

# Maharaja Institute of Technology Mysore

Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belagavi Recognized by Government of Karnataka

Ref: MITM/Principal/2022/163

Dated: 21.03.2022

# DECLARATION

The List of Courses Offered in the College across the various programs during the Assessment period 2015-16 to 2019-20 are as follows. The Institute hereby submits the error that has occurred and requests the NAAC through the DVV to accept the corrections and oblige.

S/L	Program Name	Program Code	Academic Year	No. of Courses Offered
	B.E. in Computer Science and Engineering	B.E./CSE	2019-20	68
			2018-19	64
1			2017-18	61
			2016-17	63
			2015-16	63
	B.E. in Civil Engineering	B.E./CV	2019-20	70
			2018-19	70
2			2017-18	66
			2016-17	67
			2015-16	67
	B.E. in Electronics and Communication Engineering	B.E./ECE	2019-20	63
			2018-19	63
3			2017-18	62
			2016-17	62
			2015-16	62
	B.E. in Information Science and Engineering	B.E./ISE	2019-20	63
1			2018-19	65
4			2017-18	62
			2016-17	64



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-			2015-16	64
			2019-20	73
5	B.E. in Mechanical Engineering	B.E./ME	2018-19	72
			2017-18	71
			2016-17	71
			2015-16	71
			2019-20	20
	M.Tech in Signal Processing	M.Tech/ECE	2018-19	20
5			2017-18	21
0			2016-17	22
			2015-16	
	M.Tech in Thermal Power Engineering Master of Business Administration	M.Tech/MTP MBA	2019-20	22
			2018-19	22
7			2017-18	22
			2016-17	15
			2015-16	15
			2019-20	. 32
			2018-19	32
8			2017-18	32
0			2016-17	32
			2015-16	31
	Master of Computer Applications	MCA	2019-20	45
9			2018-19	45
			2017-18	42
			2016-17	41
			2015-16	41

a > Principal

Principal Maharaja Institute of Technology Mysore Belawadi, Nagvuanahalli Post Srirangapatna Taluk Mandya District - 571477



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## Maharaja Education Trust(R), Mysuru MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE

(Approved by AICTE New Delhi, Recognized by the Govt. of Karnataka & Affiliated to VTU, Belagavi)



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Scan the QR code for video tour of the Institute

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"Destroying any nation does not require the use of atomic bombs or the use of long range- missiles... it only requires lowering the quality of education and allowing cheating in the examination by the students..." Patients die at the hands of such doctors... Buildings collapse at the hands of such engineers... Money is lost at the hands of such economists & accountants... Humanity dies at the hands of such religious scholars... Justice is lost at the hands of such religious scholars...

\*. Relson Mandela

Mandya District - 571477

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Maturoja Instituto of Technology

## MAHARAJA EDUCATION TRUST(R), MYSURU

Maharaja Education Trust(R) was established in the year 2005, not just as a venture, but to serve the society at large via educational institutions that are driven by the motivation of providing a well-balanced learning environment for educating young minds. The trust is governed by the board that comprises learned, and well-accomplished academicians of repute. The members of the board themselves, are the alumni of premier institutes who have all served at the highestpossible positions within the broad education spectrum of the country.

The Trust, built as it is by the eminent academicians, believes in building resources in the form of highly accomplished and learned faculty who are committed, highly knowledgeable, and have an aptitude for teaching The trust realizes that the effective learning process can only happen in the right environment and readily invests in upgrading facilities and infrastructure to the modern-day standards. Thrust on the widening of the knowledge spectrum of the institute as a whole lies in an individual's contribution and the trust emphasizes collaborative and far-reaching research attitude at all its institutes. The trust strives to inculcate quality in every stage of learning with all its resources progressing towards its vision.

#### FOUNDERS



Dr. Murali S President



Dr. Vasudev T Secretary



Dr. D S Guru Treasurer



01

Dr. Chethan H K Joint Secretary



Dr. Naresh Kumar BG 1 Trustee . .



Dr. Y T Krishnegowda Trustee



Dr. Ananth R Koppar Trustee

Srirangapatna Taluk Mandya District - 571477 MAHARAJA EDUCATION TRUST(R), MYSURU

## President's Message

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I am very happy that you have, chosen Maharaja Institute of Technology Mysore (MITM) to enhance your education and pursue your future career and goals. Our faculty and staff are dedicated to assisting you with your educational goals, career aspirations and your overall college experience here at MITM. We are proud to offer a learning experience in the beautiful nature enriched campus surrounded by lush green fields. I am confident that you will take advantage of the many exceptional opportunities our Institute provides more specifically, quality academics and right placements.



Our mission at MITM is simply your success. Whatever your goals may be, we are here to provide a high-quality education that supports your vision. We strive to develop relationships to make your college experience that much more meaningful and successful for you. When India is marching towards implementing National Education Policy 2020, we will be the front runners to embrace and adapt and you will experience the same.

Maharaja Education Trust (MET) considers it an honor that you will be joining soon and becoming a member of the MIT family. If I can ever be of assistance to you at MITM, please let me know.

#### Dr. Murali S President, Maharaja Education Trust(R), Mysuru

## > Secretary's Message

Maharaja Insitute of Technology Mysore is a wonderful choice for those opting for higher education. It will be a smooth journey while learning technical skills, soft skills, communication skills, and life skills. The student-friendly environment on the campus will boost your learning ability to the maximum. The institute is equipped with the state of art laboratories, classrooms, and teaching aids. Each department in the Institute has adequate mettle in terms of experienced teaching fraternity dedicating their services 24x7. The institute is unique in facilitating safe transportation covering the majority of taluks in 3 districts.



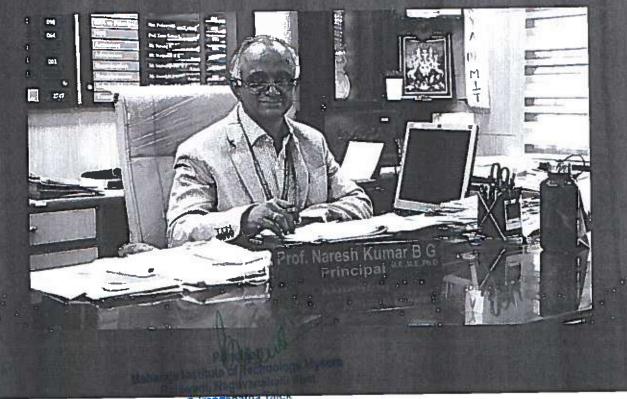
Our 15-year young institute has a notable history of placements, that assists in placing you in reputed organizations with attractive pay packages. I wish that the transformation that MIT Mysore provides you bring prosperity in both your educational growth and future career Once again I wish you the best and good luck.

Dr. Vasudev T Secretary, Maharaja Education Trust(R), Mysuru

The Institute (established in the year 2007) is approved by AICTE, New Delhi, and Government of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi, and is one of the premier institutions in the heritage city, located just about 3 km from the Bengaluru-Mysuruhighway. The Institute has garnered greater acclamation by the community as being learnercentric institute and has been producing competent professionals over the years. The young minds that pursue knowledge are facilitated with a greater sense of familiarity by a highly qualified, trained, and competent teaching fraternity that also comprises of the founder trustees being the acclaimed faculty they are. In addition to the basic essential infrastructure, the Institute is well furnished for a digital reach out in terms of online classes and the like. Safety measures installed at the institute ensure peaceful atmosphere at the campus.

## > Principal's Message

I welcome you all to the Maharaja Institute of Technology Mysore. Education in the advanced the technological world does not end with the classtoom as it is more substantial than mere acquisition of knowledge but includes inculcating skills and building professional character and enhancing the concrete potential that fosters future leaders in their chosen area. No efforts are spared to make the learning experiences of questing minds more meaningful and relevant to the socio-economic needs of the times and to empower the students with the apt skill and tools that are essential in facing challenges on societal fronts, as well as in enjoying their experience of learning. I hope that the time of your study in this Institution will prove to be the most fruitful and glorious part of your educational career.



Principal, Maharaja Institute of Technology Mysore

Dr. Nareshkumar B G

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To be recognized as a premier technical and management institution promoting extensive education fostering research, innovation, and entrepreneutial attitude.

- 1. To empower students with indispensable knowledge through dedicated teaching and collaborative learning.
- 2. To advance extensive research in science, engineering, and management disciplines.
- 3. To facilitate entrepreneurial skills through effective institute-industry collaboration and interaction with alumni.
- 4. To instill the need to uphold ethics in every aspect.
- 5. To mould holistic individuals capable of contributing to the advancement of society.

#### Core Values

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Encourage learning and leadership, Discipline, Diligence and Perseverance, Integrity with Accountability and Ethics, Social Responsibility for the furtherance of society, Cultural Affinity.

## > The Office Management

The Ministerial Section is the 'Chariot' riding comfortably on which all departments and sections in the college function conveniently to reach their goals. Headed by Prof. Aniruddha A M and diligently served by various section heads and office personnel, this vibrant section of the college has under it, accounts, establishment, transportation, hostels, examination, admission, system administration, gardening, and housekeeping wings. If the academic section is the engine of the vehicle, then the ministerial section is its wheels. The ministerial section at MIT Mysore strives hard to deliver services to the fullest level of the stakeholder's satisfaction. A well-set procedure for financial flow, thorough maintenance of establishment with unparalleled bus services covering 58 routes in and around Mysuru district, state-of-the-art management of all university examinations, smooth admission procedure, and maintenance of cleanliness by the housekeeping team, and a dedicated gardening team makes the ministerial section an integral part of the operational group at the college. Wholehearted service orientation is the hallmark of the ministerial section.



Campus Life at MITMysore - A life to remember

The very thought of a professional institute brings with it the potential of beginning a journey that lasts for a lifetime. For all of us, it is the campus experience that we treasure, including opportunities to learn and not just academics but all facets of life, through which we end up picking up lessons. We present you with an opportunity to learn and live in a serene lush green environment. MITMysore provides a tranquil environment to aid in effective learning. The eco-efficient campus, rooftop 100 MW solar power systems, rainwater harvesting systems, etc., add to the grandeur in deeper learning. The prospect of learning at MITMysore provides twin upshots of living in the heritage city as well as developing his or her vision and outlook with a broader perspective. MITMysore campus is home to a multi-cultural, multi-ethnic, learning community situated just at the very botder of Mandya and Mysuru districts, around 3kms from the ring road junction and around 7 km from the Mysore city center.

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## The Approach

Revolutionizing Education is what the institute believes in and it is evident from the expansion of the institute in all spectra that have culminated in inter-national MOUs with the likes of universities such as Alborg University, Denmark.

An MITian is personified by

- · Learning without prejudice
- Conspires to eliminate bias and inspires team-man-ship.
- Willing to adopt global and not local perception



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## Teaching Leverage

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In all the program of studies offered at the institute, High-leverage practices have been adopted. These high-leverage practices are used across subject areas, grade levels, and contexts. They are "high-leverage" not only because they matter to student learning but because they are basic to advancing skills in teaching. Also, the following are the key aspects of the institute that add to the teaching leverage.

- Excellent and committed faculty
- Counseling and guidance for improving performance
- · Placement Comprehensive training and exposure to students with placement guarantees
- · Guest lectures by seasoned experts from the corporate world and leading academic circles
- Student advisory services, club, and associations
- International student body and Alumni network
- International Collaborations and Industry Institute Interface
- Rich Library Resources
- Enriching Internships and Projects
- Scholarship for deserving students



#### DEPARTMENT OF PHYSICS

Physical Sciences are the foundation for all Engineering disciplines; therefore, a sound and application-oriented understanding of Physics is a prerequisite for studying any branch of Engineering. It is not confined to a particular discipline of Engineering, but a thread is woven through the whole technological domain. Engineering Physics provides a thorough grounding in Modern Physics, Quantum Physics, Optics, Material Science and Nanotechnology. The Department has a well-established state of art undergraduate laboratory to accommodate thirty students in a batch. In addition to the Engineering Physics course to Bachelor of Engineering (BE) students of all Engineering branches, the Department also offers the PhD program in Physics.

#### VISION

#### Empower students with the knowledge and ability to solve problems of Physics in the field of Technical Education and Research.

- 1. To provide students with strong foundation in Physics through comprehensive learning environment.
- 2. To endow knowledge through Research and Developmental activities.

MISSION

3. To inculcate value based and socially committed professionalism in students towards a holistic development of society.

#### The Team

Well learned and ever meticulously functioning faculty team that is headed by Dr. Vijaylakshmi Dayal and the teams' contribution in inculcating critical thinking in young minds has been duly acknowledged by the stakeholders and the university. The faculties of the Department are competent and specialized in the field of condensed matter physics, solid-state and nuclear physics. The Department is proud to be one of the leading research departments of the institution. To date, the Department has completed three major sponsored research projects worth Rs. 65 Lakhs and a few in process. The Advanced Research Center was established in the year 2011 and further upgraded with the financial assistance sponsored research grant from DAE-BRNS, Mumbai; UGC-DAE-CSR, Indore; SERB-DST, New Delhi and MRF-MIT Mysore. The Research Center is equipped with state-of-the-art research equipment for the growth of bulk and nano-scale oxide materials. The research lab is also equipped with lowtemperature electrical characterization facilities. The Department has a well-established collaboration with the National and International Advanced Research Institute for specific characterization. Currently, five Research Scholars are pursuing PhD, and one has been awarded a PhD degree.

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Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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MITMysore

#### DEPARTMENT OF CHEMISTRY

Chemistry is the backbone of designing and understanding the nature of various engineering materials. Many advances in engineering and technology either produce a chemical demand like polymers, chemical developments for their application in powder metallurgy and alloys, preventive methods of pollution, etc. As Chemistry is taught at the undergraduate level, the department has well-equipped laboratories that enable faculty and students to employ the fundamental principles which help create innovative new technologies. True to its vision, the department functions to not only transform young people to be capable and motivated professionals but also to contribute to the overall development of the nation through their skill, research, and academic activities.

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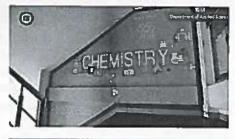
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Foster technologically relevant education in Chemistry for engineering applications to bring about excellence in research and innovation.

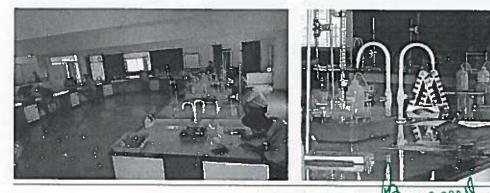
- To endow relevant knowledge in chemistry with intensive teaching and demonstration.
- 2. To disseminate greater understanding through research in chemical and related disciplines.
- 3. To facilitate awareness of the impact of chemical attributes on our environment.

#### The Team

Headed by Dr. Manju B, the well-knit department has energetic and dedicated faculty members who, apart from teaching, are actively engaged in research. The members of the department have published their research papers in National and International Journals. The research activities have taken up by the faculty in the department include areas such as Analytical Chemistry, Drug Analysis, Phytochemical investigations, Medicinal Chemistry and Nano Technology. The department extends its expertise and facilities to the local community, industries and academic institutions through services like testing and consultancy, training programs, and guest lectures, etc.







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#### DEPARTMENT OF MATHEMATICS

Engineering Mathematics is the art of applying mathematics to complex real-world problems. It combines mathematical theory, practical engineering, and scientific computing to address today's technological challenges. Developments in mathematical science and computers have led to improved modeling and understanding of situations in all areas of human activity including not only engineering, medicine, biology, ecology, environment, geology, oceanography but in economics and a variety of other social sciences. The Department of Mathematics aims to be a center of excellence in mathematics and has been enthusiastically engaged in teaching and research of high quality. The Department teaches courses on Mathematics to Undergraduate and Postgraduate students. It also hosts Ph.D. programs.



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To promote a comprehensive, innovative and dynamic learning and research environment.

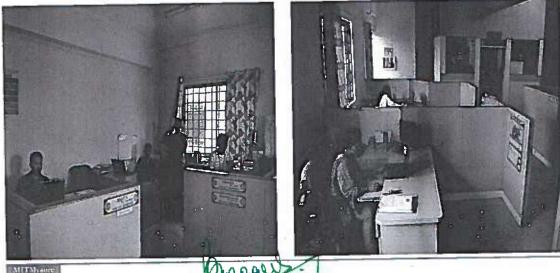
- To encourage students with reasoning ability, analytical skill, awareness of logic and instigate research culture in them.
- 2. To provide an exemplary Mathematics program that prepares students to lifelong learners and responsible citizens.

#### The Team

Headed by Dr. Srinivasa A H the highly qualified and widely acknowledged faculty bring in diligent functionality that are engrossed in delivering in-depth knowledge to students of the institute. Dr. A H Srinivasa is an expert for university's Edusat program and the team aptly follows in his footsteps. To add to its credit, the personnel of the department has published research papers in various reputed Journals in Advanced and emerging area of Mathematics like Fluid Mechanics and Graph theory.



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Maharaja Institute of Technology Mysore Belawadi, Naguvanahaili Post Srirangapatna Taluk Mandya District - 571477

DEPARTMENT OF HUMANITIES

The strong exhortation and sensible view that is inherently extant among the technical institutes is that technical education needs to be complemented by a vital appreciation of the social values and interpersonal context of all learning. The holistic and all-round development of technical graduates into socially responsible individuals is at the very core of higher education. Established in the year 2018, the department is devoted to teaching the Constitution of India, Professional Communication, Communicative English and Kannada Language to students of the B.E. Bridge Course for NRI and rural students. The faculty members engage in teachinglearning activities, research publications, and conducting workshops for students to build social skills and broaden critical and creative competencies. A large, well furnished, bright, and well ventilated Language Laboratory equipped with 60 computers, loaded with syllabus related software and AV materials are available to the students for both guided and selflearning. The department provides classroom teaching as per the syllabus. This helps in the acquisition of LSRW (Listening, Speaking, Reading and Writing) skills much needed for the corporate culture.

#### VISION

Promoting the advancement of the student community as a human resource by enhancing their abilities through quality training in communication and social service

#### MISSION

Accomplish excellence in civil/professional services through an education in the Humanities so as to fulfill the needs of the society at large

#### THETEAM

Headed by Prof. Uma Bhavani, a well learned and highly motivated personnel with passionate knowledge and expertise deliver diligent yet far reaching provess in knowledge to the students.



#### FIRST YEAR ACADEMICS

First-year academics is devoted to foster the fundamental principles and understanding of science to enhance the students' basic knowledge of Engineering. Its objective is to provide value-based education to budding scientists and engineers. Besides academics during the first year aspects such as the development of students' personality, communication, and soft skills to boost them in the modern and globally competitive environment that is also given to the students. It facilitates avenues to promote Entreprencurship among budding engineers and impart to them the concept of Corporate Social Responsibility.

Elemental Engineering Subjects: Engineering Mathematics, Physics, Chemistry, values, and fundamentals of Civil, Electrical and Electronics, Engineering Drawing, Basics of C-programming, Environmental Studies, English, and so on.

Maharaja Institus, of Technology Mysorc Belawadi, Naguvanahuli Post Srirangapatna Taluk Mandya District - 571477

#### DEPARTMENT OF CIVIL ENGINEERING

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#### B.E. in Civil Engineering / 4 years

Civil engineering is one of the core areas of the engineering world. It is fundamental for any civilization that plays a pivotal role in planning and forming infrastructural facilities for life on earth and beyond. The Bachelor Program was established in the year 2010 with an intake of 60 and subsequently increased to 120 in the year 2012, which is one of the most sought courses at the institute. The motto has been to facilitate advanced knowledge with sound fundamentals that are of paramount importance in the rapidly advancing technological world. As a result, the alumni of the department over 1000 are progressing in their career as well as contributing to the department in facilitating a better understanding of the challenges faced. Professional association with agencies such as the Institute of Engineers India (IEI), Indian Concrete Institute (ICI), Builders Association of India, Indian Geotechnical Society, etc aptly enhance the exposure for students.

To be recognized as numerouno in the field of civil engineering education, research and an imparter of enterprising skills

To facilitate technical ingenuity through proficient teaching learning processes that inspires self-learning.
 To enhance collaborative growth in research and consultancy and deliver solutions to meet the societal needs.
 To instill students with communication and professional skills to foster industry-academia interaction that propels entrepreneurial attitude.

#### Program Educational Objectives

A little while after graduating, the graduates of Civil Engineering

Mandya District - 571477

- Will exhibit professional commitment in their career as civil engineers and acquire leadership positions.
- Will pursue higher education, research and further their competencies to adapt to technological advancements.
- Will effectively put to use various technical standards to ensure safety, serviceability and economy with optimal consumption of resources.
- Will showcase wholesomeness in the field of civil engineering either under an employer or as an entrepreneur to meet the societal needs.



#### DEPARTMENT OF CIVIL ENGINEERING

#### The Team

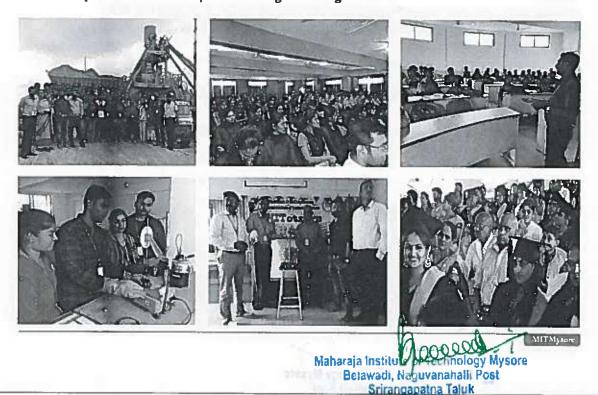
Headed by Dr. Ramakrishnegowda C and mentored by Dr. Naresh Kumar B G, the team of 30 personnel with specialization in all subdomains of civil engineering with four doctorates and eight on the verge of completion of their doctoral degree, the teaching fraternity brings in insightful knowledge to the table. the essence of wholesome knowledge, vital aspect in molding young minds are the strength of the department.

#### Distinctiveness / Accolades

- Varieties of consultancy services to various public and private organizations
- Expertise of the personnel of the department are notably being acknowledged by these agencies in areas such as soil investigation, material testing, planning, analysis, design, quality assurance, stability, and diagnosis, etc.
- Several ranks at the university exams and notable achievements in curricular and co-curricular academics
- Personnel of the department are highly acknowledged at the university and governing bodies of the county.
- Consistently empowering industry-institute collaboration

#### Career Scope

Structural Engineers | Geotechnical Engineers | Site Engineers | Construction Engineers Project Manager | Purchase and Quality Control Executive | Planning and Design Officer Building control surveyor | CAD technician | Design engineer | Estimator | Nuclear engineer Water engineer | Consulting civil engineer | Contracting civil engineer Public and private sector career | Waste management engineer

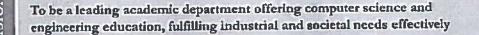


Mandya District - 571477

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.E in Computer Science and Engineering / 4 Years

M. Tech in Computer Science and Engineering / 2 Years The discipline of Computer Science and Engineering is concerned with the principles and technologies that make up the entire range of computing systems. It studies internal units and various interconnections of the microprocessor and a range of subsystems that constitutes the hardware. Started in the year 2007, department offers B.E, M.Tech, M.Sc (Engg) by research and Ph.D., programs. Department aims to create global players in the field by inculcating soft-skills as well as hard-skills in students, intending to facilitate high-quality technical education to students and has been ever improving in terms of the same year on year with alumni with nearly all pursuing a progressive career and contributing back to the institute vide involvement in improving the quality of education at the Institute. Association with agencies such as IEEE (Institute of Electrical and Electronics Engineers), IE(The Institution of Engineers(India), The Association for Computing Machinery (ACM), Computer Society of India (CSI), Programmers Clubs, etc provide greater exposure to students.



- 1. To enrich the technical knowledge of students in diversified areas of Computer Science and Engineering by adopting outcome based approaches.
- 2. To empower students to be competent professionals maintaining ethicality.
- 3. To facilitate the development of academia-industry collaboration.
- 4. To create awareness of entrepreneurship opportunities.

#### Program Educational Objectives

A little while after graduating, the graduates of Computer Science and Engineering will

- Be successful in solving engineering problems associated with computer science and engineering domains.
- Work collaboratively on multidisciplinary projects and acquire high levels of professionalism backed by ethics.
- Communicate effectively and exhibit leadership qualities, team spirit necessary for a successful career in either industry, research or entrepreneurship.
- Continue to learn and advance their career through participation in the activities of professional bodies, obtaining professional certification, pursue of higher education.





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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### The Team

Headed by Dr. Shivamurthy R C and mentored by Dr. D S Guru, the team comprises of experienced, learned professionals that are keen on learning themselves to better what they offer to the students. An Array of experienced personnel from dynamic career background, they bring in greater expertise in molding young seekers with an apt orientation to the professional mindsets in terms of what the industry desires.

#### Distinctiveness / Accolades

- · Certified courses from universities of global repute through association with course era, udemy, etc.
- · Research activities with an emphasis on local deployment particularly to ease out agriculturalists.
- Many a faculty are serving as distinguished members and chairs in prestigious organization as well as feted by various agencies.
- Many a student has garnered prizes and rewards in curricular, co-curricular, and extra-curricular events organized by various institutions and organizations.
- Department has an in-house CDC which plans and executes training programs modules like personality development, communication skills, aptitude, English language, group discussions and mock interview

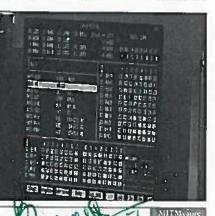
#### *Career Scope*

Software Developers | System Designer | System Analyst | Security Analysts | Database Analysts | Networking Engineers | DBA (Database Administrator) | Web Developers | Software Testing |









Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### B.E in Electronics and Communication Engineering / 4 Years M. Tech in Signal Processing / 2 Years

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Electronics and Communication Engineering deals with the art and science of carrying out communication at a distance using both wired and wireless technologies. Students learn the principles of encoding, compression, encryption, transmitting, and decoding information on digital networks. The students learn to make electronic measurements, study the characteristics of electronic networks and their maintenance under conditions of distortion and noise for greater stability and sharper control. The Bachelor program was established in the year 2007 with an intake of 60 and increased to 120 in 2009. The Master's program was established in the year 2013. The department that has consistently set a benchmark in academic performances both at the institute and amongst contemporary institutes. Alumni of the department over 1000 to date are well accepted by the industry and society alike and their testimonials are acknowledged in improving the standards set and surpass the same with the tight attitude. Association with agencies such as IEEE Robotics and Automation Society, IEEE Signal Processing Society, IEEE Circuit and Systems and The Institution of Electronics and Telecommunication Engineers (IETE) provide greater exposure to students.

To be recognized by the society at large as offering value based quality education to groom the next generation entrepreneurs, leaders and researchers in the field of electronics and communication to meet the challenges at global level.

- 1. To groom the students with strong foundations of electronics and communication engineering and to fadilitate them to pursue higher education and research.
- 2. To educate and prepare the students to be competent to face the challenges, of the industry/society and /or to become successful entrepreneuts.
- To provide ethical and value-based education by promoting activities addressing the societal needs.
- Enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities.

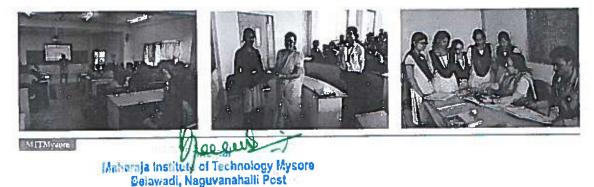
## Program Educational Objectives

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- Be able to have a successful career in dynamic industry that is global, multidisciplinary and evolving
- Solve problems, design and innovate while they work individually or in teams with sense of professional ethics and social responsibility.
- Communicate effectively and manage resources skillfully as members and leaders of the profession.



#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### The Team

The team is competent and competitive in mindset as is the nature of the stream of studies. The team currently headed by Dr. Ravichandra and mentored by Dr. Murali S, is expanding its vision in terms of repute in and around Mysuru. The aspiring students are served with the best of the knowledge and practical skill sets by learned cumulative experience of the collaborative professionals.

#### Distinctiveness / Accolades

- · Unique lab set up in collaboration with Texas Instruments.
- · Has received funding of Rs. 12.5 Lakh in 2017 from the Department of Agriculture, GoK
- The department has received startup grant of 500\$ from IEEE RAS, USA.

#### Career Scope

Scientists and Engineers | Engineering Assistants | Field Test Engineer Network Planning Engineer | Electronics and Communications Consultant Electronics Technician | Research and Development Software Engineer Service Engineer | Senior Sales Manager | Technical Director | Technical Sales and Marketing Customer Support Engineer









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#### DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

#### B.E in Information Science and Engineering / 4 Years

Information Science and Engineering is a discipline that includes theories, standards, methods, and innovations of various domains like mathematics, cognitive science, and information theory to solve complex IT problems. Information Science Engineering focuses on collecting, categorizing, strategizing, and storage information. The Bachelor program was established in the year 2007 with an intake of 60 and increased to 120 in 2012. The department has set itself a notch above the contemporaries in terms of initiatives and expanding the horizon in research and thus imparts proven expertise to students. Alumni over 800 to date are prospeting in their field of occupation and their testimonials speak of it and their inputs are well adopted in improving the quality of functioning of the department. Association with agencies such as The Computer Society of India (CSI), Indian Society of Technical Education-Student Chapter (ISTE), etc provides greater exposure to the students.

To be recognized as the best center for technical education and research in the field of information science and engineering

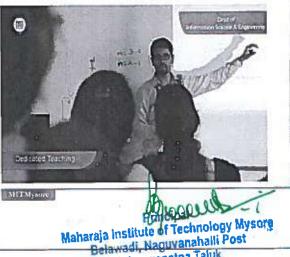
- To facilitate adequate transformation in students through a proficient teaching learning process with the guidance of mentors and all-inclusive professional activities.
- 2. To infuse students with professional, ethical and leadership attributes through industry collaboration and alumni affiliation
- To enhance research and entrepreneurship in associated domains and to facilitate real time problem solving

#### Program Educational Objectives

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- Proficiency in being an IT professional, capable of providing genuine solutions to information science problems.
- Capable of using basic concepts and skills of science and IT disciplines to pursue greater competencies through higher education.
- Exhibit relevant professional skills and learned involvement to match the requirements of technological trends.



Srirangapatna Taluk Mandya District - 571477



#### DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

#### The Team

Highly qualified, trained, and energetic personnel, that have proven their metal in reaching out to students in a very constructive manner, are headed by Dr. Sharath Kumar Y H and mentored by Dr. Murali S. The team is steadily progressing in terms of research repute whilst always rendering bettering academic progress year on year.

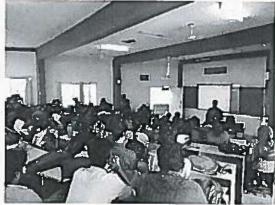
#### Distinctiveness / Accolades

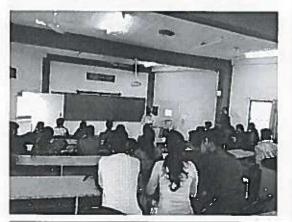
- Personnel of the department are highly acknowledged at the university and governing bodies of the county.
- · Has received funding of Rs. 12.5 Lakh in 2017 from the Department of Agriculture, GoK.
- Personnel of the department acknowledged as Chairs of High Profile conferences and appointed as Reviewer / Editorial Board Members in various International Journals.

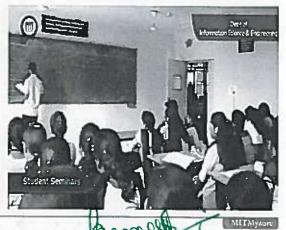
#### Career Scope

Software Engineer |Software Tester |IT manager |Data Miner | IT Maintenance Engineer Application developer |Web designer |System Analyst | Networking Engineers | DBA (Database Administrator) | Web Developers | Software Testing | Database Analysts | Security Analysts









Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

#### DEPARTMENT OF MECHANICAL ENGINEERING

#### B.E in Mechanical Engineering / 4 Years M. Tech in Thermal Power Engineering / 2 Years

Mechanical Engineering came into prominence at the turn of the industrial revolution with the steam engine and the spinning mills of England. The word 'Engineering comes from the word 'Engine,' which comes from Thermodynamics, a fundamental discipline in the field. The Bachelor program was established in the year 2007 with an intake of 60 and increased to 120 in 2008. The Master's Program was established in the year 2012. The alumni of over 1000 to date have spread out all over the world and the progressing in their career with learning attitude that has been a legacy of the department over the years to instill such quality into its students. Association with agencies such as The Quality Circle Forum of India- Student Chapter (QCFI), Indian Society of Heating, Refrigeration and Air Conditioning Engineering – Student Chapter (ISHRAE), etc provide greater exposure to the students.

To excel in technical education by producing Mechanical Engineers who are competitive, contributing and sustainable in the global socio-technological front

- To enrich teaching learning experience through distinguished practices and ever improving infrastructure.
   To enhance student performance through constant guidance, motivation and mentoring.
   To develop distinct skills, leadership qualities and creative thinking among the learners
  - through sensible endeavors.

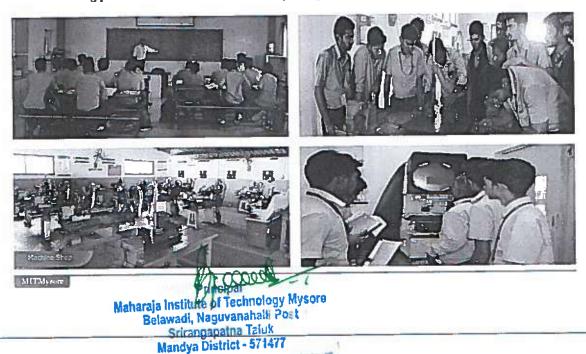
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#### Program Educational Objectives

Mechanical Engineering graduates will be able to,

- Pursue their professional career in core and allied domains.
- Continuously upgrade their professional skills through higher education and/or other learning programs.
- Exhibit strong professional and social ethics, and participation in interdisciplinary ventures



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#### DEPARTMENT OF MECHANICAL ENGINEERING

#### The Team

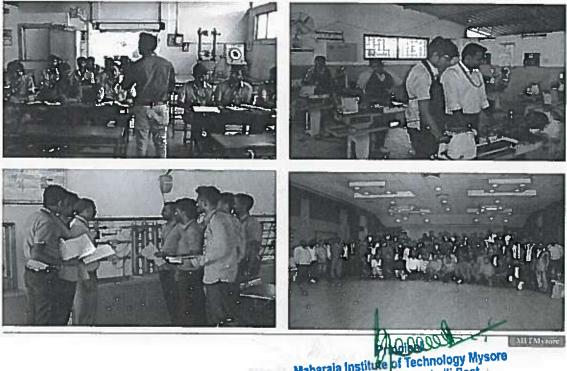
Well learned and experienced personnel from varying societal background and ethnicity bring a vibrant dynamism into the department, led by Dr. Mohamed Khaisar and mentored by Dr. Y T Krishnegowda. Ventures are more in their spectrum and the team plays pivotal roles in encrypting end-to-end leaving no stone unturned to better its overall functioning. Personnel of the department has been acknowledged as resource persons and experts in various fields of study as well as publications in high profile conferences have been acknowledged as best papers.

#### Distinctiveness / Accolades

- · Over 100 value-added vocational certified programs organized till date, several FDPs, workshops, etc.
- NASA Systems Engineering Award
- · Center of Excellence in Mechatronics Training and Engineering Research
- Only Institution in the country to have QCFI Student Chapter
- Personnel of the department acknowledged as Chairs of High Profile conferences and appointed as Reviewer / Editorial Board Members in various International Journals
- Personnel of the department having bestowed with various awards such as 'Shishyaru Mechidha Guru', 'Guru Bhushana' etc by various NGO's.

#### Career Scope

Automobile Industries | Aerospace Industries | Steel Plants | Computer Industries Product Design Engineers | Research and Development (R&D) engineers Production Engineers | Testing and Analyst Engineers | Installation Engineers Maintenance Engineers | Project Engineer | Manufacturing Engineer | Development Engineer



Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

#### DEPARTMENT OF MANAGEMENT SCIENCES



#### Master of Business Administration / 2 Years

A Master of Business Administration is a Master's program that provides theoretical and practical training for business or investment management. MBA is designed to help graduates gain a better understanding of general business management functions. The MBA degree can have a general focus or a specific focus in fields such as accounting, finance, or marketing, including relationship managers. The Department of Management Sciences at MIT Mysore was established in the year 2009 with an intake of 60 and subsequently increased to 120 in the year 2012. With over 1000 alumni to date, the department has consistently been able to provide high performance management graduates through its ever-improving knowledge think tank. The department is arranging some skill development programs throughout the year – English communication training, personality development training, and internship programs during semester vacations.

To contribute the nation with disciplined, responsible, professional and skilled management graduates.

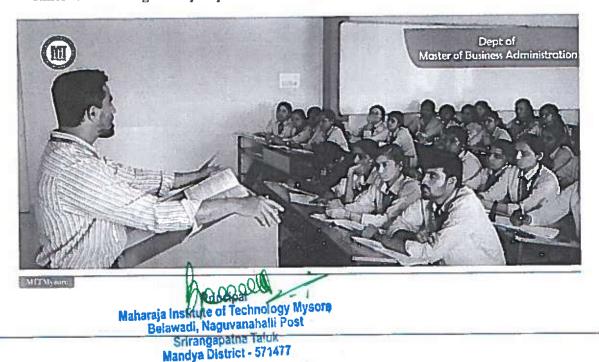
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**ISION** 

Provide excellent management education for rural and urban students, empowering them with the capability to become valuable citizens contributing continuously to global business management.

#### Program Educational Objectives

- Students will be able to contribute creatively, critically and collaboratively and making them employable/entrepreneurs.
- Students will be equipped with managerial and soft skills to plan and achieve in global changing environment.
- Students will be able to implement strategic ideas and societal values at highest professional ethics and behaving socially responsible leaders.



#### The Team

The very energetic and highly qualified faculty that bring greater diligence to its functionality, is led by Dr. Shyam B R and mentored by Dr. Y T Krishnegowda. The motto of the team has been to collaborate and contribute to better the cause and in the same hindsight several initiatives and value added programs are organized by the team year-on-year.

DEPARTMENT OF MANAGEMENT SCIENCES

#### Distinctiveness / Accolades

- Golden Girl- VTU 6th Rank.
- NSS Best Volunteer State Award by VTU.
- · BoS, BoE, Doctoral Committee- Domain Experts under VTU and other Universities.
- Research Supervisors with garnered accolades.

• Dr. Manoj Kumara N V has garnered accolades from various organizations such as Excellent Teacher Icon Award, Outstanding Teaching Award, International Award, Young Researcher Award, Exemplary Teacher Award, Dr. Radhakrishnan Award, etc.

- · MITM MBA Parivaar has the highest ratio of Doctorate among the total No. of faculty.
- Dr. Shyam B R has authored 9 book that are prescribed in various universities.

#### Career Scope

Business Analysts |Account Manager | Marketing Manager | Project Manager | Human Resources (HR) Manager | Management Consultant | IT Services Marketing Head | Chief Technology Officer Computer and Information Systems Manager | Financial Manager | Health Services Manager IT Manager | Financial Advisor



## DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

## Master of Computer Applications / 2 Years

The course structure carefully includes the practical aspects of computer science in the form of courses based on OOP's Technologies (C++/JAVA/.NET), Adv Web Technologies, Mobile Applications, Software Testing, and Python. At the same time, it includes theoretical aspects of computer science in the form of courses based on ERP, Data Mining-Warehousing, Big data, Data Analytics, Artificial Intelligence, Machine Learning, Cloud Computing, Image Processing, Computer Networks and System Simulations etc. The department was established in the year 2008 with an intake of 60. The main objective of the department of imparting knowledge and train the students to make them competent, motivated software professionals and technocrats. The department not only supports freedom of thought while improving the creativity of the students, but also encourages growth, and cultivates human values and concern for the environment and society.

To be the premier source that provides a transformative education to create computer professionals, competent entrepreneurs & technocrats to meet the global challenges.

 To facilitate students to nurture skills to practice their professions competently to meet the over-changing needs of society & environment
 To develop the potential of human resources with new ideas, research to meet the requirements of cutting edge technology

## Program Educational Objectives

ISION

- Graduates are prepared to be employed in IT industries and be engaged in learning, understanding, and applying new ideas.
- Graduates are prepared to be employed in academics and research environment.
- To provide an opportunity to students to learn the latest trends in computer technology and make them ready for life-long learning process with leadership skills and corporate social responsibilities.





Maharaja Institute of Technology Mysore Belawadi, Naguvanahaili Post Srirangapatna Taluk Mandya District - 571477

#### DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

#### The Team

We believe that the approach to teaching-learning, coupled with practical experience gained during Industrial training in reputed organizations, equips our students to handle the challenges posed by the IT Industry. Energetic and well qualified professionals are taking care of the students in all aspects under the leadership of Prof. Manjunath B and mentored by Dr. T Vasudev. It is evident that every year growth of our students show the efforts put in by the team.

#### Distinctiveness / Accolades

• Department students have participated at various state level and district level technical events and also have won priszes, got scholarships/ internships.

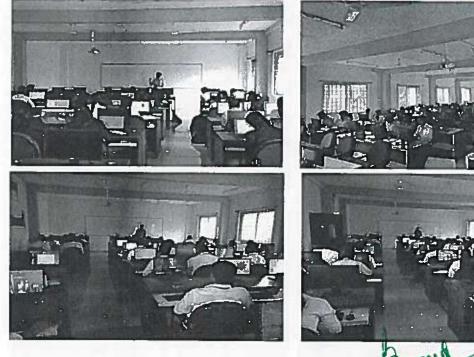
• Students have secured ranks at VTU and made our department stand top in Mysore region MCA colleges. 5th rank in the year 2015-16, 9th rank in the year 2018-19, 3rd, 7th and 8th rank together in the year 2019-20.

• Dr. T Vasudev, has been the Chairman of Board of Studies and Governing Council Member of the reputed Institutions / universities.

• Faculty were invited to assess and improve the teaching and learning process in the department of Computer Science at Huanghai University, China.

Career Scope

Entrepreneur | Free Lancer | Full Stack Developer | Software Developer | Software Tester System Administrator | Technical Writers | Computer System Analyst | Database Administrator Software Publisher | Software Application Architect | Software Consultant | Web Developer Mobile Application Developer | Teaching Profession



Maharaja Institute of Technology Mysora Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District • 571477

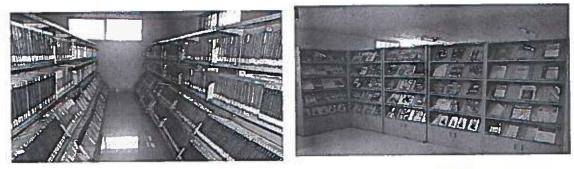
#### LIBRARY AND INFORMATION CENTER

The primary aim of the library is to support the curriculum needs of students, teaching staff, and support staff of the institution through the development of relevant collections. Ably headed by Prof. Ashoka R and served by a diligent team, the provision of services designed to meet the user information and learning need such as Lending Service, Digital Library Service (Online Services), Multimedia and Periodical services in 780 square meters of space located in the cellar. Library follows the open access system, encouraging the user to browse resources freely in the knowledge center. The library is a member of the VTU Consortium and it has access to plenty of e-resources under the consortium.

#### Key Features

- · Book Bank Books: Issuing a set of books to each student to keep themselves for a semester.
- · General reading room: where students can bring their personal books to study
- Digital Library Service: Unlimited internet browsing and downloading facility along with e-resources (lecture videos / e-journals / e-books / e-question papers / e-notes/ e-project reports / etc.)
- \* Multimedia Centre: Equipped with IT infrastructure for teaching-learning process.









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MITMysore

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477 DEPARTMENT OF TRAINING AND PLACEMENT

The department is headed by Mr. Shiva Sagar S D and a team of faculty coordinators. MIT Mysore has an exclusive in-house soft skills training program for our students, imparted by experts in the field. These courses help students develop competencies and capabilities. It helps them to develop interpersonally, communication, team building, and leadership skills for greater productivity and performance and above all 'employability'. The course the structure is progressive and would see a rise in level as each semester progresses. This has been done keeping in mind their present requirement and making them ready for a scenario four years down the line. The corporate world is a stage and all of us are performers. Thus, arises the need of building an exquisite personality and ability to make lasting impressions through perfect conduct. The soft skills training sessions would cover everything that would enable a student to stand out in a crowd of career builders. Some of the training sessions include Career Guidance, Corporate training, and Niche Skills training, webinars and Recruiter and alumni talk.

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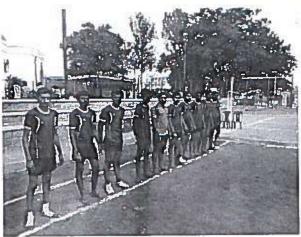


Through all the training that is provided to the students, the department through its vast array of corporate network, as per the schedule companies are invited to conduct recruitment drives through corporate internships, recruitment corner logos, and students are given ample opportunities to pocket their career launch.

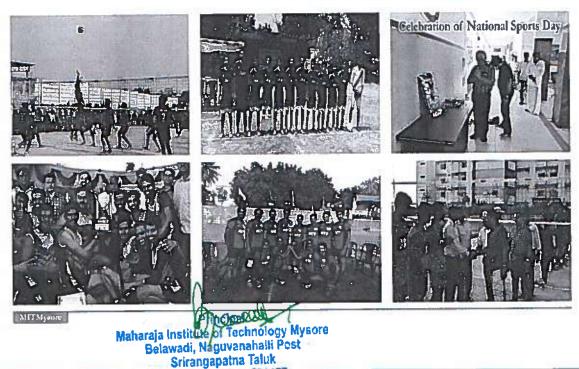
Year	Total No. o	of Final Ye	ar Eligil	ole Students	Total Offers
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2019-20		57	3	0	418
			Maharaja Bela	Institute of Techno wadi, Naguvanaha Srirangapatna Tal landya District - 57	NITM Togy Mysore Illi Post uk 1477

#### DEPARTMENT OF PHYSICAL EDUCATION

Physical education is an integral part of young people's education. Physical Education Department at MIT Mysore, led by Mr. Dhanya Sundar H, provides an opportunity for all students to involve themselves in physical activity. The purpose and focus of PED at MITM is to identify skills and hidden talents among the students and motivate to excel themselves in the field of Physical education. Students can experience success in different ways in physical education. For some, the pursuit of excellence and the achievement of sporting goals will be the focus. College provides indoor and outdoor sports facilities for training the students and encourages them to participate in the University, district, and state level competitions. The institute has a playground area of 265x165 sq.m, that houses badminton courts, one basketball court, facilities for table tennis and other indoor games like carom and chess, a modern multi gymnasium and a separate fitness center for athletes. The institution has an athletic track of 400 meters, facility for all kinds of throws and a pavilion.







Mandya District - 57 1471

## NATIONAL SERVICE SCHEME AND YOUTH RED CROSS

The NSS unit of the institute is actively engaged right through the year in conducting awareness programs on several issues of social and environmental relevance with the Program Officer, Prof. Kiran Kumar L acknowledged for the same at the university level. It conducts blood donation camps and free eye camps for the benefit of the local community. The unit also attempts to create awareness of environmental conservation through an annual sapling planting program. In the year 2018-19, the awards for NSS namely 'Best Unit', 'Best Program Officer' and 'Best Volunteer' have been conferred by the university.

2S





#### Transportation

The Institute offers a commutation facility for all students and staff of the institute. It's compulsory for all the students to come by bus provided by MIT Mysore. The institute provides transportation facilities from every nook and corner of Mysuru city, Mandya, and suburban such as K R Nagar, Hunsur, H D Kote, Najungud, T Narasipura, Kollegal, Malavalli, Bannur, Bharathinagar (K M Doddi), Maddur, Pandavapura, KRS, K R Pet, Chamaraja Nagar, etc.

> Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

MITMysore

#### SUPPORT SYSTEMS

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To maintain and enhance the quality of life at the institute for students and staff, various support systems are effectively functioning at the institute. The said systems are bound by the policies that are declared fit to follow and are governed by the committees that oversee their functioning. The cells are Grievance Redressal Cell, Anti-Sexual Harassment Cell, Anti-Ragging Cell, SCST and OBC welfare Cell, Swachh Bharat Mission Cell, Training & Placement Cell, Student Counselling and Mentoring Cell, Sports Committee and Cultural Committee.

## Winning Formula -student Mentoring

- Once admitted student is termed a mentee supervised from day one by a teacher.
- Personalized guidance in matters related to academic, career, and personal aspects.
- Wholesome responsibility of the student's progress and facilitating no-slip ups is an assurance.
- Mentors are accessible to students and parents alike for meaningful and trustworthy communication.

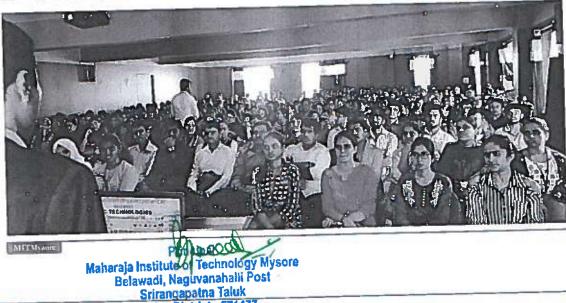
#### Fee Concession - By the Institute

- 10% concession in tuition fee under management/comed-K quota for the children of school teachers.
- I year tuition fee waiver for one student in each branch who has secured more than 95% in PCM in PUC.
- 50% waiver of tuition fee for 1 student/branch that scores more than 85% and stands first in his/her branch.
- Total tuition fees waiver for students with CET Rank below 1000.
- 2-year tuition fees waiver for students with CET Rank between 1001 and 5000.
- 1-year tuition fees waiver for students with CET Rank between 5001 and 10000.

Mandya District - 571477

All schemes and facilities provided by the Government Agencies.







#### Hostel Facility

30

The Hostel facility at MIT Mysore, separate for girls and boys, is very unique- thanks to the lush greenery surrounding it and the spacious corridors leading to the rooms. The three sharing rooms have 3 cots, 3 study tables, 3 cupboards and 3 ward-robes. Fitted with energy efficient solar water heaters, the common rooms have uninterrupted hot water supply. The students are also provided with uninterrupted power supply and a backup to it in the form of UPS. A secure internet facility and wi-fi is made available. MIT's affordable hostels have 24x7 security and students have to give bio-metric attendance while entering and leaving the hostel premises. An unmatched kitchen unit is set up inside the hostel itself and a professional cooking team prepares 4-course vegetarian delicacies. The discipline of the students in the hostel is of primary importance to the institution and hence has a warden and a caretaker appointed to monitor the same. A common lobby and television facility will help the students relax during their free time. The moderately equipped gym and a spacious in-campus sports ground will motivate the students to be fitness conscious and creates a healthy environment. Ambulance services are also available, in case of an emergency, to shuttle to the nearest multi speciality hospital.



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7. Bommur Agrahara B. Kalatibayardi Y. Nagatishalil Gate (thijidiallogapurs TLK. R. Mill Route No. 19 1. K. R. Nogata 2. fillikere 3. Havala 4. Belawadi, Humania Roed Rupte No. 50 Infilted Statester 1. Manuscent A. 2. Banalicu ppe Insure NO. 51 1. Ambedker Cittle Nanjanagedu 2. Gart, Bee Stand 2. Hoffshall Citcle 4. BOO Office 5. Fice Bridgede 7. Tandarapara Boogton Not 52 - urháge Renato N.R. 52 1. Sharedh Vikas Schand, Manjanagudu D. Geverannana Rialli 3. Police station 4. Kodskala Bus Stop 5. Ar M. C., Bandigrafya 6. Gardiaran Napata Askama 6. Vidyaportha Clecis 9. J.Z. Wodayat Clecis (a - Gate) Tadygane Sub Urbon Bas Stand 1. Strate Napata Houte No. 53 1. T. Natadputa Bu 2. Triveni Sangama 1 Route No. 54 Kollegalə Untamballi Gate Chilakowadi Mugura Kurobut 5. Rurobút 6. Geograhwsei 7. Duddagere 8. Koslanopura 9. Koslanopura 19. Vooima 19. Coliskalli 19. Nadano Halli Tem 1, H. D. Kote Hampspars J. Hampspars M. Dibur Gale A. Parsasyana Hondi B. Nada Bahma Stopy, Mysarr G. Najuralige Circle T. Stolasppa Squate Hentor, S. S Hadarelli J. Uppena Halli J. Dunda Gawdana Soppalu J. Castle watana Soppalu Danihe Gowinska Ganthemala Mirogavalu Bannur Mellahalti Clecke Navkla School, Ban Vidya Vikas Colleg 2 e Baad Route No. 57 mate, br Bannura Bas Stand Bannura Circle Ranga Samudra Cata Made Coudans Handi Gata Chennall -3454 5. Made Gaustana Handi G 4. Chennahl – Biders Hallfilandi Gate 7. Mella Hall Gate IATME 6. Bhugata Hall Cruss 9. Hardrya 10.Sategati Depol fancilon 13.Ring Road Roste No. 58 1. Chamaraja Naga

## **Route Wise List of Bus Stops**



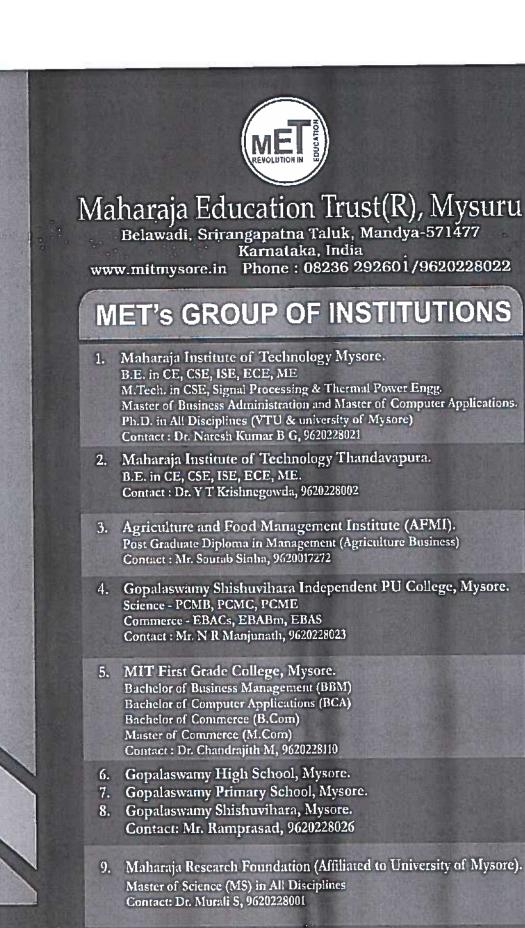
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Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Tali k Mandya District - 5/1477

Roote No. 55





10. Maharaja Education Academy (Sankalpa) Contact : Mr. Akshay Rao, 9743802098

Mandya District - 571477



7th Floor, Chandralok Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

### F.No. South-West/1-2456048771/2015/EOA

Date: 07-Apr-2015

To, The Principal Secretary (Hr. & Tech Education) Govt. of Karnataka, K. G.S., 6th Floor, M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road, Bangalore-560001

### Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

### Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-West	Application Id	1-2456048771
		Permanent Id	1-4391794
Name of the Institute	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE	Institute Address	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE, MANDYA, Kamataka, 571438
Name of the Society/Trust	MAHARAJ EDUCATION TRUST	Society/Trust Address	12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE,MYSORE,MYSORE,Karnataka,560001
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Application Number: 1-2456048771\*

Treers Princip

Note: This is a Computer generated Letter of Approval. No signeture is reputer titute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

Page 1 of 4

Letter Printed On:6 May 2015



7th Floor, Chandralok Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2456048771		Course			4-15	roved for	val status	PIO Approval status	Foreign Collaboration Approval status	
Program	Shift	Level		Full/Part Time		Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Appro	Foreign Collabo Approval status
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Vesveswaralah Technological University, Belgaum	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUA TE	SIGNAL PROCESSING	FULL TIME	Vesveswaraiah Technological University, Belgaum	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUA TE	THERMAL ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	CIVIL ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Vesveswaralah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	INFORMATION TECHNOLOGY AND ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUA TE	MECHANICAL ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
	1						-	-	1	

Application Number: 1-2456048771\*

Note: This is a Computer generated Letter of Approval.No signature is required.

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Page 2 of 4

Letter Printed On:6 May 2015

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



7th Floor, Chandralok Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2456048771		Course	e	Affiliating Body	L15	Approved for	ral status	ral status	Foreign Collaboration Approval status	
Program	Shift	Level		Full/Part Time		Intake 2014-15	Intake Appr 15-16	NRI Approval status	PiO Approval status	Foreign Collabo Approval status
MANAGEMEN T	1st Shift	POST GRADUA TE	BUSINESS ADMINISTRATION	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
MCA	1st Shift	POST GRADUA TE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Vesveswaralah Technological University, Belgaum	120	120	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

> Dr. Avinash S Pant Actg Chairman, AICTE

Copy to:

The Regional Officer, 1. All India Council for Technical Education Health Centre Building

Application Number: 1-2456048771\*

ncipal

Srirangapatna Taluk Mandya District - 571477

Belawadi, Naguvanahalli Postetter Printed On:6 May 2015

Page 3 of 4

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Bangalore University Campus Bangalore - 560 009, Karnataka

2. The Director Of Technical Education, Karnataka

3. The Registrar, Vesveswaraiah Technological University, Belgaum

- 4. The Principal / Director, MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE,MANDYA, Karnataka,571438
- The Secretary / Chairman, MAHARAJ EDUCATION TRUST 12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE, MYSORE, MYSORE, Karnataka,560001
- 6. Guard File(AICTE)

Application Number: 1-2456048771\*

Note: This is a Computer generated Letter of Approval.No signature is required.

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PU Maharaja Institute di Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

Page 4 of 4

Letter Printed On:6 May 2015



7th Floor, Chandralok Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

### F.No. South-West/1-2812263583/2016/EOA

Date: 10-Apr-2016

To.

The Principal Secretary (Hr. & Tech Education) Govt. of Karnataka, K. G.S., 6th Floor, M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road, Bangalore-560001

### Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-West	Application Id	1-2812263583
Name of the Institute	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE	Permanent Id	1-4391794
Name of the Society/Trust	MAHARAJ EDUCATION TRUST	Institute Address	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE, MANDYA, Karnataka, 571438
Institute Type	Unaided - Private	Society/Trust Address	12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE,MYSORE,MYSORE,Kamataka,560001

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2812263583	Course	Affiliating Body		and the second second	D
Program Shift Level		FullPart Time	Intake 2015-16 Intake Approved for 2016-17	Approval : / FN / Gult	Approval status Foreign Collaboration/Twinin Program Approval status

Application Number: 1-2812263583 Note: This is a Computer generated Report.No signature is required.

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unter? Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post

Srirangapatna Taluk Mandya District - 571477



7th Floor, Chandralok Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	SIGNAL PROCESSING	FULL TIME	Vesveswaraiah Technological University, Belgaum	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	THERMAL ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	CIVIL ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRONICS & COMMUNICATI ON ENGG	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	INFORMATION TECHNOLOGY AND ENGINEERING	FULL TIME	Vesveswaralah Technological University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	MECHANICAL ENGINEERING	FULL TIME	Vesveswaralah Technological University, Belgaum	120	120	NA	NA	NA
MANAGEME NT	1st Shift	POS T GRA DUA TE	BUSINESS ADMINISTRATI ON	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA
MCA	1st Shift	POS T GRA DUA TE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Vesveswaraiah Technological University, Belgaum	120	120	NA	NA	NA

Application Number: 1-2812263583 Note: This is a Computer generated Report.No signature is required.

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Maharaja Institute of Technology MySQUE Printed On:30 April 2016 Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



7th Floor, Chandralok Building, Janpath, New Delhi- 110 001 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

The above mentioned approval is subject to the condition that MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant Vice - Chairman, AICTE

Copy to:

- The Regional Officer, All India Council for Technical Education Health Centre Building Bangalore University Campus Bangalore - 560 009, Karnataka
- 2. The Director Of Technical Education, Karnataka
- The Registrar, Vesveswaraiah Technological University, Belgaum
- 4. The Principal / Director, MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE,MANDYA, Karnataka,571438
- The Secretary / Chairman, MAHARAJ EDUCATION TRUST 12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE, MYSORE, Karnataka,560001
- 6. Guard File(AICTE)

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Application Number: 1-2812263583 Note: This is a Computer generated Report.No signature is required.

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Principal Page 3 of 3 Maharaja Institute of Technology Littes Brieted On:30 April 2016 Belawadi, Naguvanahalli Post

Srirangapatna Taluk Mandya District - 571477



(A Statutory body under Ministry of HRD, Govt. of India)

Date: 30-Mar-2017

Nelson Mandela MargVasant Kunj, New Delhi-110067 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. South-West/1-3327469131/2017/EOA

To,

The Principal Secretary (Hr. & Tech Education) Govt. of Karnataka, K. G.S., 6th Floor, M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road, Bangalore-560001

Sub: Extension of approval for the academic year 2017-18

Ref: Application of the Institution for Extension of approval for the academic year 2017-18

### Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-4391794	Application Id	1-3327469131
Name of the Institute	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE	Institute Address	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE, MANDYA, Karnataka, 571438
Name of the Society/Trust	MAHARAJ EDUCATION TRUST	Society/Trust Address	12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE,MYSORE,MYSORE,Karnataka,560001
Institute Type	Unaided - Private	Region	South-West

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable
Opted for Conversion from degree to diploma	No	Opted for Conversion from diploma to degree	No	Conversion (degree to diploma or vice-a- versa) Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2017-18

Application Id:	1-3327469	9131 -	Course	<u></u>	Affiliating Body	oved for	oved for	al status	f quola/	on/Twining pproval
Program	Shift	Level		H TH		Appro 7	Appre	pprov	/ Gu	n Ap
	and the second	- Alegori		Full/Pa		Intake /	Intake	NRI Ap	O / FN CV pproval	Collabo Collabo

Application Number: 1-3327469131 Note: This is a Computer generated Report.No signature is required.

Allegeus Maharaja Institute of Technology Mysore Page 1 of 4 Belawadi, Naguvanahalli Poster Printed On:25 April 2017 Srirangapatna Taluk

Mandya District - 571477



(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela MargVasant Kunj, New Delhi-110067 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Engineerin g and technolo gy	1st Shift	POS T GRA DUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Visvesvaraya Technologic al University, Belgaum	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	SIGNAL PROCESSING	FULL TIME	Visvesvaraya Technologic al University, Belgaum	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	THERMAL ENGINEERING	FULL TIME	Visvesvaraya Technologic al University, Belgaum	18	18	NA	NA	NA
Engineerin g and technolo gy	1st Shift	UND ER GRA DUA TE	CIVIL ENGINEERING	FULL TIME	Visvesvaraya Technologic al University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Visvesvaraya Technologic al University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRONICS & COMMUNICATI ON ENGG	FULL TIME	Visvesvaraya Technologic al University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	INFORMATION TECHNOLOGY AND ENGINEERING	FULL TIME	Visvesvaraya Technologic al University, Belgaum	120	120	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	MECHANICAL ENGINEERING	FULL TIME	Visvesvaraya Technologic al University, Belgaum	120	120	NA	NA	NA
MANAGEME NT	1st Shift	POS T GRA DUA TE	BUSINESS ADMINISTRATI ON	FULL TIME	Visvesvaraya Technologic al University, Belgaum	120	120	NA	NA	NA
MCA	1st Shift	POS T GRA DUA TE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Visvesvaraya Technologic al University, Belgaum	120	120	NA	NA	NA

Application Number: 1-3327469131 Note: This is a Computer generated Report.No signature is required.

Prin Maharaja Institute of Principation Page 2 of 4 Belawadi, Naguvanahalli Potetter Printed On:25 April 2017 Srirangapatna Taluk Mandya District - 571477



(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela MargVasant Kunj, New Delhi-110067 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

The above mentioned approval is subject to the condition that

MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE

shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Prof. A.P Mittal Member Secretary, AICTE

Page 3 of 4

Copy to:

1.

The Regional Officer, All India Council for Technical Education Health Centre Building Bangalore University Campus Bangalore - 560 009, Karnataka

- 2. The Director Of Technical Education\*\*, Karnataka
- The Registrar\*\*, 3. Visvesvaraya Technological University, Belgaum

4. The Principal / Director, MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE, MANDYA, Karnataka,571438

The Secretary / Chairman, 5. MAHARAJ EDUCATION TRUST 12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE, MYSORE, MYSORE, Karnataka,560001

Guard File(AICTE) 6.

Note: \*\* - Approval letter copy will not be communicated through post/email. However, provision is made in the portal for downloading Approval letter through Authorized login credentials allotted to concerned DTE/Registrar.

Application Number: 1-3327469131 Note: This is a Computer generated Report.No signature is required.

Maharaja Institute/of Technology MySore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela MargVasant Kunj, New Delhi-110067 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Maharaja Instituta di Pechnology Mysore Belawadi, Naguvanahalli Post d. Srirangapatna Taluk Mandya District - 571477 Lette

Page 4 of 4 Letter Printed On:25 April 2017

Application Number: 1-3327469131 Note: This is a Computer generated Report.No signature is required.

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

### **APPROVAL PROCESS 2018-19**

Extension of Approval (EoA)

F.No. South-West/1-3514925814/2018/EOA

To,

The Principal Secretary (Hr. & Tech Education) Govt. of Karnataka, K. G.S., 6th Floor, M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road, Bangalore-560001

### Sub: Extension of Approval for the Academic Year 2018-19

Ref: Application of the Institution for Extension of approval for the Academic Year 2018-19

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2016 notified by the Council vide notification number F.No.AB/AICTE/REG/2016 dated 30/11/2016 and amended on December 5, 2017 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-4391794	Application Id	1-3514925814
Name of the Institute	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE	Name of the Society/Trust	MAHARAJ EDUCATION TRUST
Institute Address	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE, MANDYA, Karnataka, 571438	Society/Trust Address	12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE,MYSORE,MYSORE,Karna taka,560001
Institute Type	Unaided - Private	Region	South-West

Opted for Change from Women to Co-Ed and vice versa	No	Change from Women to Co-Ed and vice versa Approved or Not	NA
Opted for Change of Name	No	Change of Name Approved or Not	NA
Opted for Change of Site	No	Change of Site Approved or Not	NA
Opted for Conversion from Degree to Diploma or vice versa	No	Conversion for Degree to Diploma or vice versa Approved or Not	NA
Opted for Organization Name Change	No	Change of Organization Name Approved or Not	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2018-19

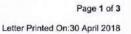
Program	Shift	Level	Course	FT/PT+	Affiliating Body (Univ/Body)	Intake Approved for 2018-19		PIO / FN / Gulf quotal OCI/ Approval Status	Foreign Collaboration (Twining Program Approval Status*	
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	COMPUTER SCIENCE & ENGINEERING	FT	Visvesvaraya Technologic al University, Belgaum	120	NA	NA	NA	
ENGINEERING AND	1st	UNDER GRADUATE	INFORMATION TECHNOLOGY	FT	Visvesvaraya Technologic al University, Belgaum	120	NA	NA	NA	

Application No:1-3514925814

Note: This is a Computer generated Report. No signature is required. Printed By : ae345311

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk

Mandva District - 571477



Date: 04-Apr-2018

TECHNOLOGY			AND				-		
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	MECHANICAL ENGINEERING	FT	Visvesvaraya Technologic al University, Belgaum	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FT	Visvesvaraya Technologic al University, Belgaum	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUATE	CIVIL ENGINEERING	FT	Visvesvaraya Technologic al University, Belgaum	120	NA	NA	NA
MCA	1st	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FT	Visvesvaraya Technologic al University, Belgaum	120	NA	NA	NA
MANAGEMEN T	1st	POST	BUSINESS ADMINISTRATION	FT	Visvesvaraya Technologic al University, Belgaum	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FT	Visvesvaraya Technologic al University, Belgaum	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUATE	THERMAL	FT	Visvesvaraya Technologic al University, Belgaum	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUATE	SIGNAL PROCESSING	FT	Visvesvaraya Technologic al University, Belgaum	18	NA	NA	NA

+FT -Full Time,PT-Part Time

Deficiencies Noted based on Self Disclosure	
Particulars	Deficiency
Other Details Deficiency	
List of faculty and data uploaded on the Institute web portal	Yes
Other Facilities Deficiency	
Appointment of Student Counsellor	Yes
Compliance of the National Academic Depository(NAD) as per MHRD Directives	Yes
Provision to watch MOOCS Courses through Swayam	Yes
Computational Facilities	
Internet Bandwidth-Applied Intake	Yes
Library Facilities	
Instructional Area Common Facilities	
Computer Center	Yes
Language Laboratory	Yes

\*Please refer Deficiency Report for details

MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE is hereby informed to submit the compliance of the deficiencies mentioned above to the Regional Office within a period of 6 months from the date of issuance of this letter failing which the council shall initiate strict action as defined in Approval Process Handbook 2018-19 during the subsequent Academic Year.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Recent

Prof. A.P Mittal Member Secretary, AICTE

Copy to:

Application No:1-3514925814 Note: This is a Computer generated Report. No signature is required. Printed By : ae345311 Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

Page 2 of 3 Letter Printed On:30 April 2018

- The Regional Officer, All India Council for Technical Education Health Centre Building Bangalore University Campus Bangalore - 560 009, Karnataka
- The Director Of Technical Education\*\*, Karnataka
- The Registrar\*\*, Visvesvaraya Technological University, Belgaum
- 4. The Principal / Director, MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE,MANDYA, Karnataka,571438
- The Secretary / Chairman, MAHARAJ EDUCATION TRUST 12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE, MYSORE, MYSORE, Karnataka,560001
- 6. Guard File(AICTE)

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

\*\* Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

Algent

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

Page 3 of 3 Letter Printed On:30 April 2018

Application No:1-3514925814 Note: This is a Computer generated Report. No signature is required. Printed By : ae345311

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

### APPROVAL PROCESS 2019-20

Extension of Approval (EoA)

F.No. South-West/1-4261810568/2019/EOA

To,

The Principal Secretary (Hr. & Tech Education) Govt. of Karnataka, K. G.S., 6th Floor, M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road, Bangalore-560001

### Sub: Extension of Approval for the Academic Year 2019-20

Ref: Application of the Institution for Extension of approval for the Academic Year 2019-20

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2018 notified by the Council vide notification number F.No.AB/AICTE/REG/2018 dated 31/12/2018 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

	1-4391794	Application Id	1-4261810568
Permanent Id Name of the Institute	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE	Name of the Society/Trust	MAHARAJ EDUCATION TRUST
Institute Address	MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BEHIND K R MILLS BELAWADI VILLAGE NAGUVANAHALLI PANCHAYAT SRIRANGAPATNA TALUK MANDYA DISTRICT KARNATAKA, MYSORE, MANDYA, Karnataka, 571438	Society/Trust Address	12, KAMAKSHI HOSIPTAL ROAD, KUVEMPU NAGAR MYSORE,MYSORE,MYSORE,Kama taka,560001
Institute Type	Unaided - Private	Region	South-West

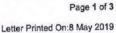
Opted for Change from Women to Co-Ed and vice	No	Change from Women to Co-Ed and vice versa Approved or Not	NA
versa Opted for Change of Name	No	Change of Name Approved or Not	NA
Opted for Change of	No	Change of Site/Location Approved or Not	NA
Site/Location Opted for Conversion from Degree to Diploma or vice	No	Conversion for Degree to Diploma or vice versa Approved or Not	NA
Versa Opted for Organization Name	No	Change of Organization Name Approved or Not	NA
Change Opted for Merger of	No	Merger of Institution Approved or Not	NA
Institution Opted for Introduction of New Program/Level	No	Introduction of Program/Level Approved or Not	NA

To conduct following Courses with the Intake indicated below for the Academic Year 2019-20

Gogram	Shift	evel	ourse	FT/PT+	Affiliating Body (Univ/Body)	Intake Appr 2019-20	NRI Approval Status	PIO / FN / G quota/ OCl/ Approval St
Ē.	s		Ö	FT	Visvesvarava Technological	120	NA	NA

Application No:1-4261810568 Note: This is a Computer generated Report. No signature is required. Printed By : ae345311

Algeners. Maharaja Institute of Technology Mysore Balawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



Date: 29-Apr-2019

AND FECHNOLOGY		GRADUA TE	COMPUTER SCIENCE & ENGINEERING		University, Belgaum			
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	INFORMATION TECHNOLOGY AND ENGINEERING	FT	Visvesvaraya Technological University, Belgaum	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	MECHANICAL	FT	Visvesvaraya Technological University, Belgaum	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	ELECTRONICS & COMMUNICATIO N ENGG	FT	Visvesvaraya Technological University, Belgaum	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st	UNDER GRADUA TE	CIVIL ENGINEERING	FT	Visvesvaraya Technological University, Belgaum	120	NA	NA
MCA	1st	POST GRADUA TE	MASTERS IN COMPUTER APPLICATIONS	FT	Visvesvaraya Technological University, Belgaum	60	NA	NA
MANAGEMENT	1st	POST GRADUA TE	BUSINESS ADMINISTRATIO N	FT	Visvesvaraya Technological University, Belgaum	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUA TE	COMPUTER SCIENCE AND ENGINEERING	FT	Visvesvaraya Technological University, Belgaum	18	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUA TE	THERMAL	FT	Visvesvaraya Technological University, Belgaum	18	NA	NA
ENGINEERING AND TECHNOLOGY	1st	POST GRADUA TE	SIGNAL PROCESSING	FT	Visvesvaraya Technological University, Belgaum	18	NA	NA

+FT -Full Time, PT-Part Time

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

It is mandatory to comply all the essential requirements as given in APH 2019-20(appendix 6)

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education Institutes and the same is applicable to Private & Self-financing Technical Institutions, then the State Government / UT/ DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2019-20 without affecting the percentage reservations of SC/ST/OBC/General. However, this would not be applicable in the case of Minority Institutions referred to the clause (1) of Article 30 of Constitution of India.

Application No:1-4261810568 Note: This is a Computer generated Report. No signature is required. Printed By : ae345311 Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

Prof. A.P Mittal

Page 2 of 3 Letter Printed On:8 May 2019 Copy to: 1.

The Director Of Technical Education\*\*, Karnataka

 The Registrar\*\*, Visvesvaraya Technological University, Belgaum

- 3. The Principal / Director, Maharaja Institute Of Technology Mysore Maharaja Institute Of Technology Mysore Behind K R Mills Belawadi Village Naguvanahalli Panchayat Srirangapatna Taluk Mandya District Karnataka, Mysore,Mandya, Karnataka,571438
- The Secretary / Chairman, Maharaj Education Trust 12, Kamakshi Hosiptal Road, Kuvempu Nagar Mysore. Mysore,Mysore, Karnataka,560001
- The Regional Officer, All India Council for Technical Education Health Centre Building Bangalore University Campus Bangalore - 560 009, Karnataka

6. Guard File(AICTE)

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

\*\* Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

Decemb

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District - 571477

Application No:1-4261810568 Note: This is a Computer generated Report. No signature is required. Printed By : ae345311 Page 3 of 3 Letter Printed On:8 May 2019 ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

'ಜ್ಞಾನ್ ಹಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕನಾಂಲುಕ ರಾಜ್ಯ ದೂರವಾಣಿ: (೦೮೩೧) ೨೪೦೫೪೬೮ TOTA: (OULO) DEONELL

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ಅಧಿಸೂಚನೆ

ವಿಷಯ: ೨೦೧೫-೨೦೧೬ನೇ ಸಾಲಿಗಾಗಿ ಮುಂದುವರಿಕೆ: ವಿಸ್ತರಣಾ ಸಂಯೋಜನೆ

ಮಂಜೂರಾತಿ ಕುರಿತು.

ಉಲ್ಲೇಖ: ೧) ಆರ್ಜಿ ದಿನಾಂಕ: ೧೫.೧೨.೨೦೧೪.

೨) ಕುಲಪತಿಯವರ ಆದೇಶ ದಿನಾಂಕ: ೧೮,೦೩,೨೦೧೬.

೧೯೯೪ರ ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿನಿಯಮ ೪೦ರ (೯)ನೇ ಪ್ರಕರಣದಡಿ ತಮ್ಮ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿರುವ ಪ್ರಸ್ತುತ

ಈ ಕೆಳಗೆ ಕಾಣಿಸಿದ ಕೋರ್ಸಗಳಿಗೆ ಬೋಧಿಸಲು ೨೦೧೫-೨೦೧೬ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿಗಾಗಿ ಸಂಯೋಜನಾ ಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ.

I ಮೊದಲನೇ ವರ್ಷ(	ದಿಂದ ೪ನೇ ವರ್ಷದ	ಅ.ನಂ.	Guerret
ಬಿ.ಇ. ಪದವಿ ಕೋಸ್	೯ಗಳು		ಸಂಸಂಟರ್ ಸೆ.ಸ್ & ಇಂಜಿನಿಯರಿಂಗ್
		9.	ಎಲೆಕ್ಸಾನಿಕ್ಸ್ & ಕಮ್ಯೂನಿಕೇಶನ್ ಇಂಜನೆಯರಂಗ
		0	ಮಕ್ಸಾನಿಕಲ್ ಇಂಜಿನಿಯರಿಂಗ್
		¥.	ಇನ್ ಫಾರೈ ಶನ್ ಸೈನ್ಸ್ & ಇಂಜನಿಯರಿಂಗ್

ತಮ್ಮ ಕಾಲೇಜಿನಲ್ಲಿ ೨೦೦೮-೨೦೦೯ನೇ ಸಾಲಿಗೆ ಸ್ನಾತಕೋತ್ವರ ಕೋರ್ಸು ಎಂ.ಸಿಎ. ಮತ್ತು ೨೦೦೯-೨೦೧೦ನೇ ಸಾಲಿಗೆ ಎಂ.ದಿ.ಎ. ಕೋರ್ಸಗಳು ಹಾಗೂ ೨೦೧೦-೨೦೧೧ನೇ ಸಾಲಿಗೆ ಬಿ.ಇ. ಪದವಿ ಸಿವಿಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಹಾಗೂ ೨೦೧೨-೨೦೧೭ನೇ ಸಾಲಿಗೆ ಎಂ.ಟೆಕ್. ಇನ್ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್ & ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ಎಂ.ಟೆಕ್. ಇನ್ ಥರ್ಮಲ್ ಪಾವರ್ ಇಂಜಿನಿಯರಿಂಗ್ ಹಾಗೂ ೨೦೧೩-೨೦೧೪ನೇ ಸಾಲಿಗೆ ಎಂ.ಟೆಕ್. ಇನ್ ಸಿಗ್ನಲ್ ಪ್ರೇಸಸ್ಸಿಂಗ್ ಹೀಗೆ ಒಟ್ಟು ಆರು ಕೋರ್ಸುಗಳು ಹೊಸದಾಗಿ ಪ್ರಾರಂಭವಾಗಿದ್ದು ಸರಿಯಷ್ಟೆ ಆದರೆ, ಈ ಸದರಿ ಕೋರ್ಸುಗಳು ಪ್ರಾರಂಭವಾಗಿರುವ ಕುರಿತು ರಾಜ್ಯ ಸರ್ಕಾರದಿಂದ ಆದೇಶ ಈವರೆಗೂ ಬಂದಿರುವುದಿಲ್ಲಾ. ಆದುದರಿಂದ, ರಾಜ್ಯ

ಸರ್ಕಾರದಿಂದ ಆದೇಶ ಪಡೆದು ವಿತಾವಿಗೆ ಕಳುಹಿಸಿದ ನಂತರ ಮುಂದಿನ ಕ್ರಮ ಕೈಕೊಳ್ಳಲಾಗುವುದು ಅಡಕ: ೨೦೧೫-೨೦೧೬ನೇ ಸಾಲಿನ ಹೊಸ ವಿಷಯ / ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ ವೃತ್ಯಯದ ಕುರಿತು ವಿ.ತಾ.ವಿ.ಯ ಶಿಫಾರಸ್ಸಿನ ಪ್ರತಿಯನ್ನು ಲಗತ್ತಿಸಲಾಗಿದೆ. ಸೂಚನೆ: ಸ್ಥಳ ಪರಿಶೀಲನಾ ತನಿಖಾ ಸಮಿತಿಯು ವಿಧಿಸಿರುವ ಪರತ್ತುಗಳನ್ನು ೨೦೧೫-೨೦೧೬ನೇ ಸಾಲಿನ ಶೈಕ್ಷಣಿಕ ವರ್ಷ ಪ್ರಾರಂಭವಾಗುವ

ಮುಂಚಿತವಾಗಿ ಪೂರ್ಣಗೊಳಿಸಿ ವಿತಾವಿಗೆ ಅನುಸರಣಾ ವರದಿಯನ್ನು ಕಳುಹಿಸಲು ತಿಳಿಸಲಾಗಿದೆ. ವಿಶೇಷ ಸೂಚನೆ: ಸದರಿ ವಿತಾವಿಯ ಶಿಫಾರಸ್ಸುಗಳು ಸರ್ಕಾರ/ಎಐಸಿಟಿಯಿಂದ ಅನುಮೋದಿತವಾದಲ್ಲಿ ಮಾತ್ರ ಅನ್ವಯಿಸುತ್ತವೆ. ಈ ವಿಷಯದಲ್ಲಿ ವಿತಾವಿಯ ಶಿಫಾರಸ್ಸುಗಳು ಯಾವುದೇ ಹಕ್ಕುಬಾಧ್ಯತೆಗೆ ಅನ್ವಯಿಸುವುದಿಲ್ಲವೆಂದೂ /ಮಹಾವಿದ್ಯಾಲಯ ಯಾವುದೇ ಅಧಿಕಾರಿವರ್ಗಕ್ಕೆ ಈ ಶಿಫಾರಸ್ಸಿನ ಮೇರೆಗೆ ಅರ್ಜಿ ಸಲ್ಲಿಸಲು ಬಾಧ್ಯತೆ ಇಲ್ಲವೆಂದು ತಿಳಿಸಲಾಗಿದೆ.

ಕುಲಸಚಿವರು

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R,

ಪ್ರಾಂಶುಪಾಲರು. ಮಹಾರಾಜಾ ಇನ್ ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ – ಮೈಸೂರು, ಬೆಳವಾಡಿ. ಶ್ರೀರಂಗಪಟ್ಟಣ ತಾಲ್ಲೂಕು, ಮಂಡ್ಯ ಜಿಲ್ಲೆ – ೫೭೧ ೪೩೮.

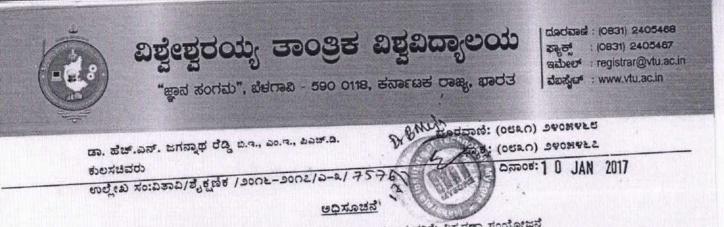
### ಪ್ರತಿ ಸಾದರಪೂರ್ವಕವಾಗಿ ಮಾಹಿತಿಗಾಗಿ ರವಾನಿಸಲಾಗಿದೆ:

೧. ನಿರ್ದೇಶಕರು, ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ, ಬೆಂಗಳೂರು – ೫೬೦ ೦೦೧. ೨. ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ), ವಿ.ತಾ.ವಿ. ಬೆಳಗಾವಿ.

ವಿಶೇಷಾಧಿಕಾರಿಗಳು, ವಿ.ತಾ.ವಿ. ಪ್ರಾದೇಶಿಕ ಕಚೇರಿ, ಮೈಸೂರು.

ಪತಿ ಮಾಹಿತಿಗಾಗಿ: ಕುಲಪತಿಯವರ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿ.ತಾ.ಎ. ಬೆಳಗಾವಿ.

Principal Misharaja Institute of Technology Mysore Betawadi, Naguyanahalii Post Srirangapatna Taluk Mandya District - 571477



ವಿಷಯ : ೨೦೧೬-೨೦೧೭ನೇ ಸಾಲಿಗಾಗಿ ಮುಂದುವರಿಕೆ: ವಿಸ್ತರಣಾ ಸಂಯೋಜನೆ ಮಂಜೂರಾತಿ ಕುರಿತು. ಉಲ್ಲೇಖ : ೧) ಅರ್ಜಿ ದಿನಾಂಕ: ೨೦.೦೨.೨೦೧೬.

೨) ಅನುಸರಣಾ ವರದಿ ಸಮಿತಿ ಸಭೆ ದಿನಾಂಕ: ೧೮.೧೧.೨೦೧೬ & ೧೯.೧೧.೨೦೧೬.

೩) ಕುಲಪತಿಗಳ ಆದೇಶ ದಿನಾಂಕ : ೦೩.೧೨.೨೦೧೬.

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿನಿಯಮ ೧೯೯೪ರ ೪೦ರ (೯)ನೇ ಪ್ರಕರಣದಡಿ ತಮ್ಮ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿರುವ ಪ್ರಸ್ತುತ ಈ ಕೆಳಗೆ ಕಾಣಿಸಿದ ಕೋರ್ಸಗಳನ್ನು ಬೋಧಿಸಲು ೨೦೧೬-೨೦೧೭ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿಗಾಗಿ ಸಂಯೋಜನಾ ಮಂಜೂರಾತಿ ಅಧಿಸೂಚನೆಯನ್ನು ಅನುಸರಣಾ ವರದಿ ಸಮಿತಿ ಸಭೆಯು ವಿಧಿಸಿರುವ ಷರತ್ರುಗಳಿಗೆ ಒಳಪಟ್ಟು ಹಾಗೂ ವಿತಾವಿಯ ತನಿಖಾ ಸಮಿತಿಯು ಶೈಕ್ಷಣಿಕ ವರ್ಷ ೨೦೧೭-೨೦೧೮ನೇ ಸಾಲಿಗೆ ಭೇಟಿ ನೀಡುವ ಪೂರ್ವದಲ್ಲಿ ಪೂರ್ಣಗೊಳಿಸುವ ನಿರ್ಭಂದನೆಗೊಳಪಟ್ಟು ನೀಡಲಾಗಿದೆ.

ನಿರ್ಭಂದನೆಗಳು:

- 1. To furnish the acquaintance roll of the newly recruited/promoted faculty. 2. To appoint faculty as per the observations of the previous LIC and as per
- 2016ನೇ ಸಾಲಿನ ವಿ.ತಾ.ವಿ. ಇ-ಸಂಪನ್ಮೂಲ ಒಕ್ಕೂಟದ (VTU Consortium) ದ ಕನಿಷ್ಟ ಚಂದಾ ಹಣವನ್ನು (ರೂ.೮,೫೨,೮೦೦/-) ಸಂದಾಯ ಮಾಡುವುದು.
- 4. ಎಐಸಿಟಿಇಯು ಕಡ್ಡಾಯ ಗೊಳಿಸಿರುವ ಎಲ್ಲಾ ತರಹದ ನಿಯತಕಾಲಿಕೆಗಳನ್ನು ಹೊಂದುವ ಷರತ್ತಿಗೆ ಒಳಪಟ್ಟು without.

0	೧ ರಿಂದ ೪ನೇ ವರ್ಷದ ಪದವಿ	ಅನಂ	ಕೋರ್ಸಗಳು	
	ಕೋರ್ಸಗಳು	1	Computer Science and Engineering	
		2	Electronics and Communication	
		3	Machanical Engineering	
		4	Information Science and Engineering	

ಅಡಕ: ೨೦೧೬-೨೦೧೭ನೇ ಸಾಲಿನ ಹೊಸ ವಿಷಯ / ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ ವ್ಯತ್ಯಯದ ಕುರಿತು ವಿ.ತಾ.ವಿಯ ಶಿಫಾರಸ್ಸಿನ ಪ್ರತಿಯನ್ನು ಲಗತ್ತಿಸಲಾಗಿದೆ.

ತಮ್ಮ ಕಾಲೇಜಿನಲ್ಲಿ ೨೦೦೮-೨೦೦೯ನೇ ಸಾಲಿಗೆ ಸ್ನಾತಕೋತ್ತರ ಕೋರ್ಸು ಎಂ.ಸಿ.ಎ. ಮತ್ತು ೨೦೦೯-೨೦೧೦ನೇ ಸಾಲಿಗೆ ಎಂ.ಬಿ.ಎ. ಕೋರ್ಸಗಳು ಹಾಗೂ ೨೦೧೦-೨೦೧೧ನೇ ಸಾಲಿಗೆ ಬಿ.ಇ. ಪದವಿ ಸಿವಿಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕೋರ್ಸು ಹಾಗೂ ೨೦೧೨-೨೦೧೩ನೇ ಸಾಲಿಗೆ ಎಂ.ಟೆಕ್. ಇನ್ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್ & ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ಎಂ.ಟೆಕ್. ಇನ್ ಥರ್ಮಲ್ ಪಾವರ್ ಇಂಜಿನಿಯರಿಂಗ್ ಹಾಗೂ ೨೦೧೩-೨೦೧೪ನೇ ಸಾಲಿಗೆ ಎಂ.ಟೆಕ್. ಇನ್ ಸಿಗ್ನಲ್ ಪ್ರೇಸಸ್ಸಿಂಗ್ ಹೀಗೆ ಒಟ್ಟು ಆರು ಹೊಸ ಕೋರ್ಸಗಳು ಹೊಸದಾಗಿ ಪ್ರಾರಂಭವಾಗಿದ್ದು ಸರಿಯಷ್ಟೆ. ಆದರೆ, ರಾಜ್ಯ ಸರ್ಕಾರದಿಂದ ಆದೇಶ ಈವರೆಗೂ ಬಂದಿರುವುದಿಲ್ಲಾ. ಆದುದರಿಂದ, ರಾಜ್ಯ ಸರ್ಕಾರದ ಆದೇಶ ಪಡೆದು ವಿತಾವಿಗೆ ಕಳುಹಿಸಿದ ನಂತರ ಮುಂದಿನ ಕ್ರಮ ಕೈಕೋಳ್ಳಲಾಗುವುದು. BUXWER (1.01.17



ದೂರವಾಣೆ : (0831) 2405468 ಫ್ಯಾಕ್ಸ್ : (0831) 2405467 ಇಮೇಲ್ : registrar@vtu.ac.in ವೆಐಸ್ಟೆಟ್ : www.vtu.ac.in

<u>ವಿಶೇಷ ಸೂಚನೆ</u> : ಸದರಿ ವಿತಾವಿಯ ಶಿಫಾರಸ್ಸುಗಳು ಸರ್ಕಾರ / ಎಐಸಿಟಿಇಯಿಂದ ಅನುಮೋದಿತವಾದಲ್ಲಿ ಮಾತ್ರ ಅನ್ವಯಿಸುತ್ತವೆ. ಈ ವಿಷಯದಲ್ಲಿ ವಿತಾವಿಯ ಶಿಫಾರಸ್ಸುಗಳು ಯಾವುದೇ ಹಕ್ಕುಬಾಧ್ಯತೆಗೆ ಅನ್ವಯಿಸುವುದಿಲ್ಲವೆಂದೂ/ ಮಹಾವಿದ್ಯಾಲಯ ಯಾವುದೇ ಅಧಿಕಾರಿವರ್ಗಕ್ಕೆ ಈ ಶಿಫಾರಸ್ಸಿನ ಮೇರೆಗೆ ಅರ್ಜಿ ಸಲ್ಲಿಸಲು ಬಾಧ್ಯತೆ ಇಲ್ಲವೆಂದು ತಿಳಿಸಲಾಗಿದೆ.

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ - 590 0118, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ

### ಇವರಿಗೆ,

⁄ಪ್ರಾಂಶುಪಾಲರು, ಮಹಾರಾಜಾ ಇನ್ಸ್ಟಾಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಾಜಿ – ಮೈಸೂರು, ಬೆಳವಾಡಿ, ಶ್ರೀರಂಗಪಟ್ಟಣ ತಾಲ್ಲೂಕು,

ಮಂಡ್ಯ ಜಿಲ್ಲೆ – ೫೭೧ ೪೩೮.

### ಪ್ರತಿ ಸಾದರಪೂರ್ವಕವಾಗಿ ಮಾಹಿತಿಗಾಗಿ ರವಾನಿಸಲಾಗಿದೆ:

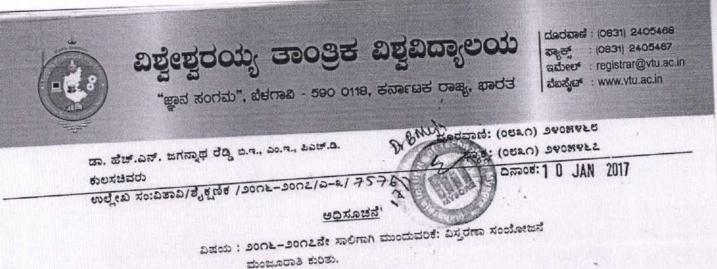
- ೧) ನಿರ್ದೇಶಕರು ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ೧.
- ೨) ಕುಲಸಚಿವರು ( ಮೌಲ್ಯಮಾಪನ ), ವಿ.ತಾ.ವಿ. ಬೆಳಗಾವಿ,
- ಎಶೇಷಾಧಿಕಾರಿಗಳು, ವಿ.ತಾ.ವಿ. ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ, ಮೈಸೂರು.

### ಪತಿ ಮಾಹಿತಿಗಾಗಿ:

ಕುಲಪತಿಗಳ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿ.ತಾ.ವಿ, ಬೆಳಗಾವಿ.

Extend 10.01.17

Prinerpal Maharaja Institute of Technology Mysore Eday adi, Naguvanahalli Post Srirangapatna Taluk Srirangapatna Taluk



ಉಲ್ಲೇಖ : ೧) ಅರ್ಜಿ ದಿನಾಂಕ: ೨೦.೦೨.೨೦೧೬. ೨) ಅನುಸರಣಾ ವರದಿ ಸಮಿತಿ ಸಭೆ ದಿನಾಂಕ: ೧೮.೧೧.೨೦೧೬ & ೧೯.೧೧.೨೦೧೬.

೩) ಕುಲಪತಿಗಳ ಆದೇಶ ದಿನಾಂಕ : ೦೩.೧೨.೨೦೧೬.

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿನಿಯಮ ೧೯೯೪ರ ೪ಂರ (೯)ನೇ ಪ್ರಕರಣದಡಿ ತಮ್ಮ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿರುವ ಪ್ರಸ್ತುತ ಈ ಕೆಳಗೆ ಕಾಣಿಸಿದ ಕೋರ್ಸಗಳನ್ನು ಬೋಧಿಸಲು ೨೦೧೬-೨೦೧೭ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿಗಾಗಿ ಸಂಯೋಜನಾ ಮಂಜೂರಾತಿ ಅಧಿಸೂಚನೆಯನ್ನು ಅನುಸರಣಾ ವರದಿ ಸಮಿತಿ ಸಭೆಯು ವಿಧಿಸಿರುವ ಷರತ್ತುಗಳಿಗೆ ಒಳಪಟ್ಟು ಹಾಗೂ ವಿತಾವಿಯ ತನಿಖಾ ಸಮಿತಿಯು ಶೈಕ್ಷಣಿಕ ವರ್ಷ ೨೦೧೭-೨೦೧೮ನೇ ಸಾಲಿಗೆ ಭೇಟಿ ನೀಡುವ ಪೂರ್ವದಲ್ಲಿ ಪೂರ್ಣಗೊಳಿಸುವ ನಿರ್ಭಂದನೆಗೊಳಪಟ್ಟು ನೀಡಲಾಗಿದೆ.

### ನಿರ್ಭಂದನೆಗಳು:

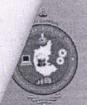
- 1. To furnish the acquaintance roll of the newly recruited/promoted faculty. 2. To appoint faculty as per the observations of the previous LIC and as per
- 3. 2016ನೇ ಸಾಲಿನ ವಿ.ಶಾ.ವಿ. ಇ-ಸಂಪನ್ಮೂಲ ಒಕ್ಕೂಟದ (VTU Consortium) ದ ಕನಿಷ್ಟ ಚಂದಾ
- ಹಣವನ್ನು (ರೂ.೮,೫೨,೮೦೦/-) ಸಂದಾಯ ಮಾಡುವುದು. 4. ಎಐಸಿಟಿಇಯು ಕಡ್ಡಾಯ ಗೊಳಿಸಿರುವ ಎಲ್ಲಾ ತರಹದ ನಿಯತಕಾಲಿಕೆಗಳನ್ನು ಹೊಂದುವ ಷರತ್ತಿಗೆ ಒಳಪಟ್ಟು

	ನೀಡಲಾಗಿದೆ.		
C	೧ ರಿಂದ ೪ನೇ ವರ್ಷದ ಪದವಿ	ಅನಂ	ಕೋರ್ಸಗಳು
	ಕೋರ್ಸಗಳು	1	Computer Science and Engineering
		2	Engineering
		3	Mechanical Engineering
		4	Information Science and Engineering

ಆಡಕ: ೨೦೧೬-೨೦೧೭ನೇ ಸಾಲಿನ ಹೊಸ ವಿಷಯ / ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ ವ್ಯತ್ಯಯದ ಕುರಿತು ವಿ.ತಾ.ವಿಯ ಶಿಫಾರಸ್ಸಿನ

ತಮ್ಮ ಕಾಲೇಜಿನಲ್ಲಿ ೨೦೦೮-೨೦೦೯ನೇ ಸಾಲಿಗೆ ಸ್ನಾತಕೋತ್ತರ ಕೋರ್ಸು ಎಂ.ಸಿ.ಎ. ಮತ್ತು ೨೦೦೯-ಪ್ರತಿಯನ್ನು ಲಗತ್ತಿಸಲಾಗಿದೆ. ೨೦೧೦ನೇ ಸಾಲಿಗೆ ಎಂ.ಬಿ.ಎ. ಕೋರ್ಸಗಳು ಹಾಗೂ ೨೦೧೦-೨೦೧೧ನೇ ಸಾಲಿಗೆ ಬಿ.ಇ. ಪದವಿ ಸಿವಿಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕೋರ್ಸು ಹಾಗೂ ೨೦೧೨-೨೦೧೩ನೇ ಸಾಲಿಗೆ ಎಂ.ಟೆಕ್. ಇನ್ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್ & ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ಎಂ.ಟೆಕ್. ಇನ್ ಥರ್ಮಲ್ ಪಾವರ್ ಇಂಜಿನಿಯರಿಂಗ್ ಹಾಗೂ ೨೦೧೩-೨೦೧೪ನೇ ಸಾಲಿಗೆ ಎಂ.ಟೆಕ್. ಇನ್ ಸಿಗ್ನಲ್ ಪ್ರೋಸಸ್ಸಿಂಗ್ ಹೀಗೆ ಒಟ್ಟು ಆರು ಹೊಸ ಕೋರ್ಸಗಳು ಹೊಸದಾಗಿ ಪ್ರಾರಂಭವಾಗಿದ್ದು ಸರಿಯಷ್ಟೆ. ಆದರೆ, ರಾಜ್ಯ ಸರ್ಕಾರದಿಂದ ಆದೇಶ ಈವರೆಗೂ ಬಂದಿರುವುದಿಲ್ಲಾ. ಆದುದರಿಂದ, ರಾಜ್ಯ ಸರ್ಕಾರದ had white the second in on 17 ಆದೇಶ ಪಡೆದು ವಿತಾವಿಗೆ ಕಳುಹಿಸಿದ ನಂತರ ಮುಂದಿನ ಕ್ರಮ ಕೈಕೋಳ್ಳಲಾಗುವುದು.

Maharaja Institute of Techni Eelawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District - 571477



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"ಜ್ಞಾನ ಸಂಗಮ", ಖೆಳಗಾವಿ - 590 0118, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ

ದೂರವಾಣಿ : (0831) 2405468 ಫ್ಯಾಕ್ಟ್ : (0831) 2405467 ಇಮೇಲ್ : registrar@vtu.ac.in ವೆಬಸ್ಟೆಟ್ : www.vtu.ac.in

<u>ವಿಶೇಷ ಸೂಚನೆ</u> : ಸದರಿ ವಿತಾವಿಯ ಶಿಫಾರಸ್ಸುಗಳು ಸರ್ಕಾರ / ಎಐಸಿಟಿಇಯಿಂದ ಅನುಮೋದಿತವಾದಲ್ಲಿ ಮಾತ್ರ ಅನ್ವಯಿಸುತ್ತವೆ. ಈ ವಿಷಯದಲ್ಲಿ ವಿತಾವಿಯ ಶಿಫಾರಸ್ಸುಗಳು ಯಾವುದೇ ಹಕ್ಕುಬಾಧ್ಯತೆಗೆ ಅನ್ವಯಿಸುವುದಿಲ್ಲವೆಂದೂ/ ಮಹಾವಿದ್ಯಾಲಯ ಯಾವುದೇ ಅಧಿಕಾರಿವರ್ಗಕ್ಕೆ ಈ ಶಿಫಾರಸ್ಸಿನ ಮೇರೆಗೆ ಅರ್ಜಿ ಸಲ್ಲಿಸಲು ಬಾಧ್ಯತೆ ಇಲ್ಲವೆಂದು ತಿಳಿಸಲಾಗಿದೆ.

### ಇವರಿಗೆ,

ಸ್ರಾಂಶುಪಾಲರು, ಮಹಾರಾಜಾ ಇನ್ಸ್ಟಾಟ್ಯೂಟ್ ಅಫ್ ಟೆಕ್ನಾಲಾಜಿ – ಮೈಸೂರು, ಬೆಳವಾಡಿ, ಶ್ರೀರಂಗಪಟ್ಟಣ ತಾಲ್ಲೂಕು,

ಮಂಡ್ಯ ಜಿಲ್ಲೆ - ೫೭೧ ೪೩೮.

### <u>ಪ್ರತಿ ಸಾದರಪೂರ್ವಕವಾಗಿ ಮಾಹಿತಿಗಾಗಿ ರವಾನಿಸಲಾಗಿದೆ:</u>

- ೧) ನಿರ್ದೇಶಕರು ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ೧.
- ೨) ಕುಲಸಚಿವರು ( ಮೌಲ್ಯಮಾಪನ ), ವಿ.ತಾ.ವಿ. ಬೆಳಗಾವಿ,
- ವಿಶೇಷಾಧಿಕಾರಿಗಳು, ವಿ.ತಾ.ವಿ. ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ, ಮೈಸೂರು.

### ಪ್ರತಿ ಮಾಹಿತಿಗಾಗಿ:

ಕುಲಪತಿಗಳ ಕಾರ್ಯದರ್ಶಿಗಳು, ವಿ.ತಾ.ವಿ, ಬೆಳಗಾವಿ.

URHER 10.01.17



Urongophi Maharaia Institute of Technology Mysore Eeiawadi, Naguvanahalli Post Srirangapatna Taluk District - 571477



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018 Karnataka State

Dr. H.N. Jagannatha Reddy BE.ME.Ph.D. Registrar Ref: VTU/Aca/2017-2018/A-1/7/49/30 Phone: (0831)2498100 Fax: (0831)2405467

Date:

### AFFILIATION NOTIFICATION

F / NOV 2017

 Sub: Continuation / Extension of Affiliation for the academic year 2017-2018 for Maharaja Institute of Technology, Mysuru - reg.
 Ref: 1. Your Application dt: 08.02.2017.

2. Vice-Chancellor's order dated: 23.09.2017.

In Exercise of the powers conferred to the University vide Section 40(9) of Visvesvaraya Technological University Act 1994 your College is granted Continuation / Extension of affiliation for the Academic year 2017-2018 to offer the following Courses. This Permission is subject to the fulfillment of the Conditions stipulated by the LIC Compliance Review Committee you are required to comply with the same prior to the LIC visit for the Academic year 2018-2019.

### LIC Compliance Review Committee Conditions:

- Shortage of Professor, Associate Professor and Assistant Professors as per AICTE/VTU norms
- ii. Shortage of faculty with Ph.D. qualification as per norms
- iii. Insurance coverage is not provided for Faculty and Students
- iv. Faculty-Student Ratio is not as per norms
- v. Salary is not paid as per AICTE/ Govt. norms

om 1 <sup>st</sup> to 4 <sup>th</sup> year B.E. Under aduate Courses	SI. No.	Courses
Annual control of the second se	1	Computer Science and Engineering
and the same line is a	2	Electronics and Communication Engineering
	3	Mechanical Engineering
	4	Information Science and Engineering
	om 1 <sup>st</sup> to 4 <sup>th</sup> year B.E. Under aduate Courses	

Further the college is also informed to follow any other Notification / Circular / Norms issued by AICTE/UGC/State Government/VTU in this regard.

1/2

/ Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

The courses MCA and MBA and BE in Civil Engineering and M. Tech, in Computer Science & Engineering & M. Tech. in Thermal Power Engineering and M. Tech. in Signal Processing started from the year 2008-2009, 2009-2010, 2010-2011, 2012-2013 and 2013-2014 respectively. However, the University has not received the Govt. order for starting of the new courses till date. Hence, you are informed to obtain and submit the Govt. order on or before 25.11.2017 failing which suitable action will be initiated in the regard.

REGISTRAR

Encl: VTU Recommendation letter

To. The Principal. Maharaja Institute of Technology Mysuru, Belavadi, Naguvinahally Post, Srirangapatn Taluk, Mandya District - 571 438

### Copy fwc's to:

- 1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi.
- 2. The Director Technical Education, Bengaluru.
- 3. The Registrar (Evaluation), VTU, Belagavi.
- 4. The Regional Director, VTU, Mysuru.

Beerer

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

### Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. H.N. Jagannatha Reddy KE.ME. PKD. Registrar Phone: (0831) 2498100 Fax : (0831) 2405467

Ref: VTU/Aca./2018-2019/A-1/ 3198/24

Date: 2.1 JUL 2018

AFFILIATION NOTIFICATION

Sub: Continuation / Extension of Affiliation for the academic year 2018-2019 for Maharaja Institute of Technology, Mysuru – reg. Ref: 1. Your Application dt: 05.12.2017.

Executive Council Resolution No. 2.1.14, dtd: 20.03.2018.
 Vice-Chancellor's order dated: 27.06.2018.

In Exercise of the powers conferred to the University vide Section 40(9) of Visvesvaraya Technological University Act 1994, your College is granted Continuation / Extension of Affiliation for the Academic Year 2018-2019 to offer the following Courses. This permission is subject to the fulfillment of the conditions stipulated by the LIC Compliance Review Committee. You are required to comply with the same prior to the LIC visit for the Academic year 2019-2020.

### LIC Compliance Review Committee Conditions:

- 1. Shortage of Professors and Associate Professors as per AICTE/VTU norms
- 2. Shortage of faculty with Ph.D. qualification as per norms
- 3. Faculty-Student Ratio is not as per norms
- 4. Salary is not paid as per AICTE/ Govt. norms

From 1 <sup>st</sup> to	SI.	Courses & year of Starting	Temporary Affiliation
	1	Electronics & Communication Engineering - 2007	2018-2019
and the second se		Computer Science & Engineering - 2007	2018-2019
		Information Science & Engineering - 2007	2018-2019
- union			2018-2019
	5		2018-2019 *
From 1 <sup>st</sup> to 3 <sup>rd</sup> year Post Graduate Course	1	MCA - 2008	2018-2019 *
And a subject of the	1	MBA - 2009	2018-2019 *
	2		2018-2019 *
Graduate	3	M. Tech, in Signal Processing - 2014	2018-2019 *
Courses	- Contraction -	M. Tech. in Computer Science & Engineering - 2013	2018-2019 *
	4 <sup>th</sup> year BE Under Graduate Courses From 1 <sup>st</sup> to 3 <sup>rd</sup> year Post Graduate Course From 1 <sup>st</sup> & 2 <sup>nd</sup> year Post Graduate	4th year BENo.Under1Graduate2Courses345From 1st to 3rd year Post Graduate Course1From 1st & 2nd year Post Graduate12nd year Post Graduate2Graduate 33	4th year BE UnderNo.Courses & year of startingUnder1Electronics & Communication Engineering - 2007Graduate Courses2Computer Science & Engineering - 20074Mechanical Engineering - 20075Civil Engineering - 20075Civil Engineering - 2010From 1 <sup>st</sup> to 3 <sup>rd</sup> year Post Graduate Course71MCA - 200872MBA - 20092 <sup>nd</sup> year Post 323M. Tech. in Thermal Power Engineering - 2013Graduate 333M. Tech. in Signal Processing - 2014

### NOTE:

 All \* marked UG/ PG Courses the University has not received the Govt. Order for starting of the new course till date. Hence you are informed to obtain and submit the Govt. Order on or before 01.10.2018, failing which suitable action will be initiated in this regard.

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Principal Maĥaraja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

Further the college is also informed to follow any other Notification/Circular/Norms issued by AICTE/UGC/State Government/VTU in this regard.



To: The Principal, Maharaja Institute of Technology, Belavadi, Naguvinahally Post, Srirangapatn Taluk, Mandya District – 571 438

Copy fwe's to:

- 1. Hon ble Vice-Chancellor, through the Secretary to VC, VTU, Belagavi.
- The Chairman / Secretary, Maharaja Education Trust, Kamakshi Hospital Road, Kuvempunagar, Mysuru – 570 002.
- 3. The Director Technical Education, Bengaluru.
- 4. The Registrar (Evaluation). VTU, Belagavi.
- 5. The I/c Regional Director, VTU, Mysuru.

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Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

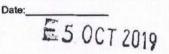


### Visvesvaraya Technological University Jnana Sangama", Belagavi-590 018, Karnataka State

Registrar

Phone: (0831) 2498100 Fax: (0831) 2405467

Ref. VTU/ACA-LIC/2019-20/SO/ 5583 /78



### AFFILIATION NOTIFICATION

Sub: Continuation/Extension of Affiliation for the Academic Year 2019-20

Ref: 1. Executive Council Resolution No. 2.1.2 dated 17-March-2019 2. Vice Chancellor's order dated 13-September-2019

In Exercise of the powers conferred to the University vide Section 40(9) of Visvesvaraya Technological University Act 1994, your college is granted Continuation / Extension of Affiliation for the Academic Year 2019-20 to offer the following Courses. This permission is subject to the fulfillment of the conditions stipulated by the LIC Compliance Review Committee(refer Annexure A). You are required to comply with the same prior to LIC visit for the Academic Year - 2020- 2021.

### Courses

Course	Year of Starting	Present Intake	Proposed Intake	VTU Intake	VTU Recommendation	Applicable From	Applicable To
Computer Science and Engineering - PG	2013	18	18	18	TA	2019-20	2019-20
Master of Computer Applications - PG	2008	120	60	60	TA	2019-20	2019-20
Signal Processing - PG	2014	18	18	0	TA	2019-20	2019-20
Thermal Power Engineering - PG	2013	18	18	0	ТА	2019-20	2019-20
MBA - PG	2009	120	120	120	ТА	2019-20	2019-20
Mechanical Engineering - UG	2007	120	120	120	TA	2019-20	2019-20
Information Science & Engineering - UG	2007	120	120	120	ТА	2019-20	2019-20
Electronics & Communication Engineering - UG	2007	120	120	120	ТА	2019-20	2019-20
Computer Science & Engineering - UG	2007	120	120	120	ТА	2019-20	2019-20
Civil engineering - UG	2010	120	120	120	ТА	2019-20	2019-20

### NOTE:

1. All the courses for which government notification is not obtained either for starting of a new course or for permanent affiliation, this notification is subject to the approval of State Government of Karnataka. If already obtained, send a copy to the University. 2. TA- Temporary Affiliation, PA/PR - Permanent Affiliation

Further, the college is also informed to follow any other Notification/Circular/Norms Issued by AICTE / UGC / State Government / VTU in this regard.

64.10. REGISTRAR

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

The Principal, MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE BELAWADI VILLAGE SR PATNA TALUK MANDYA DIST

### Copy Fwc's to:

To,

1. Hon'ble Vide-Chancellor, through the Secretary to VC, VTU, Belagavi.

2. The Principal Secretary, Department of Higher Education, Government of Karnataka.

3. The Under Secretary, Department of Higher Education, Government of Karnataka.

4. The Director, Technical Education, Bengaluru.

5. Chairman/Secretary, MAHARAJA EDUCATION TRUST, KAMAKSHI HOSPITAL ROAD KUVEMPU NAGAR MYSURU MYSURU

MYSURU Mysuru

6. The Registrar (Evaluation), VTU, Belagavi.

7. The I/c Regional Director, VTU, neyseorzu.

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Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



### Maharaja Institute of Technology Mysore

Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belagavi Recognized by Government of Karnataka

Ref: MITM/Principal/2022/163

Dated: 21.03.2022

### DECLARATION

The List of Courses Offered in the College across the various programs during the Assessment period 2015-16 to 2019-20 are as follows. The Institute hereby submits the error that has occurred and requests the NAAC through the DVV to accept the corrections and oblige.

S/L	Program Name	Program Code	Academic Year	No. of Courses Offered
			2019-20	68
	. B.E. in Computer Science and		2018-19	64
1	Engineering	B.E./CSE	2017-18	61
	Laignicening		2016-17	63
			2015-16	63
			2019-20	70
			2018-19	70
2	B.E. in Civil Engineering	B.E./CV	2017-18	66
3 C			2016-17	67
			2015-16	67
			2019-20	63
	B.E. in Electronics and		2018-19	63
	Communication Engineering	B.E./ECE	2017-18	62
	Communication Engineering		2016-17	62
			2015-16	62
			2019-20	63
1	B.E. in Information Science and	DE /ICE	2018-19	65
4	Engineering	B.E./ISE	2017-18	62
			2016-17	64



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-			2015-16	64
			2019-20	73
			2018-19	72
5	B.E. in Mechanical Engineering	B.E./ME	2017-18	71
2	D.E. III MICCHAINCAL LONG		2016-17	71
			2015-16	71
_			2019-20	20
			2018-19	20
5	M.Tech in Signal Processing	M.Tech/ECE	2017-18	21
0	and a contract of the contract		2016-17	22
			2015-16	
-			2019-20	22
7 7			2018-19	22
	M.Tech in Thermal Power	M.Tech/MTP	2017-18	22
	Engineering		2016-17	15
			2015-16	15
			2019-20	. 32
			2018-19	32
8	Master of Business Administration	MBA	2017-18	32
0			2016-17	32
			2015-16	31
			2019-20	45
			2018-19	45
9	Master of Computer Applications	MCA	2017-18	42
			2016-17	41
			2015-16	41

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Principal Maharaja Institute of Technology Mysore Belawadi, Nagvuanahalli Post Srirangapatna Taluk Mandya District - 571477



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## EXAMINATION BE CIVIL ENGINEERING **III SEMESTER** SCHEME OF TEACHING &

	Total Marks Max. Marks	125	125			125	125	125 125 125	125 125 125 125	125 125 125 125 75	125 125 125 125 75 75
Examination	Theory/ Pract. Max. Marks	100	100			100	100	100 100 100	100 100 100 100	100 100 50	100 100 50 50
Ex	I.A. Max. Marks	25	25			25	25	25 25 25	25 25 25 25	25 25 25 25 25 25	25 25 25 25 25 25 25
	Dur- ation	3	m			3	3	0 0 0 0	m m m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
g hours ek	Pr.	!	T			1	: :	: : :		· · · · · ·	· · · · · ·
Teaching hours /week	Th.	4	4		V	4	4 4	4 4 4	4 4 4	4 4 4 ¦	1     4     4     1
	Teaching Dept.	Maths		Civil	Civil	CIVII	Civil	Civil	Civil Civil Civil/Geo.	Civil Civil Civil/Geo. Civil	Civil Civil Civil Civil Civil Civil
	Title	Engineering Mathematics –III	Building Materials and	Construction Technology	Ctranath of Matariale	OUCHIGHI OI IVIAICITAIS	Surveying – I	Surveying – I Fluid Mechanics	Surveying – I Surveying – I Fluid Mechanics Applied Engineering Geology	Surveying – I Surveying – I Fluid Mechanics Applied Engineering Geology Civil Engg. Material Testing Laboratory	Surveying – I Fluid Mechanics Applied Engineering Geology Civil Engg. Material Testing Laboratory Surveying Practice – I
	Subject Code	10 MAT 31	10 CV 32		10 CV 33		10 CV 34	10 CV 34 10 CV 35	10 CV 34 10 CV 35 10 CV 36	10 CV 35 10 CV 35 10 CV 36 10 CV 36 10 CVL 37	
	SI. No	1	2		e	>	4	5 4 0	5 6	4 0 6	× × × × × ×

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

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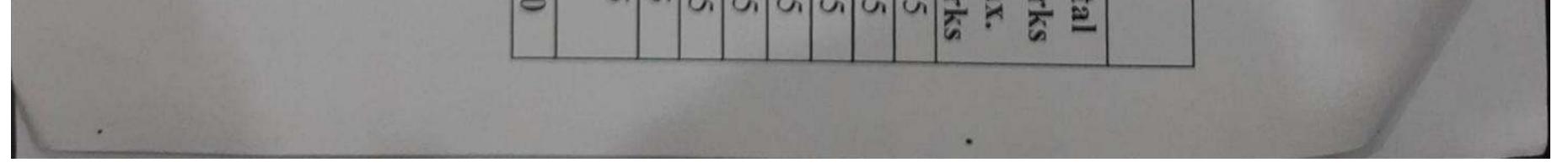
### SCHEME OF BE E IL ENGINEERING **ICHING & EXAMINATION** SEMESTER

900	700	200	25	12	21	Total			Π
75	50	25	ى بى	ယ	-	Civil/Geo.	Applied Engineering Geology Laboratory	10 CVL 48	~
75	50	25	3	3		Civil	00	10 CVL 47	7
125	100	25	4	6	1	Civil	Building Planning & Drawing	10 CV 46	6
125	100	25	3	1	4	Civil	Hydraulics and Hydraulic Machines	10 CV 45	5
125	100	25	3	1	4	Civil	Surveying – II	10 CV 44	4
125	100	25	3	;	4	Civil	Structural Analysis – I	10 CV 43	w
125	100	25	3	:	4	Civil	Concrete Technology	10 CV 42	2
125	100	25	3	1	4	Maths	Engineering Mathematics -IV	10 MAT 41	-
Tota Mark Mark	Theory/ Pract. Max. Marks	I.A. Max. Marks	Dur- ation	Pr.	Th.	Teaching Dept.	Title	Subject Code	No S.
	nation	Examination		hing /week	Teaching hours /weel				

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477 1 +

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		Total	125	125	125	125	125	125	75	75	and the second s
nation	Marks	Theory./	100	100	1001	1001	160	1001	50	50	-
Ecomination		1W	25	25	25	25	35	25	25	25	1 1 1 1 1 1
	Running .	(Brs)	03	03	03	03	60	03	60	63	1
g Brs/		Practical		4	-	*	1	1	60	03	1
Tesching Brs / Week		Theory	04	04	04	04	94	04	1		1 1 1 1 1
Traching Dept.		Any Dept.	Civil	Civil	Civil	Civil	Civil	Civil	Civil		
Title of the Subject		Management & Entrepreneurship	Design of RCC Structural Elements	Structural Analysis – II	Geotechnical Engineering I	Hydrology and Irrigation Engineering	Transportation Engineering - I	Hydraulics and Hydraulic Machinery Lab.	Computer Aided Design Lab.		
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Subject Code		10 AL 51	10 CV 52	10 CV 53	10 CV 54	10 CV 55	10 CV 56	10 CVL 57	10 CVL 58	
SI	No.		-	2	3	4	S	6	L	8	

# SCHEME OF TEACHING AND EXAMINATION B.E. CIVIL EINGINEERING VI SEMESTER

-				Teach	Teaching Hrs / Wrek		Exam	ination	
	Subject Code	Title of the Subject	Icaching					Marks	
			nebr	Theory	Practical	(Hrs)	IA	Theory / Practical	Total
	10 CV 61	Environmental Engineering - 1	Civil	6	t	03	25	100	125
	10 CV 62	Design & Drawing of RC structures	Civil	02	03	64	25	100	125
Concerned in	10 CV 63	Transportation Engineering – II	Civil	64	1	03	25	100	125
A COLUMN	10 CV 64	Geotechnical Engineering II	Civil	04	*	03	25	100	125
	10 CV 65	Hydraulic Structures and Irrigation Design-Drawing	Civil	02	03	04	25	100	125
-	10 CV 66x	Elective-I (Group A)	Civil	04	1	03	25	100	125
-	10 CVL 67	Geotechnical Engineering. Lab.	Civil	1	03	03	25	50	75
-	10 CVL 68	Extensive Survey Viva Voce	Civil	1	03	03	25	50	75
		TOTAL		20	12	25	200	700	006

Ground Water Hydrology Rural Water Supply and Sanitation Traffic Engineering

CV 665 CV 666 CV 667

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477 4 200 Principal

## SCHEME OF TEACHING AND EXAMINATION B.E. CIVIL EINGINEERING V SEMESTER

### Elective-I (Group A)

10	10	10	
Theory of Elasticity	Alternative Building Materials and Technologies	Ground Improvement Techniques	Advanced Surveying
) CV 661	CV 662	10 CV 663	0 CV 664
10	10	10	10



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1		1	0	15	4	0	-	-	-	No	4
	10 CVL 78	10 CVL 77			10 CV 74	10 CV 13	10 CV /2			Subject Code Title of the Subject	
TOTAL	Concrete and Highway Materials lab.	Environmental Engineering Lab	Elective-III (Group C)	Elective-II (Group B)	Design of Pre Stressed Concrete Structures	Estimation and Valuation	Design of Steel Structures	Environmental Engineering -II	7		
	Civil	Civil	Civil	Civil	Civil	Civil	Civil	Civil .	Debe	Tenching	
24	1	1	04	04	04	04	04	04	Theory		Teaching
60	03	03	:		:	-	-	2	Practical		Teaching Hrs / Week
24	03	03	03	03	03	03	03	03	(Hrs)	Duration	
200	25	25	25	25	25	25	25	25	IA		Exa
700	25 50 75	50	100	100	100	100	100	100	Theory / Practical	Marks	mination
900	75	75	125	125	125	125	125	125	Total		

EN ANY ACM DUT	10 CV 756 Ope	10 CV 751 Man 10 CV 752 Adv 10 CV 753 Desi 10 CV 754 Eard 10 CV 755 High
STREET LA STREET	n Channel Hydraulies	trix Method of Structural Analy anced Design of RC Structures ign of Masconry Structures th and Earth Retaining Structure hway Geometric Design

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	0	0		3	-	-	-		
	10 CV 86		E	O CV	0	TOC V BU		Subject Cade	
TOTAL	Semular	Project Work	Elective-V (Group E)	Electrive-IV (Group D)	Structures	Advanced ( oncrete Technology		Title of the Subject	
	Civil	Civil	Civil	Onil	Civil	Cival	Dept.	Teaching	-
14	-	1	A	04	02	94	Theory	1	Teaching I
12	03	06	1		03	-	Practical		Hrs / Week
19	03	03	03	03	04	03	(Hrs)	Duration	
250	50	100	25	25	25	25	IA		Exa
500		100	100	100	25 100 15	100	Theory / Practical	Marks	nination
124	50	200	125	125	125	125	Total		

## IV (Group D)

Quality Manager	10 CV 835 Industrial Washe	10 CV 834 Earthquake Resid	10 CV 833 Pavement Design	10 CV 832 Advanced Found	10 CV 831 Advanced Pre-st
	E.	5	3.	8	2

# SCHEME OF TEACHING AND EXAMINATION B.E. CIVIL EINGINEERING VILSEMESTER

## Elective-III (Group C)

917	10 CV 761	Numerical methods in Civil Engineering
	10 CV 762	Rock Mechanics
	10 CV 763	Pavement Materials and Construction
	10 CV 764	Photogrammetry and Remote Sensing
	374 (1-) 11	

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CO Air Pollution and Control

10 CV 766 Design and Drawing of Bridges.: \* (2 Hrs of Theory + 3 Hrs of Drawing) \* (Exam Duration : 4 Hrs) Structural Dynamics

10 CV 767

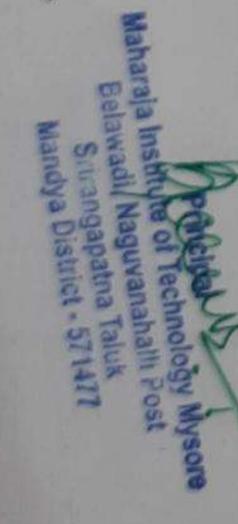
## SCHEME OF TEACHING AND EXAMINATION B.E. CIVIL EINGINEERING VIII SEMESTER

## Elective-V (Group E)

10 CV	10 CV	5222 5222 5222 5222 5222 5222 5222 522
CV 847 Environmental	CV 846 Water Resources Engineering	841 Finite I 842 Reinfo 843 Urban 844 Geogra 845 Advan

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## Computer Sc

# **ISVESVARAYA TECHNO** LOGICAL UNIVERSITY, BELGAUM

### B.E ience and Engineering

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



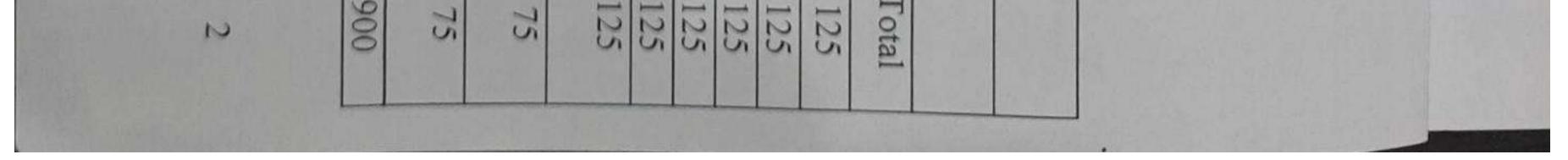
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## SCHEME OF TEACHING AND EXAMINATION B.E. COMPUTER SCIENCE AND ENGINEERING (Common to CSE & ISE)

### **III SEMESTER**

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	~	7	6	5	4	w	2	1			S. No.
	10CSL38	10CSL37	10CS36	10CS35	10CS34	10CS33	10CS32	10MAT31			Subject Code
Total	Electronic Circuits & Logic Design Laboratory	Data Structures with C/C++ Laboratory	Object Oriented Programming with C++	Data Structures with C	Discrete Mathematical Structures	Logic Design	Electronic Circuits	Engineering Mathematics - III			Subject
and	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	Mathematics			Teaching Dept.
24	1	1	04	04	04	04	04	04		Theory	Teaching Hrs / Week
90	03	03	1	1		1	1	1		Practi cal	Hrs /
,	03	03	03	03	03	03	03	03		Duration (Hrs)	
200	25	25	25	25	25	25	25	25	IA		Exami
700	50	50	100	100	100	100	100	100	Exam	Marks	Examination
9	2	-	1	1	1	1	1	1	T		

Maharaja Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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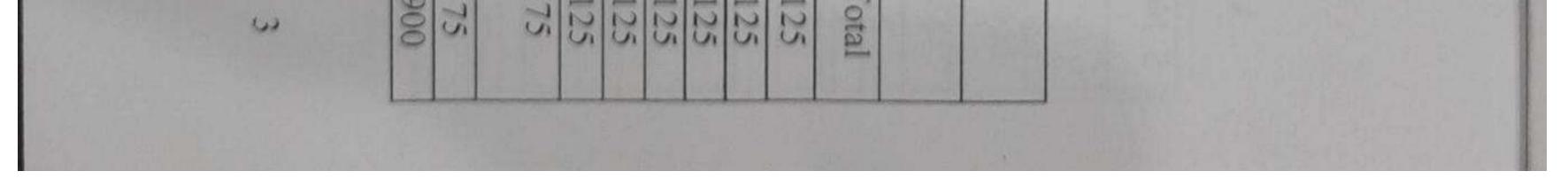
### N SEMESTER

	8		7	6	5	4	w	2	1		1111			S. No.
	10CSL48		10CSL47	10CS46	10CS45	10CS44	10CS43	10CS42	10MAT41					Subject Code
Total	Microprocessors Laboratory	Laboratory	Design and Analysis of Algorithms	Computer Organization	Microprocessors	Unix and Shell Programming	Design and Analysis of Algorithms	Graph Theory and Combinatorics	Engineering Mathematics - IV					Subject
	CSE/ISE		CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	Maths				Dept.	Teaching
24	•		1	04	04	04	04	04	04			Theory	Week	Teaching Hrs /
60	03		03	•							cal	Practi		Hrs /
-	03		03	03	03	03	03	03	03		(Hrs)	Duration		
200	25		25	25	25	25	25	25	25	IA				Examination
700	50		50	100	100	100	100	100	100	Exam		Marks		nation
06	7:		7	12	12	12	12	12	12	Tot				

### CHING AND EXAMINATION non to CSE & ISE)

Maharaja/Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Srirangapatna Taluk Mandya District - 571477

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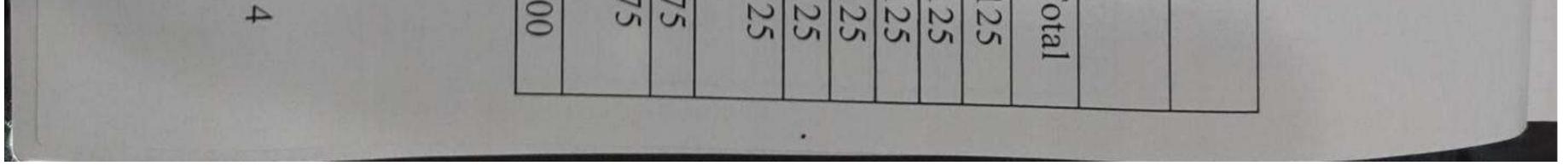
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### **V** SEMESTER

o. Subject Code	Subject	Teaching Dept.	Teaching Hrs / Week	Hrs /		Examination
			Theory	Practi	Duration	
				cal	(Hrs)	
						1
10IS51	Software Engineering	CSE/ISE	04	1	03	-
10CS52	Systems Software	CSE/ISE	04	1	03	
10CS53	Operating Systems	CSE/ISE	04	1	03	3.4
10CS54	Database Management Systems	CSE/ISE	04		03	
10CS55	Computer Networks - I	CSE/ISE	04	1	03	5
10CS56	Formal Languages and Automata	CSE/ISE	04	•	03	25
	Theory					
10CSL57	Database Applications Laboratory	CSE/ISE	1	03	03	N
10CSL58	Systems Software & Operating	CSE/ISE		03	03	25
	Systems Laboratory					
	Total		24	90	1	200

## NCE AND EXAMINATION

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Srirangapatna Taluk



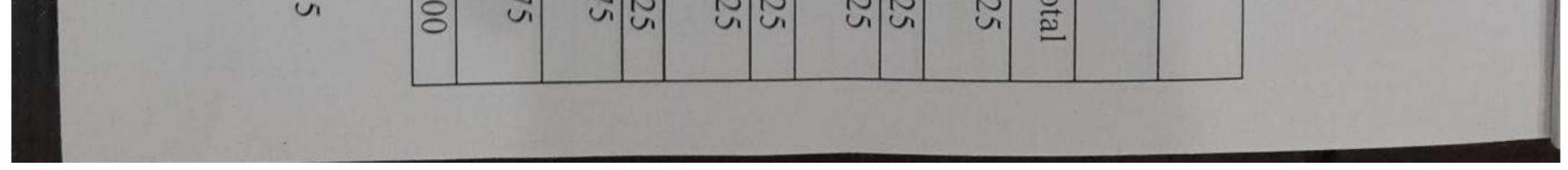
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### **VI SEMESTER**

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	8	7	6	S	4	w	2	1			S. No.
	10CSL68	10CSL67	10CS66x	10CS65 / 10IS665	10CS64	10CS63/ 10IS662	10CS62	10AL61			Subject Code
Total	Unix System Programming and Compiler Design Laboratory	Computer Graphics and Visualization Laboratory	Elective I (Group-A)	Computer Graphics and Visualization	Computer Networks - II	Compiler Design	Unix System Programming	Management and Entrepreneurship			Subject
	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE/ MBA			Teaching Dept.
24		1	04	04	04	04	04	04		Theor y	Teaching Hrs / Week
06	03	03		1	1	1	-	1		Practical	g Hrs /
	03	03	03	03	03	03	03	03		Duration (Hrs)	
200	25	25	25	25	25	25	25	25	IA		Examination
700	50	00	100	100	100	100	100	100	Exam	Marks	nation
90	7	7	12	12	12	12	12	12	Tot		

# B.E. COMPUTER SCIENCE AND EXAMINATION

Maharaja Inskriger Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477 1 the se



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## B.E. COMPUTER :

## VII SEMESTER

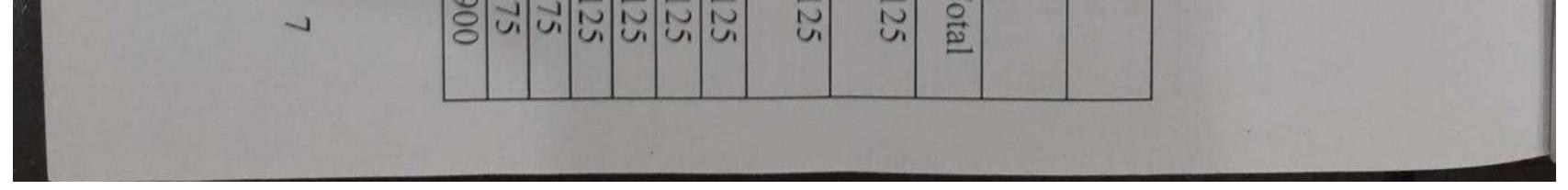
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S. No.			1	2	3	4	5	6	7	8	
Subject Code			10CS71	10CS72/ 10IS752	10CS73	10CS74	10CS75x	10CS76x	10CSL77	10CSL78	
Subject			Object-Oriented Modeling and Design	Embedded Computing Systems	Programming the Web	Advanced Computer Architectures	Elective II (Group-B)	Elective III(Group-C)	Networks Laboratory	Web Programming Laboratory	Total
Teaching Dept.			CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	
Teaching Hrs / Week	Theory		04	04	04	04	04	04	1		24
; Hrs /	Practi cal		1	1	1	1	1		03	03	06
	Duration (Hrs)		03	03	03	03	03	03	03	03	
Examin		IA	25	25	25	25	25	25	25	25	200
ination	Marks	Exam	100	100	100	100	100	100	50	50	700
	Property in	Tot	12	12	12	12	12	12	75	75	06

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## SCHEME OF TEACHING AND EXAMINATION SCIENCE AND ENGINEERING



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**B.E. COMPUTER S** 

## VIII SEMESTER

							DE		
	6	S	4	3	2	1			S. No.
	10CS86	10CS85	10CS84x	10CS83x	10CS82	10IS81			Subject Code
Total	Seminar	Project Work	Elective V(Group-E)	Elective IV(Group-D)	System Modeling and Simulation	Software Architectures			Subject
	CSE	CSE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE			Teaching Dept.
16	1		04	04	04	04		Theory	Teaching Hrs / Week
06	1	90	1	1	1	1		Practi cal	Hrs /
		03	03	03	03	03		Duration	
250	50	100	25	25	25	25	IA		Examination
000		100	100	100	100	100	Exam	Marks	ation
c/	20	20	12	12	12	12	Tot		

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## SCHEME OF TEACHING AND EXAMINATION CIENCE AND ENGINEERING

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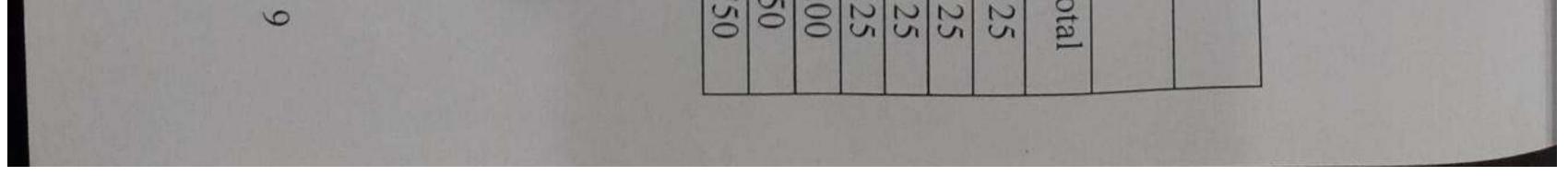
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## Elective IV – Group D

10CS831/10IS831 10CS832/10IS832 10CS833/10IS834 10CS835/10IS835 10CS836/10IS836

Wireless Networks and Mobile Computing10CS841/10IS841Web 2.0 and Rich Internet Applications10CS841VLSI Design and Algorithms10CS842Network Management Systems10CS843Information and Network Security10CS845/10IS844Microcontroller-Based Systems10CS846

NOTE: Students have to register for one Elective from

## Elective V- Group E

each of the five Elective Group.

Ad-hoc Networks Software Testing ARM Based System Design Services Oriented Architecture Clouds, Grids and Clusters Multi-core Architecture and Programming



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### SCHEME OF TEACHING & EXAMINATION **ELECTRONICS & COMMUNICATION ENGINEERING**

Subject	Title	Teach		iching s/week		Exar	nination	
Code	THE	Dept.	Theory	Practical	Duration	I. A	Theory/ Practical	Total Marks
10MAT - 31	Engg. Mathematics - III	Mat	04		03	25	100	125
10ES-32	Analog Electronic Ckts	a	04		03	25	100	125
10ES-33	Logic Design	(a)	04		03	25	100	125
10ES-34	Network Analysis	a	04		03	25	100	125
10IT- 35	Electronic Instrumentation	a	04		03	25	100	125
10ES-36	Field Theory	a	04		03	25	100	125
10ESL - 37	Analog Electronics Lab	a		03	03	25	50	75
10ESL - 38	Logic Design Lab	a		03	03	25	50	75
		Total	24	06	24	200	700	900

### **III SEMESTER (COMMON TO EC/TC/ML)**

1 Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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### SCHEME OF TEACHING & EXAMINATION **ELECTRONICS & COMMUNICATION ENGINEERING**

Subject		Teach		iching rs/week		Exan	nination	
Code	Title	Dept.	Theory	Practical	Duration	I. A	Theory/ Practical	Total Marks
10MAT - 41	Engg. Mathematics - IV	Mat	04	All and the state of	03	25	100 *	125
10ES- 42	Microcontrollers	(a)	04		03	25	100	125
10ES-43	Control Systems	(1)	04		03	25	100	125
10EC - 44	Signals & Systems	a	04		03	25	100	125
1050 15	Fundamentals of HDI	0	0.1		03	25	100	125

### IV SEMESTER (COMMON TO EC/TC/ML)

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10EC - 46	Linear ICs & Applications	a	04		03	25	100	125
		a		03	03	25	50	75
10ECL-48	HDL Lab	(a)		03	03	25	50	75
		Total	24	06	24	200	700	900

Note: @ indicates concerned discipline. ES ( for theory) & ECL ( for Lab) in the subject code indicates that the subject is common to electrical and electronics stream consisting of EE/EC/IT/TC/ML/BM branches of engineering.

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### SCHEME OF TEACHING AND EXAMINATION

### B.E. ELECTRONICS AND COMMUNICATION

V SEMESTER

COMMON TO EC/TE

					ing Hrs /		Exam	ination	
SL	Subject	Title of the Subject	Tenching	and the second second		Constant of	1.1.1.1.1	Marks	
No.	Code	Time of the Subject	Dept.	Theory	Practical	Duration (Hrs)	14	Theory / Practical	Total
01	10AL51	Management and Entrepreneurship	EC	4	-	3	25	100	125
02	10EC32	Digital Signal Processing	EC	4	-	3	25	100	125
03	10EC52	Analog Communication	EC	4	-	3	25	100	125
04	the second se	Microwaves and Radar	EC	4	-	3	25	100	125
	10EC54		EC	4	-	3	25	100	125
05	10EC55	Information Theory and Coding	and the second day of	1		3	25	100	125
06	10EC36	Fundamentals of CMOS VLSI	EC	-	3	2	25	50	75
07	10ECL57	DSP Lab	EC	-	- 3				-
08	10ECL58	Analog Communication Lab 4 LIC Lab	EC	*	3	3	25	50	75 900
- enter		TOTAL		24	06	24	200	700	300

### SCHEME OF TEACHING AND EXAMINATION

### B.E. ELECTRONICS AND COMMUNICATION

### VI SEMESTER

				and the second sec	thing Week	Examination					
SI.	Subject	Title of the Subject	Teaching		1000		-	Marks			
No.	Code		Dept.	Theory	Practical	Duration (Hrs)	IA	Theory / Practical	Total		
	100000	Distant Communication	EC	4		3	25	100	125		
	101:061	Digital Communication	EC	4	-	3	25	100	125		
2	10EC62	Microprocessors	And and a second se			3	25	100	125		
3	10EC63	Microelectronics Circuits	EC	4	-	3		And and a state of the state of	125		
4	10EC64	Antennas and Propagation	EC	4	-	3	25	100			
	and the second se	and the particular in the particular way wanted and the particular in the particular	EC	4		3	25	100	125		
5	10EC65	Operating Systems	EC	4	-	3	25	100	125		
6	10EC66x	Elective-I (Group A)	Children and Child		2	3	25	50	75		
7	10ECL67	Advanced Communication Lab	EC	*	5	3					
8	10ECL68	Microprocessor Lab	EC		3	3	25	50	75		
0	10100000	TOTAL		24	06	24	200	700	900		

Elective-I (Group A)

10EC661 - Analog and Mixed Mode VLSI Design 10EC662 - Satellite Communications

10EC663 - Random Process

10EC664 – Low Power VLSI Design 10EC665 – Data Structure Using C++ 10EC666 – Digital System Design Using Verilog 10EC667- Virtual Instrumentation

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### SCHEME OF TEACHING AND EXAMINATION B.E. ELECTRONICS AND COMMUNICATION

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51.	Subject		A	- 201 A 1967	ning Hrs / Veek	Examination					
No.	Code	Title of the Subject	Teaching Dept.		12.100.000	· ·····	1.21-	Marks			
				Theory	Practical	Duration (Hrs)	IA	Theory / Practical	Total		
1	10EC71	Computer Communication Networks	EC	4		3	25	100	125		
2	10EC72	Optical Fiber Communication	EC	4	-	3	25	100	125		
3	10EC73	Power Electronics	EC	4	-	3	25	100	125		
4	10EC74	Embedded System Design	EC	4		3	25	100	125		
3	10EC75x	Elective-II (Group B)	EC	4	-	3	25	100	125		
6	10EC76x	Elective-III (Group C)	EC	4		2	25	100	125		
7	10ECL77	VL5I Lab	EC		3	3	25	50	75		
8	10ECL78	Power Electronics Lab	EC	4	3	1	25	50	75		
		TOTAL		24	06	24	200	700	900		

Elective-II (Group B)	
10EC751 - DSP Algorithms & Arch	hitecture
10EC752 - Micro and Smart Syster	ns Technology
10EC753 - Artificial Neural Netwo	rk
10EC754 - CAD for VLSI	
10EC755 - Applied Embedded Syst	tem Design*

Elective-III (Group C)

10EC761 - Programming in C++

10EC762 - Real Time Systems

10EC763 - Image Processing

10EC764 - Radio Frequency Integrated Circuits

10EC756 - Speech Processing

10EC765 - Wavelet Transforms 10EC766 - Modeling and Simulation of Data Networks

NOTE: 06EC757 Applied Embedded System Design has a LAB component (syllabus is different and in the Theory Examination, questions from Lab experiments will also be there )

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

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SCHEME OF TEACHING AND EXAMINATION **B.E. ELECTRONICS AND COMMUNICATION** 

VIII SEMESTER



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SI. No.	Subject Code	Title of a		Teaching	Hrs / Week	Examination					
	Code	Title of the Subject	Teaching Dept.			Duration		Marks			
1	10EC81	Wireless Communication		Theory	Practical	(Hrs)	IA	Theory / Practical	Total		
2	10EC82	Digital Switching System	EC	4	-	3	25	100	125		
3	10EC83x	Elective IV/C	EC	4		3	25	100	125		
4	10EC84x	Elective-IV (Group D)	EC	4	#	3	25	100	125		
5	10ECP85	(Choup E)	EC	4	-	3	25	100	125		
6	10ECS86	Project Work	EC		6	3	100	100	200		
1.			EC		3	-	50	-	50		
		TOTAL		16	09	15	250	500	750		

### Elective-IV (Group-D)

10EC831 - Distributed Systems

10EC832 - Network Security

10EC833 - Optical Networks

10EC834 - High Performance Computing Networks

10EC835 - Internet Engineering

Elective-V (Group-E) 10EE841 - Multimedia Communication 10EC842 - Real Time Operating Systems 10EC843 - GSM 10EC844 - Ad-hoc Wireless Networks 10EC845 - Optical Computing

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Srirangapatna Taluk Mandya District - 571477



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## Scheme and Syllabus of Semesters III to VIII of B.E (With effect from 2010-2011)

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## VISVESVARAYA TECHNOL GICAL UNIVERSITY, BELGAUM

## Information Science and

## ience and Engineering

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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## III SEMESTER

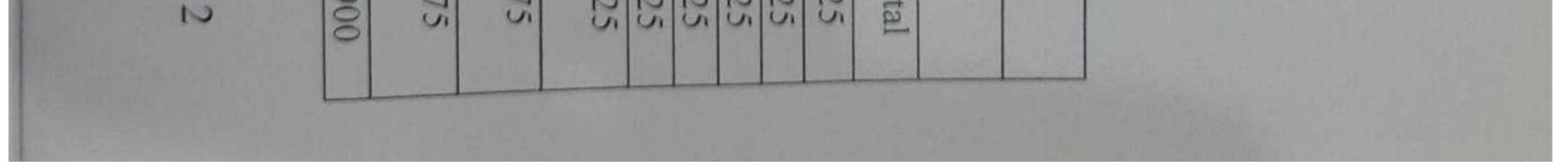
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S. No.			1	2	3	4	S	6		7	8		
Subject Code			10MAT31	10CS32	10CS33	10CS34	10CS35	10CS36		10CSL37	10CSL38		
Subject			Engineering Mathematics - III	Electronic Circuits	Logic Design	Discrete Mathematical Structures	Data Structures with C/C++	Object Oriented Programming with	C++	Data Structures with C/C++ Laboratory	Electronic Circuits & Logic Design	Laboratory	Total
Teaching Dept.			Mathematics	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE		CSE/ISE	CSE/ISE		
Teaching Hrs / Week	Theory		04	04	04	04	04	04					24
Hrs /	Practi cal		1	1	1		1	1		03	03		06
	Duration (Hrs)		03	03	03	03	03	03		03	03		
Examination		IA	25	25	25	25	25	25		25	25	2	200
ation	Marks	Exam	100	100	100	100	100	100		50	50	100	700
		Tota	12:	12:	12:	12	12	12		75	7	2	1 1

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## B.E. INFORMATION SCIENCE AND EXAMINATION (Common to CSE & ISE)

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### IV SEMESTER

	8		7	6	S	4	3	2	1			S. No.
	10CSL48		10CSL47	10CS46	10CS45	10CS44	10CS43	10CS42	IOMAT41			Subject Code
Total	Microprocessors Laboratory	Laboratory	Design and Analysis of Algorithms	Computer Organization	Microprocessors	Unix and Shell Programming	Design and Analysis of Algorithms	Graph Theory and Combinatorics	Engineering Mathematics - IV			Subject
	CSE/ISE		CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	Maths			Teaching Dept.
24			1	04	04	04	04	04	04		Theory	Teaching Hrs / Week
06	03		03	ı	•	L		•			Practi cal	Hrs /
•	03		03	03	03	03	03	03	03		Duration (Hrs)	
200	25		25	25	25	25	25	25	25	IA		Examination
700	50		50	100	100	100	100	100	100	Exam	Marks	ation
006	75		75	125	125	125	125	125	125	Total		

Maharaja Institute/of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

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### V SEMESTER

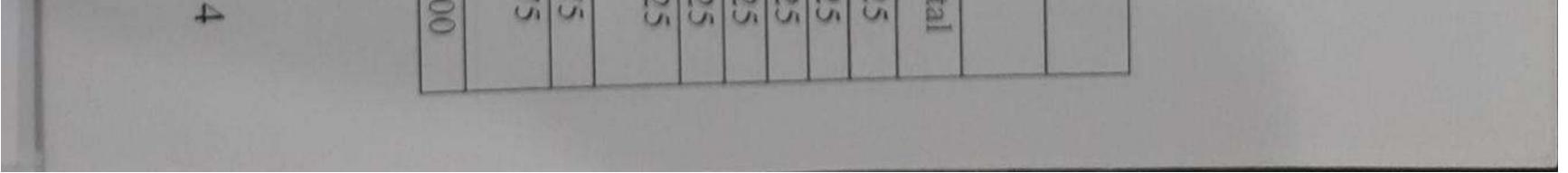
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Code         Subject         I eaching Dept.         I eaching Week         I eaching Theory         I eaching Practi cal $Uuration(Hrs)         Uuration         Marks           Image: Software Engineering         Software Engineering         CSE/ISE         04         -         03         25         100           Software Engineering         CSE/ISE         04         -         03         25         100           Systems Software         CSE/ISE         04         -         03         25         100           Database Management Systems         CSE/ISE         04         -         03         25         100           Formal Languages and Automata         CSE/ISE         04         -         03         25         100           Theory         Database Applications Laboratory         CSE/ISE         04         -         03         25         100           Systems Software & Operating         CSE/ISE         04         -         03         25         100           Image: Systems Software & Operating         CSE/ISE         04         -         03         25         100           Systems Software & Operating         CSE/ISE         04         -         03         03         25       $	000	NUL	200		~	2		Systems Laboratory		
t CodeSubjectI eaching Dept.I eaching WeekI eaching WeekI eaching MeekI eaching Week $I achingMeekI achingMeekI achingMeekI achingMeekI achingMeekI achingMaiksI achingMaiks$	12	UC	22	U.S	03	,	CSE/ISE	Systems Software & Operating	10CSL58	8
t CodeSubjectI eaching MerkI eaching Mept.I eaching MeekI eaching MeekI eaching MeekI eaching MeekI meuringI meuringI meuring2Software EngineeringCSE/ISE04-03251002Systems SoftwareCSE/ISE04-03251003Dept.CSE/ISE04-03251004Dept.CSE/ISE04-03251005Computer Networks - ICSE/ISE04-03251006Formal Languages and AutomataCSE/ISE04-03251007TheoryToCSE/ISE04-0325100	21	00	25	03	03		CSE/ISE	Database Applications Laboratory	10CSL57	7
t CodeSubjectI caching Dept.I caching MeekI caching MeekI caching MeekI caching MeekI caching MeekI caching Meek $I cachingMeekI cachingMatksI cachingMatks$	TO	-0	2					Theory		
t CodeSubjectTeaching Dept.Leaching WeekLeaching WeekLeaching WeekLeaching WeekTheory CalPracti (Hrs)Duration (Hrs) $\sim$ 2Software EngineeringCSE/ISE0403251A12Systems SoftwareCSE/ISE040325253Database Management SystemsCSE/ISE040325254Computer Networks - ICSE/ISE04032525	14	100	25	03	1	04	CSE/ISE	Formal Languages and Automata	10CS56	6
t CodeSubjectTeaching Dept.Leaching WeekI eaching WeekI eaching WeekTheory TheoryPracti CalDuration (Hrs)Marks Marks2Software EngineeringCSE/ISE04-03251002Operating SystemsCSE/ISE04-03251003Database Management SystemsCSE/ISE04-0325100	122	100	25	03	1	04	CSE/ISE	Computer Networks - I	10CS55	5
t CodeSubjectI eaching Dept.I eaching Practi CalI eaching WeekI eaching WeekI eaching WeekI aching 	140	100	25	03		04	CSE/ISE	Database Management Systems	10CS54	4
t Code       Subject       Teaching       Leaching       Leaching       Marks       Examination         Veek       Dept. $Meek$ Theory       Practi       Duration       Marks         Software Engineering       CSE/ISE       04       -       03       25       100         Systems Software       CSE/ISE       04       -       03       25       100	122	100	25	03		04	CSE/ISE	Operating Systems	10CS53	3
t Code     Subject     Teaching     Leaching     Leaching     Marks       Dept.     Dept.     Meek     Theory     Practi     Duration     Marks       Cal     (Hrs)     IA     Exam       Software Engineering     CSE/ISE     04     -     03     25     100	120	100	25	03		04	CSE/ISE	Systems Software	10CS52	2
Code     Subject     Teaching     Leaching     Leaching     Hrs /     Examination       Veek     Dept.     Week     Theory     Practi     Duration     Marks       I aching     I aching     Hrs /     I aching     Hrs /     I aching       I aching     I aching     Hrs /     I aching     Hrs /     I aching       I aching     I aching     I aching     I aching     Marks       I aching     I aching     I aching     I aching     I aching	125	100	25	03		04	CSE/ISE	Software Engineering	10IS51	1
Code     Subject     Teaching     Leaching     Leaching     Hrs /     Examination       Dept.     Dept.     Week     Practi     Duration     Marks       Marks     Code     Marks     Marks     Marks	Tota	Exam	IA							
Code     Subject     Teaching     Leaching Hrs /     Leaching Hrs /       Dept.     Dept.     Week     Uration	1			(Hrs)	cal					
Code Subject Teaching Teaching Hrs/ Dept. Week Week		Marks		Duration	Practi	Theory				
		lation	Examu		Hrs/	Teaching Week	Teaching Dept.	Subject	Subject Code	S. No.

## SCIENCE AND EXAMINATION

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# B.E. INFORMATION SCIENCE AND EXAMINATION

### **VI SEMESTER**

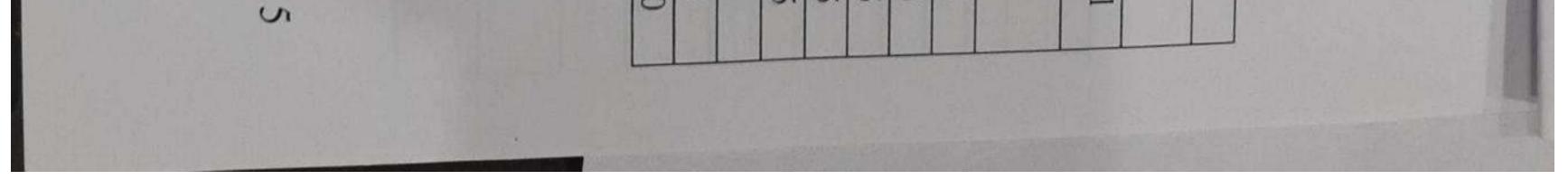
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	8	7	5	5	4		2						S. No.
	10ISL68	10ISL67	10IS66x	10IS65	10CS64	10IS63	10CS62		IUAL61			Code	Subject
Total	Software Testing Laboratory	File Structures Laboratory	Elective I (Group-A)	Software Testing	Computer Networks - II	File Structures	Unix System Programming		Management and Entrepreneurship				Subject
	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE	A	CSE/ISE/MB			Dent.	Teaching
24		-	04	04	04	04	04		04			Theory	Teaching
06	03	03	-	1	-	1					TIACHCAI	Practical	Teaching Hrs /Week
1	03	03	03	03	03	03	03		03	(Hrs)	n	Duratio	
200	25	25	25	25	25	25	25		25	IA			Exam
700	50	50	100	100	100	100	100		100	Exam	Marks	11 1	Examination
006	75	75	125	125	125	125	125		125	Total			

*Elective I – Group A* 10IS661/10CS661 10IS662/10CS663 10IS663/10CS664 10IS665/10CS65 10IS666/10CS666

Operations Research Compiler Design Data Compression Pattern Recognition Computer Graphics and Visualization Programming Languages

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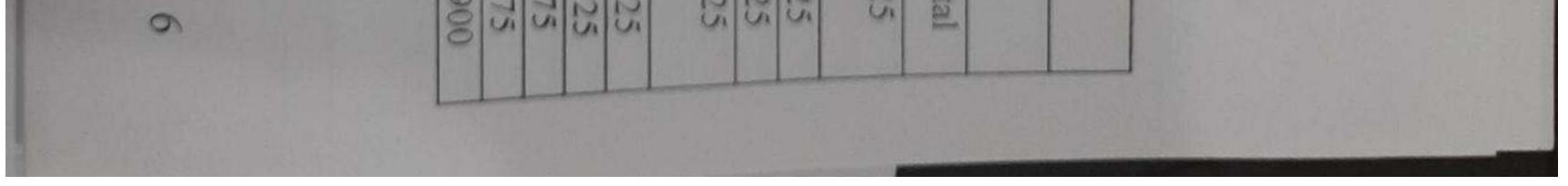
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### VII SEMESTER

S. No.	Subject Code	Subject	Teaching Dept.	Teaching Week	Hrs /			Examination
				Theory	Practi cal	Duration (Hrs)		
							S. S.	IA
1	10CS71	Object Oriented Modeling and Design	CSE/ISE	04		03		25
2	10IS72	Information Systems	CSE/ISE	04		03		25
3	10CS73	Programming the Web	CSE/ISE	04		03	Statement of the local division in which the local division is not the local division of the local division is not the local division of the local divisio	25
4	10IS74/	Data Warehousing and Data Mining	CSE/ISE	04	,	03		25
5	10IS75x ·	Elective II (Group-B)	CSE/ISE	04		03	-	25
6	10IS76x	Elective III(Group-C)	CSE/ISE	04		03	1000	25
7	10CSL77	Networks Laboratory	CSE/ISE		03	03	Contract of	25
8	10CSL78	Web Programming Laboratory	CSE/ISE		03	03		25
		Total		24	60	-		200

## SCIENCE AND ENGINEERING

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Erirangapatna Taluk

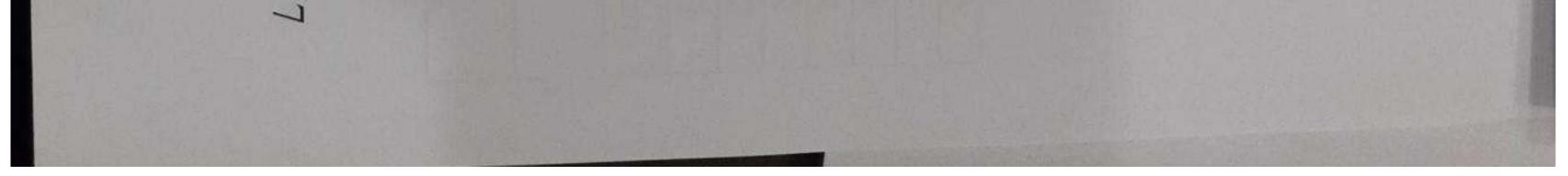


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## Elective II – Group B

10IS751/10CS751 10IS752/10CS72 10IS755 10IS753/10CS753 10IS754/10CS754 10IS756/10CS756

Advanced DBMS Embedded Computing Systems JAVA and J2EE Multimedia Computing Neural Networks Advanced Software Engineering Naharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477 10IS761/10CS761 10IS762/10CS762 10IS766/10CS766 10IS765/10CS765 0IS764/10CS764 0IS763/10CS763 **Tincipal** E -Elective III – Group C C# Programming and .Net Digital Image Processing Artificial Intelligence Game Theory Fuzzy Logic Storage Area Networks-



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## III SEMESTER

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											S. No.
	10IS86	10IS85	10IS84x	10IS83x	10CS82	10IS81					Subject Code
Total	Seminar	Project Work	Elective V(Group-E)	Elective IV(Group-D)	System Modeling and Simulation	Software Architectures					Subject
	ISE	ISE	CSE/ISE	CSE/ISE	CSE/ISE	CSE/ISE				Dept.	Teaching
16			04	04 4	04 602	04 41			Theory	Week	Teaching Hrs /
06		06		- etcay	1	1		cal	Practi		Hrs /
		03	03	03	03	03			Duration		
007	00	100	1001 C7	25	25	25	IA				Examination
000		IUU	100	100	100	100	Exam		Marks		ation
101	750	500	200	5CI	C71	125	Tota				

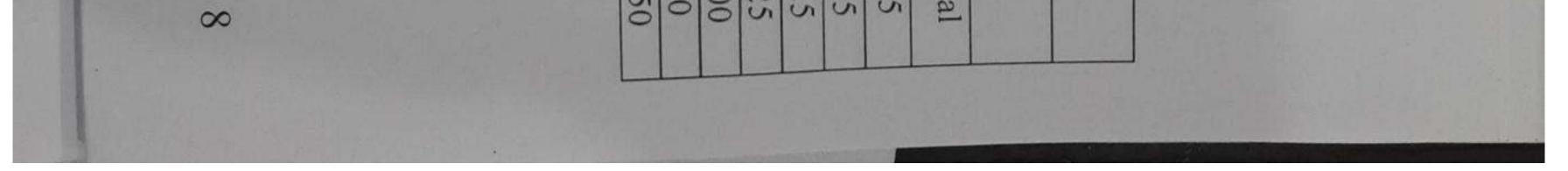
### CHING AND EXAMINATION SCIENCE AND ENGINEERING

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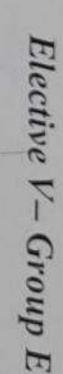
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## Elective IV – Group D

10IS831/10CS831 10IS832/10CS832 10IS833 10IS834/10CS834 10IS835/10CS835 10IS836/10CS836

Wireless Networks and Mobile Computing Web 2.0 and Rich Internet Applications User Interface Design Network Management Systems Information and Network Security Microcontroller-Based Systems

NOTE: Students have to register for one Elective from each of the five Elective Group



uting 10IS841/10CS841 10IS842 10IS843 10IS844/10CS844 10IS845/10CS844 10IS845/10CS845

Ad-hoc Networks Information Retrieval Supply Chain Management Services Oriented Architecture Clouds, Grids and Clusters Decision Support Systems

araja Inst Belaw Mandva District - 571477 awadi, Naguvanahalli F Srirangapatna Taluk tute of Technology Mysore Post



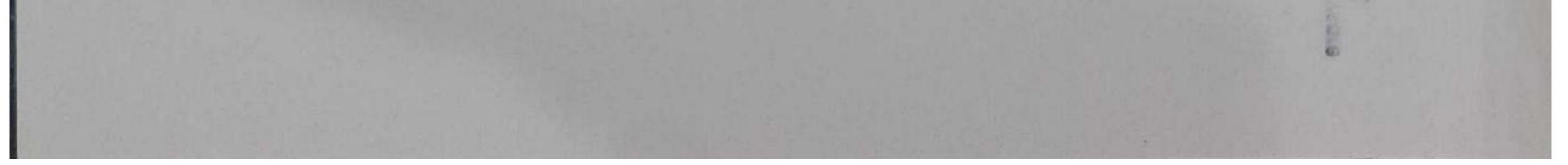
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VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM

SCHEME OF TEACHING AND EXAMINATION **III SEMESTER B.E. MECHANICAL** 

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		80	7	6	5	4	3	2	1		S.No.
	III SEMESTER	10MEL38A/10MEL38B	10MEL37A/10MEL37B	10ME36A/10ME36B	10ME35	10ME34	10ME33	10ME32A/10ME32B	10MAT31		Sub-Code
	STER B.E. MECHANICAL	Foundry & Forging lab / Machine Shop	Metallography & Material Testing Lab / Mech. Measurements & Metrology Lab	Computer Aided Machine Drawing / Fluid Mechanics	Manufacturing Process I	Mechanics of Materials	Basic Thermodynamics	Material Sc. & Metallurgy / Mechanical Measurements & Metrolgy	Engg. Maths – III		Title
		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mathematics		Teaching Dept.
	21/24	1	1	01 04	04	04	04	04	04	Theory	Teachin
Mahai	9	03	03	- 03	1	1	1	:	1	y Pract. J Drg.	Teaching Hours / week
Belawadi, Nag Mandya Di	24	03	03	03	03	03	03	03	03	Duration	
of Technolo of Technolo gapatna Talu gapatna Talu	200	25	25	25	25	25	25	25	25	Max. I.A. Marks	Exam
gy Mysora gy Mysora ATT	700	50	50	100	100	100	100	100	100	Max. Theory /Pr.	Examination
	900	75	75	125	125	125	125	125	125	Total marks	



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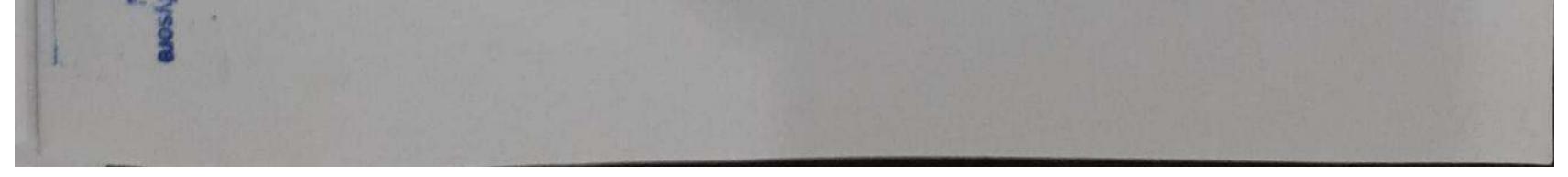
	1	I	1							
	8	-1	6	s	4	ω	2	1		S.No.
	10MEL48A/10MEL48B	10MEL47A/10MEL47B	10ME46A/10ME46B	10ME45	10ME44	10ME43	10ME42A/10ME42B	10MAT41		Sub-Code
	Foundry & Forging lab / Machine Shop	Metallography & Material Testing Lab / Mech. Measurements & Metrology Lab	Computer Aided Machine Drawing / Fluid Mechanics	Manufacturing Process II	Kinematics of Machines	Applied Thermodynamics	Material Sc. & Metallurgy / Mechanical Measurements & Metrolgy	Engg. Maths – IV		Title
	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mathematics		Teaching Dept.
21	- 1	;	01 04	04	04	04	04	04	Theory	Teaching
60	03	03	- 03	1	1	1		1	Pract. / Drg.	ting Hours / week
24	03	03	03	03	03	03	03	03	Duration	
200	25	25	25	25	25	25	25	25	Max. I.A. Marks	Exam
700	50	50	100	100	100	100	100	100	Max. Theory /Pr.	Examination
900	75	75	125	125	125	125	125	125	Total marks	

# VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM

## SCHEME OF TEACHING AND EXAMINATION

IV SEMESTER B.E. MECHANICAL

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VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM rn F TEACHING AND EXAMINATION

S.No.

Sub-Code

Title

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10ME51

Management and

Entrepreneurship

2

10ME52

Design of Machine Elements I

3

10ME53

Energy Engineering

4

10ME54

Dynamics of Machines

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10ME55

Manufacturing Process III

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10ME56

Turbo Machines

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10MELS7

Lab

Fluid Mechanics & Machine

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10MEL58

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V SEMESTER B.E. MECHANICAL

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24		T	1	04	04	04	04	04	04	Theory	Teaching Hours/week
00	2/	03	03	1	1		:	1	:	Pract/ Drg.	ours/week
-	24	03	03	03	03	03	03	03	03	Duration	
-	200	25	25	25	25	25	25	25	25	Max. I.A. Marks	Examination
+	+	50	50	100	100	100	100	100	100	Max. Theory /Pr.	
-	700 90	0 75		22.1 C2.1	125	123	102	261	125	Marks	Total
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	10MEL68	10MEL67	10ME66X	10ME65	10ME64	10ME63	10ME62	10ME61		Sub-Code	
	CAMA Lab	Heat & Mass Transfer Lab	Elective 'A'	Mechatronics & 🗆 P	Finite Element Methods	Heat & Mass Transfer	Design of Machine Elements II	Computer Integrated Manufacturing		Title	
24	1	1	04	04	04	04	04	04	Theory	Tes Hou	I SEMIESI E
96	03	03	1	:	:	-		:	Pract. / Drg.	Teaching Hours/week	SEMIESTEN D.E. MEUNANUAL
24	03	03	03	03	03	03	03	63	Duration	Ex	NANUAL
200	25	25	25	25	25	25	25	25	Max. I.A. Marks	Examination	
700	50	50	100	100	100	100	100	100	Max. Theory /Pr.		
900	75	75	125	125	125	125	125	125		Total Marks	

VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM

SCHEME OF TEACHING AND EXAMINATION

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10ME661 Theory of Elasticity 10ME663 Refrigeration & Air Condition

10ME665 Non Traditional Machining

10ME667 Project Management

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					10ME668	10ME666	10ME664	10ME662	Elective 'A'	
					Statistic	Knowledge	Design of	Mechanics		
					Quality Control	Management	Heat Exchangers	of Composite		
						1	ers	Materials		
			Maharaja Bela							
		Mandya Di	araja Institute of Technology M Belawadi, Naguvanahalli Pos Srirangapatna Taluk	R	5					
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Sub-Code		10ME71	IOME72	10ME73	10ME74	10ME75X	IOME76X	10MEL77	IOMEL78	10MEL79	
e Title		Engineering Economics	Mechanical Vibrations	Rydraulics and Pneumatics	Operations Research	Elective B	Elective C	Design Lab	CIM and Automation Lab	Project Phase I	
Teaching	Theory	04	04	94	04	04	04	1		1	24
Hours/week	Pract. J Drg.	E			1	1		03	03		06
Ex	Duration	03	03	60	03	03	03	03	03		24
Examination	Max. I.A. Marks	25	25	25	25	25	25	25	25	50	250
	Max. Theory	100	100	100	100	100	100	50	50	1	700
Total	Marks	125	125	125	125	125	125	75	75	50	950

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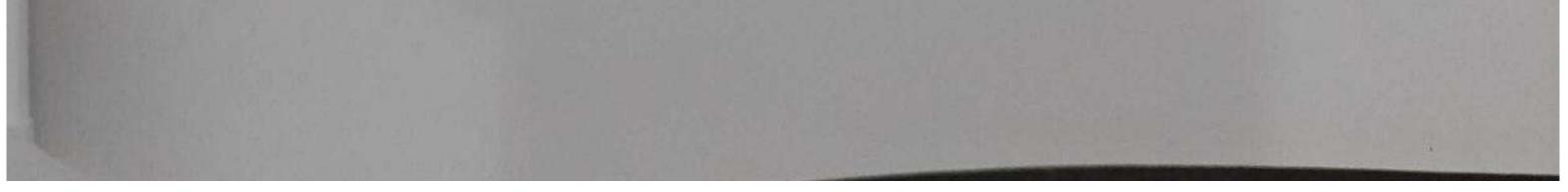
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## NOLOGICAL UNIVERSITY, BELGAUM



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		10ME757 Automation in Manufacturing	10ME755 Gas Dynamics	10ME753 Engineering Design	10ME751 Mechanism Design	Elective
		10ME758 Total Quality Management	10ME756 Management Information System	10ME754 Non Conventional Energy Sources	10ME752 Theory of Plasticity	tive 'B'
		10ME767 Finance management	10ME765 Agile Manufacturing	10ME763 Cryogenics	10ME761 Experimental Stress Analysis	Elec
		10ME768 Micro & Smart System Technology	10ME766 Robotics	10ME764 Smart Materials	10ME762 Tool Design	Elective 'C'



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Sub-Code		10ME81	10ME82	10ME83X	10ME84X	10ME85L	10ME86L		1111	
Title		Operations Management	Control Engineering	Elective D	Elective E	Project Work	Seminar			all the second second
Tea Hour	Theory	04	04	04	04	:	:			
Teaching Iours/week	Pract/ Drg.	1	:	:	-	06	03	60		
Exa	Duration	03	03	03	03	03	:	15		
Examination	Max. I.A. Marks	25	25	25	25	100	50	250		
	Max. Theory /Pr.	100	100	100	100	100	1	500		
Total Marks		125	125	125	125	200	50	750		

VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM

VIII SEMESTER B.E. MECHANICAL HING AND EXAMINATION



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Elective 'D'

10ME831 Tribology

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10ME833 Power Plant Engineering

10ME835 Orgisational Behaviour an Professioanl Communication

10ME837 Rapid Prototyping

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Technology	10MF838 Foundry	10ME836 Computer Graphics	10ME834 Nano Technology	10ME832 Fracture Mechanics	
Experiments	10ME847 Design of	10ME845 Database Management System	10ME843 Bio Mass Energy Systems	10ME841 Machine Tool Design	Elective 'E'
Manufacture & Assembly	10ME848 Design for	10ME846 Artificial Intelligence	10ME844 Automotive Engineering	10ME842 Industrial Engineering & Ergonomics	'e 'E'



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### ard Sc. Sc.

### Total ---125 125 125 125 75 75 **Examination Marks** \*\*175 LA. 25 25 25 25 25 25 25 Th./Pr. \*\*600 100 100 100 100 50 50 Theory /Lab/ Drawing (Hrs/ Week) 4 (T) 4 (T) 4 (T) 6 (2T + 4L) 4 (T) 3 (L) 3 (L) 2 (T) 2 (T) 32 Total Sc.

**II SEMESTER B.E./B.Tech.** 

rks	Total	125	125	125	125	125	75	75	75		775
<b>Examination Marks</b>	LA.	25	25	25	25	25	25	25	25		**175
Examin	Th./Pr.	100	100	100	100	100	50	50	50		**600
1 heory /Lab/	Drawing (Hrs/ Week)	4 (T)	4 (T)	4 (T)	6 (2T + 4L)	4 (T)	3 (L)	3 (3)	2 (T)	2 (T)	32
Doord	DOALU	Basic Sc.	Basic Sc.	CSE	Mech. Engg.	E&C	CSE	Basic Sc.	Civil		Total
Teaching	Department	Maths	Chemistry	Any Engineering Department	Mech./IP/Auto/ Mfg.Engg./ IEM	E&C/E&E /TC/IT	Any Engincering Department	Chemistry	Civil / Environmental	Humanities	
	Subject	Engineering Maths-II	Engineering Chemistry	Programming in C & Data Structures	Computer Aided Engineering Drawing	Basic Electronics	Computer Programming Lab	Engg. Chemistry Lab	*Environmental Studies	Language (Eng.)	
Subject	Code	14MAT21	14CHE22	14PCD23	14CED24	14ELN25	14CPL26	14CHEL27	14CI V28		
SI	No.	1	2	3	4	S	9	6	00	6	1

Language (Kan./Eng.) - Audit Course

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

### I SEMESTER B.E./B.Tech.

CHEMISTRY GROUP

Boa	Basic	Basic	CSE	Mech. Engg.	E&C	CSE	Basic	Civil		
Teaching Department	Maths	Chemistry	Any Engineering Department	Mech./IP/Auto/ Mfg.Engg/ IEM	E&C/E&E /TC/IT	Any Engineering Department	Chemistry	Civil / Environmental	Humanities	
Subject	Engineering Maths-I	Engineering Chemistry	Programming in C & Data Structures	Computer Aided Engineering Drawing	Basic Electronics	Computer Programming Lab	Engg. Chemistry Lab	*Environmental Studies	Language (Eng.)	
Subject Code	14MAT11	14CHE12	14PCD13	14CED14	14ELN15	14CPL16	14CHEL17	14CIV18		
SI. No.	-	2	m	4	5	9	-	80	6	

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### **B.E. CIVIL ENGINEERING**

				ng Hours / Veek			Credits		
SI. No		Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15MAT31	Engineering Mathematics – III	04		03	80	20	100	4
2	15CV32	Strength of Materials	04		03	80	20	100	4
3	15CV33	Fluid Mechanics	04		03	80	20	100	4
4	15CV34	Basic Surveying	04		03	80	20	100	4
5	15CV35	Engineering Geology	04		03	80	20	100	4
	15CV36	Building Materials and Construction	04		03	80	20	100	4
-	15CVL37	Building Materials Testing Laboratory		1I+2P	03	80	20	100	2
-	15CVL38	Basic Surveying Practice		1I+2P	03	80	20	100	2
_	ALL	TOTAL	24	6	24	640	160	800	28

(Common to \_\_\_\_\_

Note:

Core Subjects:	15CV31, 15CV32, 15CV33, 15CV34, 15CV35, 15CV36	
Laboratory & Practice:	15CVL37, 15CVL38	

Receils

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



### **B.E. CIVIL ENGINEERING**

(Common to \_\_\_\_\_)

V SEM		A STATISTICS AND A STATISTICS AND A STATISTICS		g Hours / eek	Examination						
SI. No	Subject Code	Title	Theory	Practical / Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	Credits		
1	15MAT31	Engineering Mathematics – IV	04	1 246	03	80	20	100	4		
2	15CV42	Analysis of Determinate Structures	04		03	80	20	100	4		
3	15CV43	Applied Hydraulics	04		03	80	20	100	4		
4	15CV 44	Concrete Technology	04		03	80	20	100	4		
5	15CV45	Basic Geotechnical Engineering	04		03	80	20	100	4		
6	15CV46	Advanced Surveying	04		03	80	20	100	4		
7	15CVL47	Fluid Mechanics Laboratory		1I+2P	03	80	20	100	2		
3	15CVL48	Engineering Geology Laboratory	-	1I+2P	03	80	20	100	2		
		TOTAL	24	06	24	640	160	800	28		

### Note:

Core Subjects:	15CV 41, 15CV42, 15CV43, 15CV 44, 15CV45, 15CV46
	15CVL47, 15CVL48

Maharaja Institute of Technology N Belawadi, Naguvanahalii Posi Srirangapatna Taluk Mandya District - 57 1477



### **B.E. CIVIL ENGINEERING**

	Subject		and the second se	iching s /Week		Examinat	ion		Credits
Sl. No.	Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15CV51	Design of RC Structural Elements	04		03	80	20	100	4
2	15CV52	Analysis of Indeterminate Structures	04		03	80	20	100	4
3	15CV53	Applied Geotechnical Engineering	04	100 100	03	80	20	100	4
4	15CV54	Computer Aided Building Planning and Drawing	01	3D	03	80	20	100	4
5	15CV55X	Professional Elective-1	03		03	80	20	100	3
6	1 SOULOV								

### V SEMESTER

		TOTAL	19	09	24	640	160	800	26
8	15CVL58	Concrete and Highway Materials Laboratory		1I+2P	03	80	20	100	2
7	15CVL57	Geotechnical Engineering Laboratory		1I+2P	03	80	20	100	2
0	IJCVJOA	Open Elective-1	03		03	80	20	100	3

Profession	al Elective 1	Open Elective 1			
15CV551	Air pollution and Control	15CV561	Traffic Engineering		
15CV552	Railways, Harbours, tunneling and Airports	15CV562	Sustainability Concepts in Engineering		
15CV553	Masonry Structures	15CV563	Remote Sensing and GIS		
15CV554	Theory of Elasticity	15CV564	Occupational Health and Safety		
		15NC565	NCC		

1. Professional Elective: Elective relevant to chosen specialization/ branch

2. Open Elective: Electives from other technical and/or emerging subject areas

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



	I SEMESTEI	<	and the second se	ching s /Week		Examination					
Sl. No.	Subject Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks			
1	15CV61	Construction Management and Entrepreneurship	04		03	80	20	100	4		
1		Design of Steel Structural Elements	04		03	80	20	100	4		
2	15CV62		04		03	80	20	100	4		
3	15CV63	Highway Engineering			(1984) S	80	20	100	4		
4	15CV64	Water Supply and Treatment Engineering	04		03			100	3		
5	15CV65X	Professional Elective 2	03		03	80	20		2		
6	15CV66X	Open Elective 2	03		03	80	20	100	3		
7	15CVL67	Software Application Lab		1I+2P	03	80	20	100	2		
8	15CVP68	Extensive Survey Project /Camp		1I+2P	03	80	20	100	2		
0	1001100	TOTAL	22	6	24	640	160	800	26		

### **B.E. CIVIL ENGINEERING**

Professional E	rofessional Elective-2		ve-2
15CV651	Solid Waste Management	15CV661	Water Resource Management
15CV652	Matrix Method of Structural Analysis	15CV662	Environmental Protection and Management
15CV653	Alternative Building Materials	15CV663	Numerical Methods and applications
15CV654	Ground Improvement Techniques	15CV664	Finite Element Analysis

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



### **B.E. CIVIL ENGINEERING**

	II SEMESTI			aching rs /Week		Exan	nination		Credi
Sl. No.	Subject Code	Title	Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15CV71	Municipal and Industrial Waste Water Engineering	04		03	20	80	100	4
2	15CV72	Design of RCC and Steel Structures	04		03	20	80	100	4
3	15CV73	Hydrology and Irrigation Engineering	04		03	20	80	100	4
4	15CV74X	Professional Elective 3	03		03	20	80	100	3
5	15CV75X	Professional Elective 4	03	Status .	03	20	80	100	3
	150311.26	Environmental Engineering Laboratory		1I+2P	03	20	80	100	2
6	15CVL76 15CVL77	Computer Aided Detailing of Structures		1I+2D	03	20	80	100	2
8	15CVE77	Project Phase I +Project Seminar		3		100		100	2
		TOTAL	18	9	21	240	560	800	24
			Professio	nal Elective 4					
	I Elective 3		15CV751	and the second se	Urban Transpo	ortation and	Planning	-	
5CV741	Design of B	andges	15CV752		Prefabricated S	Structures	Characteriza		
5CV742	Ground Wa	ter & Hydraulics	15CV753		Rehabilitation	and Retrofit	ting of Structures		1
SCV743	Design Con	cept of Building Services	15CV754		Reinforced Ea	rth Structure	S		
CV744	Structural D	Jynamics		A REAL PROPERTY AND			and seminar		

### VII SEMESTED

1. Project Phase-I + Seminar: Literature Survey, Problem Identification, objectives and Methodology, Submission of synopsis and seminar

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



**B.E. CIVIL ENGINEERING** 

	Subject		and a second	aching rs /Week		Exan	nination		Credits
Sl. No.	Subject Code	Title	Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15CV81	Quantity Surveying and Contracts Management	4	1	3	20	80	100	4
2	15CV82	Design of Pre Stressed Concrete Elements	4		3	20	80	100	4
3	15CV83X	Professional Elective 5	3		3	20	80	100	3
4	15CV84	Internship/Professional Practice	Industry	oriented	3	50	50	100	2
5	15CVP85	Project Work	-	6	3	100	100	200	6

VIII SEMESTER

6	15CVS86	Seminar on current trends in Engineering and Technology	-	4	-	100	-	100	1
		TOTAL	11	10	15	310	390	700	20

Profession	al Elective 5
15CV831	Earthquake Engineering
15CV832	Hydraulic Structures
15CV833	Pavement Design
15CV834	Advanced Foundation Design

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Manciya District - 571477



### SCHEME OF TEACHING AND EXAMINATION

B.E Electronics & Communication Engineering / Telecommunication Engineering (Common to Electronics & Communication and Telecommunication Engineering)

11 5.	EMESTER			ing Hours Week		Examin	ation	T The same	Credits
Sl. No	Subject Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15MAT31	Engineering Mathematics –III*	04		03	80	20	100	4
2	15EC32	Analog Electronics	04		03	80	20	100	4
3	15EC33	Digital Electronics	04		03	80	20	100	4
4	15EC34	Network Analysis	04		03	80	20	100	4
5	15EC35	Electronic Instrumentation	04		03	80	20	100	4
6	15EC36	Engineering Electromagnetics	04		03	80	20	100	4
7	15ECL37	Analog Electronics Lab		1I+2P	03	80	20	100	2
8	15ECL38	Digital Electronics Lab		1I+2P	03	80	20	100	2
-		TOTAL	24	6	24	640	160	800	28

\*Additional course for Lateral entry students only:

	15MATDIP31	Additional Mathematics - I	03	03	80	 80	
1000	A DESCRIPTION OF TAXABLE PARTY.						

Maharaja Institute of technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

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### SCHEME OF TEACHING AND EXAMINATION B.E Electronics & Communication Engineering / Telecommunication Engineering (Common to Electronics & Communication and Telecommunication Engineering)

SE	MESTER		and a state of the	ng Hours Jeek		Examina	tion		Credit
Sl. No	Subject Code	Title	Theory	Practical / Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15MAT41	Engineering Mathematics –IV*	04		03	80	20	100	4
2	15EC42	Microprocessor	04		03	80	20	100	4
3	15EC43	Control Systems	04		03	80	20	100	4
4	15EC44	Signals and Systems	04		03	80	20	100	4
5	15EC45	Principles of Communication Systems	04		03	80	20	100	4
5	15EC46	Linear Integrated Circuits	04		03	80	20	100	4
7	15ECL47	Microprocessor Lab		1I+2P	03	80	20	100	2
3	15ECL48	Linear ICs and Communication Lab	4	1I+2P	03	80	20	100	2
		TOTAL	24	06	24	640	160	800	28

\*Additional course for Lateral entry students only:

1	15MATDIP41	Additional Mathematics - II	03	03	80	 80	
			the second se	the second s		 the second s	

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



S1.	Subject		Teaching Hours /Week		Examinati	Credits			
No	Code	Title	Theory	Practical /Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15ES51	Management and Entrepreneurship Development	04		03	80	20	100	4
2	15EC52	Digital Signal Processing	04		03	80	20	100	4
3	15EC53	Verilog HDL	04		03	80	20	100	4
4	15EC54	Information Theory & Coding	04	THE REAL PROPERTY	03	80	20	100	4
5	15EC55X	Professional Elective-1	03		03	80	20	100	3
6	15EC56X	Open Elective-1	03		03	80	20	100	3
7	15ECL57	DSP Lab		1I+2P	03	80	20	100	2
8	15ECL58	HDL Lab		1I+2P	03	80	20	100	2
TOT	TAL		22	06	24	640	160	800	26

Profession	nal Elective-1	Open Elective - 1* (List offered by EC/TC Board or					
15EC551	Nanoelectronics	15EC561	Automotive Electronics				
15EC552	Switching & Finite Automata Theory	15EC562	Object Oriented Programming Using C++				
15EC553	Operating System	15EC563	8051 Microcontroller				
15EC554	Electrical Engineering Materials						
15EC555	MSP430 Microcontroller						

Professional Elective: Elective relevant to chosen specialization/ branch.
 \* Open Elective List: For other Open Electives offered by other Boards, refer the Scheme of other Boards or Consolidated list in VTU Website.

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VIS	EMESTER			ing Hours Week		Examinat	ion		Credit
SI. No	Subject Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15EC61	Digital Communication	04		03	80	20	100	4
1.18		ARM Microcontroller & Embedded Systems	04	and the second second	03	80	20	100	4
2	15EC62	VLSI Design	04	75376	03	80	20	100	4
3	15EC63		04		03	80	20	100	4
4	15EC64	Computer Communication Networks	or and the second se				00	100	3
5	15EC65X	Professional Elective-2	03		03	80	20	100	3
6	15EC66X	Open Elective-2	03		03	80	20	100	3
7	15ECL67	Embedded Controller Lab		1I+2P	03	80	20	100	2
8	15ECL68	Computer Networks Lab		1I+2P	03	80	20	100	2
-		TOTAL	22	6	24	640	160	800	26

Profession	nal Elective-2	Open Elec	ctive - 2* (List offered by EC/TC Board only
15EC651	Cellular Mobile Communication	15EC661	Data Structures Using C++
And the second states and the second states	Adaptive Signal Processing	15EC662	Power Electronics
	Artificial Neural Networks	15EC663	Digital System Design using Verilog
15EC654	Digital Switching Systems		
15EC655	Microelectronics		and the second

Professional Elective: Elective relevant to chosen specialization/branch.
 \* Open Elective List: For other Open Electives offered by other Boards, refer the Scheme of other Boards or Consolidated list in VTU Website.

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VII SEMESTER

S1.	Subject Code			Teaching Hours /Week		Examination				
No		Code Title	Theory	Practic al/Dra wing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks		
1	15EC71	Microwave and Antennas	04		03	20	80	100	4	
2	15EC72	Digital Image Processing	04		03	20	80	100	4	
3	15EC73	Power Electronics	04		03	20	80	100	4	
4	15XX74X	Professional Elective-3	03		03	20	80	100	3	
5	15EC75X	Professional Elective-4	03		03	20	80	100	3	
6	15ECL76	Advanced Communication Lab		1I+2P	03	20	80	100	2	
7	15ECL77	VLSI Lab		1I+2P	03	20	80	100	2	
8	15ECP78	Project Work Phase–I + Project work Seminar		03		100	-	100	2	
		TOTAL	18	09	21	240	560	800	24	

Profession	al Elective-3	Professional	Elective-4		
15EC741Multimedia Communication15EC742Biomedical Signal Processing		15EC751	DSP Algorithms and Architecture IoT and Wireless Sensor Networks		
		15EC752			
15EC743	Real Time Systems	15EC753	Pattern Recognition		
15EC744	Cryptography	15EC754	Advanced Computer Architecture		
15EC745	CAD for VLSI	15EC755	Satellite Communication		

1. Project Phase -I + Project Work Seminar: Literature Survey, Problem Identification, Objectives and Methodology. Submission of Synopsis and Seminar.

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Stirangapatna Taluk Mandya District - 571477



VIII	SEMESTER Subject Code	Title		ing Hours Week		Credits			
SI. No			Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15EC81	Wireless Cellular and LTE 4G Broadband	4		3	20	80	100	4
2	15EC82	Fiber Optics & Networks	4		3	20	80	100	4
3	15EC83X	Professional Elective-5	3	-	3	20	80	100	3
4	15EC84	Internship/Professional Practice	Industr	y Oriented	3	50	50	100	2
5	15ECP85	Project Work		6	3	100	100	200	6
6	15ECS86	Seminar	-	4	-	100	-	100	1
		TOTAL	11	10	15	310	390	700	20

Professio	nal Elective -5
15EC831	Micro Electro Mechanical Systems
15EC832	Speech Processing
15EC833	Radar Engineering
15EC834	Machine learning
15EC835	Network and Cyber Security

 15EC835
 Machine learning

 15EC835
 Network and Cyber Security

 Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk

 Srirangapatna Taluk

 Semester Vacation period.



B.E. Computer Science &	& Engineering/	<b>B.E. Information Science</b>	e & Engineering
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<b>C1</b>			and the second se	ing Hours Week		Examination			
SI. No	Subject Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15MAT31	Engineering Mathematics - III	04	-	03	80	20	100	4
2	15CS32	Analog and Digital Electronics	04	K	03	80	20	100	4
3	15C833	Data Structures and Applications	04	< /	03	80	20	100	4
4	15CS34	Computer Organization	04		03	80	20	100	4
5	15CS35	Unix and Shell Programming	04		03	80	20	100	4
6	15CS36	Discrete Mathematical Structures	04	- 7	03	80	20	100	4
7	15CSL37	Analog and Digital Electronics Laboratory	-	1I+2P	03	80	20	100	2
3	15CSL38	Data Structures Laboratory		1I+2P	03	80	20	100	2
		TOTAL	24	6	24	640	160	800	28

Note: 'I' Stands for Instruction Hours and 'P' for practical Hours

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B.E. Computer Science & Engineering/ B.E. Information Science & Engineering

IV	SEMESTER		Teaching H	ours /Week	A	Contraction of the local division of the loc	amination	/	
Sl. No	Subject Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practica 1 Marks	I.A. Marks	Total Marks	4
		The in Mathematics - IV	04	6	03	80	20	100	-
1	15MAT41	Engineering Mathematics - IV		As	1 Alexandre		20	100	4
2	15CS 42	Software Engineering	04	AS	03	80	20		
		the second se	04		03	80	20	100	4
3	15CS43	Design and Analysis of Algorithms	ч	A C		1		100	4
4	15CS 44	Microprocessors and Microcontrollers	04		03	80	20	100	
	1505 11		04		03	80	20	100	4
5	15CS45	Object Oriented Concepts	J.				20	100	4
6	15CS46	Data Communication	04		03	80	20	100	
				1I+2P	03	80	20	100	2
7	15CSL47	Design and Analysis of Algorithm						100	2
8	15CSL48	Laboratory	× (	1I+2P	03	80	20	100	1. 3.18
0		Microprocessors Laboratory TOTAL	24	06	24	640	160	800	28

Note: 'I' Stands for Instruction Hours and 'P' for practical Hours

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V SEMESTER

**B.E. Information Science & Engineering** 

SI.	Subject	and the second of the second o	Teaching Hours /Week		Examination				
No	Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	Credits
1	15CS51	Management and Entrepreneurship for IT industry	04		03	80	20	100	4
2	15C852	Computer Networks	04	A	03	80	20	100	4
3	15CS53	Database Management System	04	< - O	03	80	20	100	4
4	15CS54	Automata theory and Computability	04		03	80	20	100	4
5	15CS/IS55x	Professional Elective 1	03-		03	80	20	100	3
6	15CS56x	Open Elective 1	03	Jese Contraction	03	80	20	100	3
7	15CSL57	Computer Network Laboratory	1	1I+2P	03	80	20	100	2
8	15CSL58	DBMS Laboratory with mini project		1I+2P	03	80	20	100	2
TOT	ΓAL		22	6	24	640	160	800	26

Professional	Elective 1
15CS551	Object Oriented Modeling and Design
15IS552	Social Network Analysis
15CS553	Advanced JAVA and J2EE
15IS554	Programming Languages

 IS554
 Programming Languages

 1. Professional Elective: Electives relevant to choosen specialization / branch
 Maharaja Institute of Pechnology Mysore Belawadi, Maguvanahalli Post

 2. Open Elective: Electives from other technical and/or emerging subject areas (Announced separately) Mandya District - 571477



**B.E. Information Science & Engineering** 

VI SEM	IESTER		Teaching H	ours /Week		A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWNE	mination		Credit
51. No	Subject Code	Title	Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	4
			04		03	80	20	100	4
1	15CS61	Cryptography, Network Security and Cyber Law		-		00	20	100	4
2	151642	File Structures	04	-	03	80	20		
	151862	The Structures	04	A	03	80	20	100	4
3	15IS63	Software Testing		A		80	20	100	4
4	15CS64	Operating Systems	04	00	03	80	20		1.1.9.4
-			03		03	80	20	100	3
5	15CS/IS65x	Professional Elective 2	(		VV	00	20	100	3
6	15CS/IS66x	Open Elective 2	03		03	80	20	100	
7	15ISL67	A	[]	11+2P	03	80	20	100	2
1	13131.07	Software Testing Laboratory			0.0	00	20	100	2
8	15ISL68	File Structures Laboratory with mini project		1I+2P	03	80	20	100	
- Carl		TOTAL	22	06	24	640	160	800	26

Professional	Elective 2
15CS651	Data Mining and Data Warehousing
15IS652	System Software
15CS653	Operation research
15CS654	Distributed Computing system

1. Professional Elective: Electives relevant to choosen specialization / branch

2. Open Elective: Electives from other technical and/or emerging subject areas (Announced separately)

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B.E. Computer Science & Engineering

	II SEMESTI	EK	and and a second se	ng Hours		Exam	ination		Credits
SI. No	Subject Code	Title	/V Theory	Veek Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15CS71	Web Technology and its applications	04		03	20	80	100	4
-	130071		04	6	03	20	80	100	4
2	15CS72	Advanced Computer Architectures			* 40°	20	80	100	4
3	15CS73	Machine Learning	04	1-0	03	1000		100	3
4	15CS74x	Professional Elective 3	03	- W	03	20	80	100	
		Professional Elective 4	03		03	20	80	100	3
5	15CS75x			1I+2P	03	20	80	100	2
6	15CSL76	Machine Learning Laboratory		1 alles	and a	20	80	100	2
7	15CSL77	Web Technology Laboratory with mini project	1	1I+2P	03	20	80		
8	15CSP78	Project Phase 1 + Seminar				100		100	2
0	15001.0	TOTAL	18	6	21	240	560	800	24
			- Standard						
n	Consignal Elas	tive 3			onal Electiv	e4	ami Commutin	20	
	fessional Elec	Natural Language Processing		15CS751		Soft and Evolution	and Robotics	15	
	2S741 2S742	Cloud Computing and its Applications		15CS752		Computer Vision a Digital Image Proc	essing		
	S742	Information and Network Security	the mail in	15CS753		Storage Area Netw	vorks		
	CS745	Unix System Programming		15CS754	+	Storage Area Netw	VOINO		

15CS744 1. Professional Elective: Electives relevant to choosen specialization / branch

2. Project Phase 1 + Seminar : Literature Survey, Problem Identification, Objectives and Methodology, Submission of Synopsis and Seminar

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B.E. Computer Science & Engineering

VIII SEMESTER

			and the second sec	ing Hours Veek		Exam	ination		Credits
SI. No	Subject Code	Title	Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15CS81	Internet of Things and Applications	4		3	20	80	100	4
2	15CS82	Big Data Analytics	4		3	20	80	100	4
3	15CS83x	Professional Elective 5	3	1-0	3	20	80	100	3
4	15CS84	Internship / Professional Practice	Industr	y Oriented	3	50	50	100	2
5	15CSP85	Project work phase II		6	3	100	100	200	5
6	15CSS86	Seminar		4		100	-	100	2
		TOTAL	11	10	15	310	390	700	20
Profe	essional Elect	ive 5						NER WICH	10000
1505		High Performance Computing	AW		All and all		1 . T. T.		
15CS	\$832	User Interface Design	A A				- Parter		
	\$833	Network management	X						
1508	\$834	System Modeling and Simulation			and the second second			- Aller and a starting	Carrier and the second

2

Professional Elective: Electives relevant to chosen specialization / branch
 Internship / Professional Practice: To be carried out between 6<sup>th</sup> and 7<sup>th</sup> semester vacation or 7<sup>th</sup> and 8<sup>th</sup> semester vacation period

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### B.E. Mechanical Engineering

### IV SEMESTER

			Tea	ching Hours	/Week		Exam	ination		Credits
SI. N O	Subject Code	Title	Lectur e	Tutorial	Practical	Duration (Hours)	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15MAT41	Engineering Mathematics – III	04			03	80	20	100	04
2	15ME42	Kinematics of Machinery	03	02		03	80	20	100	04
3	15ME43	Applied Thermodynamics	03	02		03	80	20	100	04
4	15ME44	Fluid mechanics	03	02		03	80	20	100	04
5	15ME45A/	Metal Casting and Welding	04			03	80	20	100	04
	15ME45B 15ME46 A/	Machine Tools and Operations Computer Aided Machine Drawing	02		4					
6	15ME46B	Mechanical Measurements and Metrology	04			03	80	20	100	03
	15MEL47A	Materials Testing Lab/								
7	/ 15MEL47B	Mechanical Measurements and Metrology Lab	1		2	03	80	20	100	02
8	15MEL48A	Foundry and Forging Lab							-	
	7 15MEL48B	Machine Shop/	1		2	03	80	20	100	02
		TOTAL	19/21	06	08/04		640	160	800	27

Maharaja Institute de Rechnology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



B.E.	Mecl	hanical	Engineering	
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V	SI	EN	1	E	SI	C1	13	र
- A -		00.00		-	100.00			

			Te	aching Hou	irs /Week		Examina	ation		Credits
SI. No	Subject Code	Title	Lecture	Tutoria	l Practical	Duration (Hours)	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15ME51	Management and Engineering Economics	3	2	0	03	80	20	100	4
2	15ME52	Dynamics of Machinery	3	2	0	03	80	20	100	4
3	15ME53	Turbo Machines	3	2	0	03	80	20	100	4
4	15ME54	Design of Machine Elements - I	3	2	0	03	80	20	100	4
5	15ME55X	Professional Elective-I	3	0	0	03	80	20	100	3
6	15ME56X	Open Elective-I	3	0	0	03	80	20	100	3
7	15MEL57	Fluid Mechanics & Machinery Lab	1	0	2	03	80	20	100	2
8	15MEL58	Energy Lab	1	0	2	03	80	20	100	2
		TOTAL	21	06	04		640	160	800	26
	Profession	al Elective-I		Open Electiv	ve-I					
	15ME551	Refrigeration and Air-conditioning		15ME561	Optimization Te					
	15ME552			15ME562	Energy and Envi					
	15ME553	Human Resource Management		15ME563	Automation and	and the second se				
	15ME554	Non Traditional Machining		15ME564	Project Manager	met				

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

2. Professional Elective: Elective relevant to chosen specialization/ branch

3. OpenElective: Electives from other technical and/or emerging subject areas.

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### **B.E. Mechanical Engineering**

				Teac	hing Hours	/Week		Examir	nation		Credits
l. lo	Subject Code	Title	L	ecture	Tutorial	Practical	Duration (Hours)	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15ME61	Finite Element Analysis		3	2	0	03	80	20	100	4
2	15ME62	Computer integrated Manufacturing		4	0	0	03	80	20	100	4
3	15ME63	Heat Transfer		3	2	0	03	80	20	100	4
4	15ME64	Design of Machine Elements -II		3	2	0	03	80	20	100	4
5	15ME65X	Professional Elective-II		3	0	0	03	80	20	100	3
6	15ME66X	Open Elective-II		3	0	0	03	80	20	100	3
7	15MEL67	Heat Transfer Lab		1	0	2	03	80	20	100	2
8	15MEL68	Modeling and Analysis Lab(FEA)		1	0	2	03	80	20	100	2
		TOTAL		21	6	04		640	160	800	26
Pr	ofessional El	lective-II	Open Elec	tive-II							
15	5ME651	Computational Fluid Dynamics	15ME661	Ener	gy Auditing						
15	5ME652	Mechanics of Composite Materials	15ME662	Indu	strial Safety						
1.	5ME653	Metal Forming	15ME663	Main	ntenance Eng	gineering					
1:	5ME654	Tool Design	15ME664	Tota	l Quality Ma	anagement					
1	5ME655	Automobile Engineering		4-1							

### VI SEMESTER

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

Professional Elective: Elective relevant to chosen specialization/ branch
 OpenElective: Electives from other technical and/or emerging subject areas.

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



**B.E. Mechanical Engineering** 

### VIII SEMESTER

		Teach	ning Hours	/Week			Credits			
SI. No	Subject Code	Title	Lecture	Tutorial	Practical	Duration (Hours)	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15ME81	Operations Research	3	2	0	03	80	20	100	4
2	15ME82	Additive Manufacturing	4	0	0	03	80	20	100	4
3	15ME83X	Professional Elective - V	3	0	0	03	80	20	100	3
4	15ME84	Internship / Professional Practice	In	dustry Orie	nted	03	50	50	100	2
5	15ME85	Project Phase – II		6	•	03	100	100	200	6
6	15MES86	Seminar		4	•	-	-	100	100	1
		TOTAL	10	12			390	310	700	20

Professiona	I Elective-V
15ME831	Cryogenics
15ME832	Experimental Stress Analysis
15ME833	Theory of Plasticity
15ME834	Green Manufacturing
15ME835	Product life cycle management

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

2. Professional Elective: Elective relevant to chosen specialization/ branch

3. Internship / Professional Practice: To be carried out between 6<sup>th</sup> & 7<sup>th</sup> semester vacation or 7<sup>th</sup> & 8<sup>th</sup> semester vacation.

ation. Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



REGULATIONS GOVERNING

THE DEGREE OF BACHELOR OF ENGINEERING/ TECHNOLOGY (B.E/B.Tech)

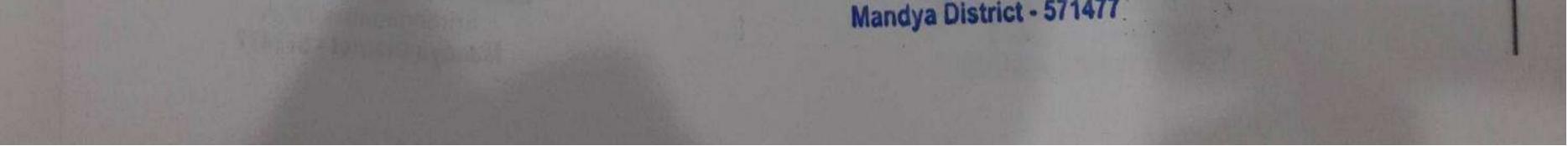
UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

Effective from the academic year 2017-18

### Annexure -1

			SEMESTER B.E./B	redit System ( Tech. (PHYSICS	S GROUI	ching		Framina	tion	T	-
SI. No	Course Code	Course Title	Teaching Department	Board	Theory	Practical/	Duration in bours	SEE Marks		Total Marks	Credits
1	17MATL1	Engineering Mathematics	Mathematics	Basic Science	04	( <b>e</b> *	03	60	40	100	4
	States and	-I Engineering Physics	Physics	Basic Science	04	***	03	60	40	100	4
2	17PHY12 17CTV13	Elements of Civil Engineering and Mechanics	Civil Engineering	Civil Engineering	04	-	03	60	40	100	4
4	17EME14	Elements of Mechanical Engineering	Mechanical Engineering	Mechanical Engineering	04		03	60	40	100	4
5	17ELE17	Basic Electrical Engineering	E and E Engineering	E and E Engineering	04		03	60	40	100	4
6	17WSL16	Workshop Practice	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	02Hour	Instruction Practical	03	60	40	100	2
7	17PHYL17	Engineering Physics Laboratory	Physics	Basic Science	UNDERSONAL POINT OF ST	Instruction Practical	03	60	40	100	2
8	ITENGIS	Language - English (Audit Course)	Humanities		01		-	-		-	-
			S.	TOTAL	I THREE STATES AND STATES	al: 06 hours	21	420	280	700	2
		П	SEMESTER B.E./	Tech. (CHEMIS	STRY GI	OUP)				-	T
1	17MAT21	Engineering Mathematics	Mathematics	Basic Science	04		03	60	40	100	
2	17CHE22	Engineering Chemistry	Chemistry	Basic Science	04		03	60	40	10	0
3	17PCD23	Programming in C and Data Structures	Any Engineering Department	Computer Science and Engineering	04	#	03	60	40	10	0
4	17CED24	Computer Aided Engineering Drawing	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	ET DECORATE AND	r Instruction or Practice	03	60	40	10	x
5	17ELN25	Basic Electronics	ECE/EEE/TC/E and L	E and C Engineering	04		03	60	40	1	co
6	17CPL26	Computer Programming Laboratory	Any Engineering Department	Computer Science and Engineering	200 P. 20	ur Tutorial ur Practical	03	60	40		00
7	I7CHEL27	Engineering Chemistry Laboratory	Chemistry	Basic Science	States and States and States and	or Totorial or Practical	03	6	) 40	0 1	00
8	17CTV28	Environmental Studies (Audit Course)	Civil/ Environmental Engineering	Civil Engineering	01Tu	torial	-	3	0 2	0	50

Maharaja Institute of Technology Mysore 21Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



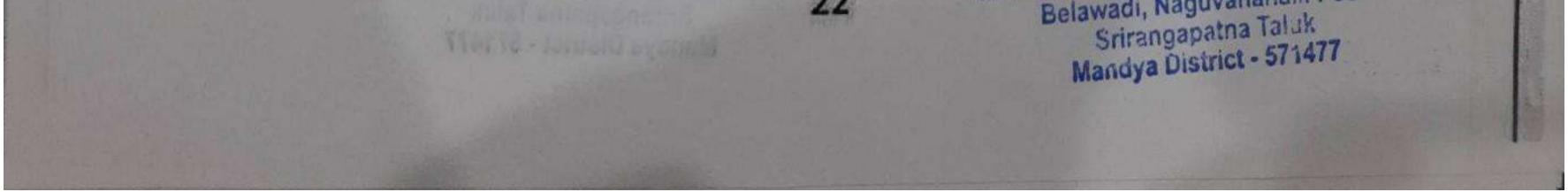
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### **REGULATIONS GOVERNING** THE DEGREE OF BACHELOR OF ENGINEERING/ TECHNOLOGY (B.E/B.Tech) UNDER CHOICE BASED CREDIT SYSTEM (CBCS) Effective from the academic year 2017-18

1	15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Credit System	(CBCS)	Junior March		1000	-		_
F		1	SEMESTER B.E./	Tech (CHEMIS	and the second se		1			-	Т
l	in the second		-		and the second se	eaching ans AVeek	-	Exam	ination		-
	SL Course Cod	e Course Title	Teaching Department	Board	Theory	Practical/ Drawing	Duradoe in hours	SEE Marks	CIE Marks	Total Marks	
	1 17MATH	Engineering Mathematics -I	Mathematics	Basic Science	04	**	03	60	40	100	t
100	2 17CHE12	Engineering Chemistry	Chemistry	Basic Science	04	-	03	60	40	100	T
-	3 17PCD13	Programming in C and Data Structures	Any Engineering Department	Computer Science and Engineering	04	**	03	60	40	100	
1	1 17CED14	Computer Aided Engineering Drawing	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	02Hour 04Hour	Instruction Practice	03	60	40	100	
(M)	ITELNI7	Basic Electronics	ECE/EEE/TC/E and I.	E and C Engincering	04	2	03	60	40	100	
6	17CPL16	Computer Programming Laboratory	Any Engineering Department	Computer Science and Engineering	01Hour 02Hour I		03	60	40	100	
7	17CHEL17	Engineering Chemistry Laboratory	Chemistry	Basic Science	01Hour Tutorial 02Hour Practical		03	60	40	100	
8	17CIV18	Environmental Studies (Audit Course)	Civil/ Environmental Engineering	Civil Engineering	01HourT	utorial	Z	30	20	50	
				TOTAL	Theory: Practical	21 hours 1: 08 hours	21	450	300	750	
			SEMESTER B.E.A	Tech (PHVSIC)	S CROUP						
	17MAT21	Engineering Mathematics -II	Mathematics	Basic Science	04	*	03	60	40	100	T
	17PHY22	Engineering Physics	Physics	Basic Science	04		03	60	40	100	T
	17CIV23	Elements of Civil Engineering and Mechanics	Civil Engineering	Civil Engineering	04	4	03	60	40	100	
	17EME24	Elements of Mechanical Engineering	Mechanical Engineering	Mechanical Engineering	04	**	03	60	40	100	
	I7ELE25	Basic Electrical Engineering	E and E Engineering	E and E Engincering	04		03	60	40	100	
	17WSL26	Workshop Practice	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	02-Hour	and the second second	03	60	40	100	
1	TIPHYS / I	Engineering Physics Laboratory	Physics	Basic Science	01-Hour 02-Hour	Instruction Practical	03	60.	40	100	
T	12ENG28	Language - English (Audit Course)	Humanities	The second se	01		1		-	1	
				the state of	Theory:2	1 hours	21	420	280	700	

### Annexure -1

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REGULATIONS GOVERNING THE DEGREE OF BACHELOR OF ENGINEERING/TECHNOLOGY (B.E/B.Tech) UNDER CHOICE BASED CREDIT SYSTEM (CBCS) Effective from the scademic year 2017-18

Annexure -1

			B.E./B.Tech	-	and the						
III S	EMESTER			-		11 AR. 1	1	Examin	ation		
SL No	Course Code	Course	Course Title	Teaching Department	Coord	Fractical Drawing Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	17MAT31	Core Course	Engineering Mathematics-III		04		03	60	40	100	4
2	17XX32	Core Course			04		03	60	40	100	4
3	17XX33	Core Course		and the second	04		03	60	40	100	4
4	17XX34	Core Course			04		03	60	40	100	4
5	17XX35	Core Course			04		03	60	40	100	4
6	17XX36	Foundation Course			03		03	60	40	100	3
1	17XXL37	Laboratory			01-Hour Instruction 02-Hour Practical		03	60	40	100	2
8	17XXL38	Laboratory			01-Hour Instruction 02-Hour Practical		03	60	40	100	2
9	17KL/CPH39/49	Core Course	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	0
	- and the second	And and	A Constant of the second s		Theory:24		25	510	340	850	2
			Ť	OTAL	Practical:		43	210	240	000	1.
Fou Kar Con	id discipline of study. ndation Course: The mada/Constitution of stitution of India, Prof. Bt Course:	courses based up f India, Professio fessional Ethics ar	to be compulsorily studied on the content that leads to onal Ethics and Human F od Human Rights in cycle lidates) have to register for	o Knowl lights: 5 based co	edge enhance 0 % of the pl acept during	ement. rograms of the ln HI and IV semes	stitution ha sters.	ive lo lea	ch Kaan		In 10
	17MATDIP31		onal Mathamatics - I		03		03	60	-	60	T

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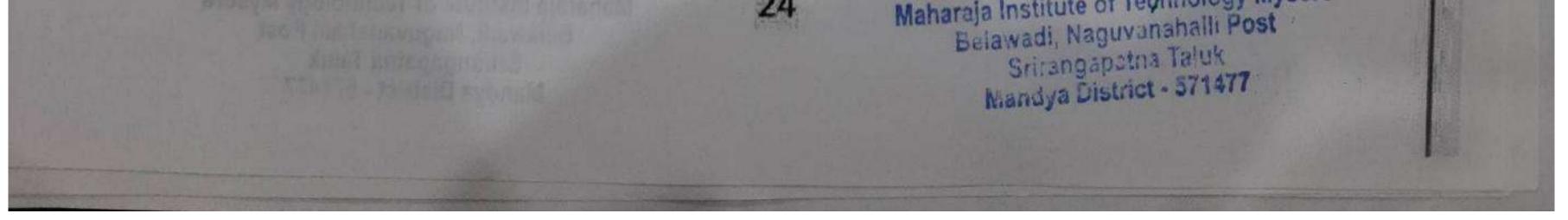
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## Visvesvaraya Technological University, Belagavi **REGULATIONS GOVERNING** THE DEGREE OF BACHELOR OF ENGINEERING/ TECHNOLOGY (B.E/B.Tech) UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

Effective from the academic year 2017-18

Annexure -1 (page -4)

			B.E./B.Tech								
IVS	EMESTER			-				Prese	Incline		Т
SI. No	Course Code	Course	Course Title	Teaching Department	20Ch	Practical/ Drawing Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17MAT41	Core Course	Engineering Mathematics-IV		04		03	60	40	100	
2	17XX42	Core Course		1	04	-	03	60	40	100	-
3	17XX43	Core Course		1	04	7.44	03	60	40	100	1
4	17XX44	Core Course	and the second s	1	04	e <b>r</b> .	03	60	40	100	
5	17XX45	Core Course			04	14	03	60	40	100	1
6	17XX45	Foundation Course			03		03	60	40	100	100
7	17XXL47	Laboratory			01-Hour Ins 02-Hour Pro	Contraction of the second s	03	60	40	100	1
8	17XXL48	Laboratory		1	01-Hour Ins 02-Hour Pra		03	60	40	100	1000
9	17KL/CPH39/49	Core Course	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	0
		<u></u>	T		Theory:24h Practical: 0		25	510	340	850	2
t said d Founds Kannse Constitu adit C	liscipline of study. ation Course: The de/Constitution of ation of India, Profe- ourse:	courses based upor India, Profession essional Ethics and	be compulsorily studied h a the content that leads to al Ethics and Human Ri Human Rights in cycle bu dates) have to register for	Knowled ghts: 50 ased cond	lge enhancen % of the pro cept during li	nent. grams of the Institu II and IV semester:	ution have s.	lo leac	h Kannac		R.ITH
	MATDIP41	Addition	al Mathamatics - II		03		03	60	12	60	1



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**REGULATIONS GOVERNING** 

THE DEGREE OF BACHELOR OF ENGINEERING/ TECHNOLOGY (B.E/B.Tech)

UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

Effective from the academic year 2017-18

Annexure -1 (page -5)

			B.E./B.Tech	L	-					and the second		_
VSE	MESTER				-	Teachli	g Hours /Week	T	Exami	nation		
SI. No	Course Code	Course	Course Th	tle	Teaching Department	Theory	Practical/ Drawing	Duration in bours	SEE Marks	CIE Marks	Total Marks	Credits
1	17XX51	Core Course	Management and Entrepreneurship Excluding CSE, E EV Programs. (The course must b to Management and Entrepreneurship.) the title and syllabs can be as per the pure requirement).	e related d However, us content		04		03	60 60	40	100	4
2	17XX52	Core Course		1		04		03	60	40	100	
3	17XX53	Core Course			-	04		03	60	40	100	1
4	17XX54	Core Course			1	04	general sectors and the sector of the sector	1.10	COST.	(3)	T State	
5	17XXSSX	Professional Elective	and the second second	- mart	i ant	03	*	03	60	40	100	
6	17XX56Y	Open Elective	and the state of the second second	and the second		03		03	60	40	100	3
7	17XXL57	Laboratory				01-Hour 1 02-Hour F	and the second se	03	60	40	100	2
8	17XXL58	Laboratory			1	01-Hour I 02-Hour P		03	60	40	100	2
10.0				Т	OTAL	Theory 12 Practical:		24	480	320	100	2
			and the second second	E	lectives	1	The second s	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				
	Pr	ofessional Elective	•	and the second	10	fered by th	Open Elective Department of	12				
Code	es under 17XX55X	Cours	e Title	Courses a Code 173	X56Y			Course T	itle			
1.02	XXSSI			17XX56	Banking	-		e de parte				-
	XX552	177-55 " 815			Company of the	C. C. C.		94910			the second second	-
125	XX553		<u>e 22 ( 5</u>	17XX56						-	CH TO M	
Stu	pen elective is The candida The candida	not allowed, if; ie has no pre – req ie has studied simi	ler content course du	y any Depa ring previo	riment (	sicrs.	to consolidated list	ar <u>a</u> r 11a	ANA A		). Select	OB

Professional Elective: Electives relevant to chosen specialization/ branch.
 Open Elective: Electives from other technical and/ or emerging subject areas.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Srirangapatna Taluk

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REGULATIONS GOVERNING THE DEGREE OF BACHELOR OF ENGINEERING/TECHNOLOGY (B.E/B.Tech) UNDER CHOICE BASED CREDIT SYSTEM (CBCS) Effective from the academic year 2017–18

Annexure -1 (page -6)

		VISVESVA	RAYA TEC Scheme	HNOLOGI of Teaching and olce Based Cred	ALAPL REAL AS 1	THE REPORT	10 TO 10 TO 10 TO 10	SELA	GAV	<b>.</b>		
			B.E./B.Te	3- X5010 1 4 1 4	an a	1.4				-	Ante	
VISE	MESTER			alle sugar		Teaching	Hours /Week	T	Exami	nation	-	
SI. No	Course Code	Course	Course	Title	Teaching Department	Theory	Practical	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	17XX61	Core Course	Management and I Excluding CSE, I Programs. (The course must I Management and Entrepreneurship, title and syllabus of per the programme	ISE and EV be related to However, the content can be as		04		03	60	40	100	4
2	17XX62	Core Course	Pra une programme	· · · · · · · · · · · · · · · · · · ·	Lange and	04	**	03	60	40	100	4
3	17XX63	Core Course			Sec. and	04	••	03	60	40	100	4
4	17XX64	Core Course				04		03	60	40	100	4
5	17XX65X	Professional Elective				03		03	60	40	100	3
5	17XX66Y	Open Elective	A second s	and the second second		03	1977	03	<b>50</b>	40	100	3
7	17XXL67	Laboratory				01-Hour la 02-Hour P	Note California and Anna and A	03	60	40	100	2
8	17XXL68	Laboratory				01-Hour li 02-Hour P		03	60	40	100	2
				T	OTAL	Theory:22 Practical:		24	480	320	300	26
		the second second second	Care and the second state of the	Elect	ilves	The second	And States					
	P	rofessional Electi	YE		Offere	d by the De	Open Elective					
Contraction (Contraction)	es moder 17XX65X	Con	rse Title	Courses unde Code 17XX66	e <b>r</b>			Course Ti	itle			
	XX651			17XX661				an Article State		ne ne e	12.2	
17	XX652			17XX662	2017. A	and and there are	antenan later -					
-	XX653		T.	17XX663				1. 199	and the second			
- Contraction	XX654		and the first of the second	17XX664					-			

Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Selection of an open elective is not allowed, if;

The candidate has no pre - requisite knowledge.

The candidate has studied similer content course during previous semesters.

The syllabus content of open elective is similar to that of Departmental core course(s) or to be studied professional elective(s).

Registration to electives shall be documented under the guidance of Programme Coordinator and Adviser.

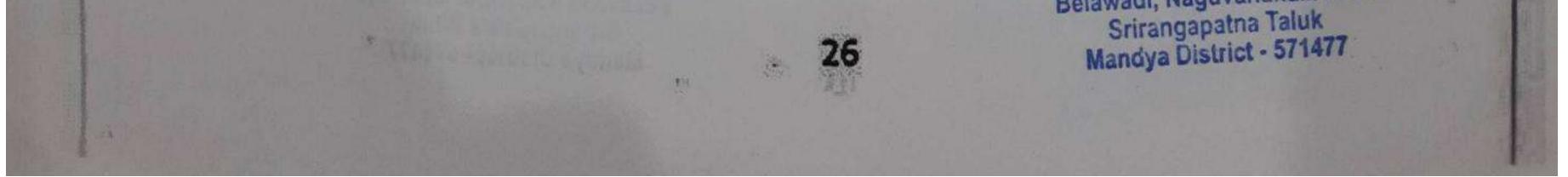
1. Core subject: This is the course, which is to be computerily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

2. Professional Elective: Electives relevant to chosen specialization/ branch.

3. Open Elective: Electives from other technical and/ or emerging subject areas.

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## Visvesvaraya Technological University, Belagavi REGULATIONS GOVERNING THE DEGREE OF BACHELOR OF ENGINEERING/ TECHNOLOGY (B.E/B.Tech) UNDER CHOICE BASED CREDIT SYSTEM (CBCS) Effective from the academic year 2017–18

Annexure -1 (page -7)

	V	ISVESVA	RAYA TECHNO Scheme of Teach Choice Bas	LOGIC along and Ex	amination	2017-2018	BELA	GAV	VI		
			B.E./B.Tech		A STREET, STREE						
VII S	EMESTER	and the second s							-		_
	1232277				Teachin	g Hours /Week		Exami	nation	-	
SL. No	Course Code	Course	Course Title	Teaching Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	17XX71	Core Course			04	44	03	60	40	100	4
2	17XX72	Core Course			04		03	60	40	100	4
3	17XX73	Core Course			04	÷*	03	60	40	100	4
4	17XX74 X	Professional Elective			03	et in	03	60	40	100	3
5	17XX75Y	Professional Elective			03	/ <del>4+</del> ();	03	60	40	100	3
6	17XX1.76	Laboratory			01-Hour In 02-Hour P		03	60	40	100	2
7	17XX1.77	Laboratory			01-Hour In 02-Hour P	CONTRACTOR OF THE	03	60	40	100	2
8	17XXP78	Core Course	Project Phase - I and Project seminar			03		7	100	100	2
				TOTAL	Theory:18 Practical a hours	hours and Project: 09	21	420	380	800	2
	e zienza antea.		<u> </u>	Electives		********					-
-		Professional El	lective	1		Profession	al Electiv	'e		000	100
	es under 17XX74X	(	Course Title	Courses Code 17	CARSEN DORMOON ST		Cours	z 18le			
7	XX741	Contraction of Contraction		17XX7	53						
17	XX742	·····		17XX7	52			and a state	1775		1000
17	XX743	and a second		17XX7	53						
17	XX744			17XX7	54		a second and a second		In State State	1 contraction	

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

2. Professional Elective: Electives relevant to chosen specialization/ branch.

3. Project Phase - I and Project seminar: Comprises of Literature Survey, Problem identification, Objectives and Methodology. CIE marks shall be based on the report covering Literature Survey, Problem identification, Objectives and Methodology and seminar presentation skill.

Srirangapatna Taluk Mandya District - 571477



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REGULATIONS GOVERNING THE DEGREE OF BACHELOR OF ENGINEERING/ TECHNOLOGY (B.E/B.Tech) UNDER CHOICE BASED CREDIT SYSTEM (CBCS) Effective from the academic year 2017–18

Annexure -1 (page -8)

			B.E./B.Tech	_							_
VIII	SEMESTER	1	1	1	Teachir	g Hours /Week		Exami	ination	-	Γ
SL. No	Course Code	Course	Course Title	Teaching Department	Theory	Practical	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credite
1	170201	Core Course			04	244	03	60	40	100	4
-	17XX81	Construction of the second			04		03	60	40	100	4
3	17XX82 17XX83X	Core Course Professional Elective			03	3 <b>**</b> ,	03	60	40	100	3
4	17XX84	Core Course	Internship/ Professional Practice		Working h of Interns	ours of the place ship	03	50	50	100	2
5	17XXP85	Core Course	Project work Phase -II		-	06	03	100	100	200	6
6	17XXS86	Core Course	Technical Seminar			04	-		100	100	1
	Inclus			TOTAL	Theory:11 Project an hours	l hours Id Seminar: 10	15	390	310	700	20
-	All and the		Profe	ssional El	ectives						
	es under 7XX83X				Course Title	1			-2-10-		
	XX831						-	-	4	14.1.	-
172	XX832			AND STREET						-	
172	KX833					an martin de co	CHARTER -			-	200
173	CX834		hich is to be compulsorily studies	an Tran		and the second second second	and the state	20.000		12000	

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### **B.E: CIVIL ENGINEERING**

	SEMESTER		Teaching	Teaching	Hours /Week		Exami	nation		Credits
SI. No.	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17MAT31	Engineering Mathematics	Maths	04		03	60	40	100	4
2	17CV32	Strength of Materials	Civil Engg.	04		03	60	40	100	4
3	17CV33	Fluid Mechanics	Civil Engg.	04		03	60	40	100	4
4	17CV34	Basic Surveying	Civil Engg.	04		03	60	40	100	4
5	17CV35	Engineering Geology	Civil Engg.	04		03	60	40	100	3
6	17CV36	Building Materials and Construction	Civil Engg.	03		03	60	40	100	4
7	17CVL37	Building Materials Testing Laboratory	Civil Engg.	01-Hour In 02-Hour P		03	60	40	100	2
8	17CVL38	Basic Surveying Practice	Civil Engg.	01-Hour In 02-Hour P	struction	03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	01
		TOTAL		and the second	al: 06 hours	25	510	340	850	28

1. Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

### 2. Audit Course:

III SEMESTER

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - I, which is 03 contact hours per week.

1	17MATDIP31	Additional Mathematics –I	Maths	03		03	60		60	
a r	anguage English (A	Audit Course) be compulsorily studied b	v all lateral entry studen	uts (except B	Sc candidates)	A	t.	~		
, _	anguage English (7	suan course, be comparisonny staated o	y an intern chiry states	in (every is.	so culture and s	raja Institute Belawadi, Na	topat un	Nusona		
					Maha	raja Institute/ Belawadi, Na	guvanahalli i	Post		
				4		Sriranga Mandya D	nama lalua			Γ
						marraya				



### **B.E: CIVIL ENGINEERING**

IV SE	MESTER		Teaching	Teaching He	ours /Week		Exami	ination	A DECEMBER OF	Credit
SI. No.	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17MAT41	Engineering Mathematics –IV*	Maths	04		03	60	40	100	4
2	17CV42	Analysis of Determinate Structures	Civil Engg.	04		03	60	40	100	3
3	17CV43	Applied Hydraulics	Civil Engg.	04	1000	03	60	40	100	4
4	17CV44	Concrete Technology	Civil Engg.	04		03	60	40	100	4
5	17CV45	Basic Geotechnical Engineering	Civil Engg.	04		03	60	40	100	4
6	17CV46	Advanced Surveying	Civil Engg.	03		03	60	40	100	4
7	17CVL47	Fluid Mechanics Laboratory	Civil Engg.	01-Hour Instru 02-Hour Pract		03	60	40	100	2
8	17CVL48	Engineering Geology Laboratory	Civil Engg.	01-Hour Instru 02-Hour Pract		03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	01
		A THE REPORT OF THE PARTY OF THE PARTY OF	TOTAL	Theory: 24 Practical: 06		25	510	340	850	28

1. Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

### 2.Audit Course:

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - II, which is 03 contact hours per week.

1	17MATDIP41	Additional Mathematics –II	Maths	03		03	60		60	
(ii) Lar	nguage English (Audit	Course) be compulsorily studied by all later	al entry students (	except B.Sc can 5	lidates)		wadi, Naguv Sriranganat	anahalli Post		
	4					Mi	andya Distri	ct - 571477	-	



### **B.E: CIVIL ENGINEERING**

	MESTER		Teaching Department	Teaching Hours /Week				Credits		
SI. No.	Course Code	Title		Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CV51	Design of RC Structural Elements	Civil Engg.	04		03	60	40	100	4
2	17CV52	Analysis of Indeterminate Structures	Civil Engg.	04		03	60	40	100	4
3	17CV53	Applied Geotechnical Engineering	Civil Engg.	04		03	60	40	100	4
4	17CV54	Computer Aided Building Planning and Drawing	Civil Engg.	04	Retain 1	03	60	40	100	4
5	17CV55X	Professional Elective-1	Civil Engg.	03		03	60	40	100	3
6	17CV56X	Open Elective-1	Civil Engg.	03		03	60	40	100	3
7	17CVL57	Geotechnical Engineering Laboratory	Civil Engg.	01-Hour In 02-Hour P		03	60	40	100	2
8	17CVL58	Concrete and Highway Materials Laboratory	Civil Engg.	01-Hour I 02-Hour P		03	60	40	100	2
			TOTAL	Theory: Practical:	22hours : 06 hours	24	480	320	800	26

#### **V SEMESTER**

Professions	d Elective-1	Open Electi	ive - 1*** (List offered by Civil Engg Board only)
17CV551	Air pollution and Control	17CV561	Traffic Engineering
17CV552	Railways, Harbours, tunneling and Airports	17CV562	Sustainability Concepts in Engineering
17CV553	Masonry Structures	17CV563	Remote Sensing and GIS
17CV554	Theory of Elasticity	17CV563	Occupational Health and Safety
		17CV563	NCC

\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Selection of an open elective is not allowed, if:

The callulate has studied similar content course during previous semesters.
 The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional electives shall be documented under the guidance of Programme Coordinator and Adviser.
 Maharaja Institute of Technology M
 Mandya District - 571477

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### **B.E: CIVIL ENGINEERING**

SI.	Course	Trial	Teaching Department	Teaching Hours /Week				Credit		
No.	Code	Title		Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CV61	Construction Management and Entrepreneurship	Civil Engg.	04		03	60	40	100	4
2	17CV62	Design of Steel Structural Elements	Civil Engg.	04		03	60	40	100	4
3	17CV63	Highway Engineering	Civil Engg.	04		03	60	40	100	4
4	17CV64	Water Supply and Treatment Engineering	Civil Engg.	04		03	60	40	100	4
5	17CV65X	Professional Elective-2	Civil Engg.	03	Real Provide	03	60	40	100	3
6	17CV66X	Open Elective-2	Civil Engg.	03		03	60	40	100	3
7	17CVL67	Software Application Laboratory	Civil Engg.	01-Hour I 02-Hour I	nstruction Practical	03	60	40	100	2
8	17CVL68	Extensive Survey Project /Camp	Civil Engg.	01-Hour I 02-Hour I	Instruction Practical	03	60	40	100	2
			TOTAL	Theory:2 Practical	2hours : 06 hours	24	480	320	800	26

Professiona	I Elective-2	Open Electiv	e - 2*** (List offered by Civil Engg Board only)	
17CV651	Solid Waste Management	17CV661	Water Resource Management	
17CV652	Matrix Method of Structural Analysis	17CV662	Environmental Protection and Management	A PARLA
17CV653	Alternative Building Materials	17CV663	Numerical Methods and Applications	
17CV654	Ground Improvement Techniques	17CV664	Finite Element Analysis	

\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Selection of an open elective is not allowed, if:

• The candidate has no pre – requisite knowledge.

· The candidate has studied similar content course during previous semesters.

• The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s). Registration to open electives shall be documented under the guidance of Programme Coordinator and Adviser.

tives). Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Scirangapatna Taluk (s). Mandya District - 571477



### **B.E: CIVIL ENGINEERING**

	MESTER		Teaching	Teaching	Hours /Week		Examina	ation		Credits
SI. No.	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	٢
1	17CV71	Municipal and Industrial Waste Water Engineering	Civil Engg.	04		03	60	40	100	4
2	17CV72	Design of RCC and Steel Structures	Civil Engg.	04		03	60	40	100	4
3	17CV73	Hydrology and Irrigation Engineering	Civil Engg.	04		03	60	40	100	4
4	17CV74X	Professional Elective-3	Civil Engg.	03		03	60	40	100	3
5	17CV75X	Professional Elective-4	Civil Engg.	03		03	60	40	100	3
6	17CVL76	Environmental Engineering Laboratory	Civil Engg.	01-Hour In 02-Hour P		03	60	40	100	2
7	17CVL77	Computer Aided Detailing of Structures	Civil Engg.	01-Hour II 02-Hour P		03	60	40	100	2
8	17CVP78	Project Work Phase-I + Project work Seminar	Civil Engg.		03			100	100	2
		TOTAL		Theory:13 Practical 09 hours	and Project:	21	420	380	800	24

Professional	Elective-3	Professiona	al Elective-4	_ 1 1 /
17CV741	Design of Bridges	17CV751	Urban Transportation and Planning	Accella i
17CV742	Ground Water & Hydraulics	17CV752	Prefabricated Structures	Unincipal Technology Mysore
17CV743	Design Concept of Building Services	17CV753	Prefabricated Structures           Rehabilitation and Retrofitting of Structures	Belawadi, Naguvanahalli Post
17CV744	Structural Dynamics	17CV754	Reinforced Earth Structures	Srirangapatna Taluk

1. Project Phase – I and Project Seminar: Comprises of Literature Survey, Problem identification, Objectives and Methodology. CIE marks shall be based on the report covering Literature Survey, Problem identification, Objectives and Methodology and Seminar presentation skill.



### **B.E: CIVIL ENGINEERING**

### VIII SEMESTER

			Teaching	Teaching	g Hours /Week		Examin	ation		Credits
Sl. No.	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CV81	Quantity Surveying and Contracts Management	Civil Engg.	4	-	3	60	40	100	4
2	17CV82	Design of Pre Stressed Concrete Elements	Civil Engg.	4	-	3	60	40	100	4

317CV83XProfessional Elective-5Civil Engg.3-36040100417CV84Internship/ Professional PracticeCivil Engg.Industry Oriented35050100517CVP85Project Work-IICivil Engg63100100200617CVS86Seminar on current trends in Engineering and TechnologyCivil Engg4100100			TOTAL		Theory: Project a 10 hours	nd Seminar:	15	330	370	700	20
4     17CV84     Internship/Professional Practice     Civil Engg.     Industry Oriented     3     50     50     100	j	17CVS86		Civil Engg.	-	4	-		100	100	1
4     17CV84     Internship/Professional     Civil Engg.     Industry Oriented     3     50     50     100	5	17CVP85	Project Work-II	Civil Engg.		6	3	100	100	200	6
3         17CV83X         Professional Elective-5         Civil Engg.         3         -         3         60         40         100	1	17CV84		Civil Engg.	Indus	try Oriented	3	50	50	100	2
	3	17CV83X	Professional Elective-5	Civil Engg.	3	-	3	60	40	100	3

Profession	al Elective -5	
17CV831	Earthquake Engineering	
17CV832	Hydraulic Structures	241
17CV833	Pavement Design	
17CV834	Advanced Foundation Design	

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Belawadi, Naguvanahalli Post
Belawadi, Naguvanahalli Post
Srirangapatna Taluk
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Srirangapatna Taluk
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### SCHEME OF TEACHING AND EXAMINATION

B.E Electronics & Communication Engineering / Telecommunication Engineering (Common to Electronics & Communication and Telecommunication Engineering)

	SEMESTER		Teaching	Teaching	Hours /Week		Examin	nation		Credits
SI. No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17MAT31	Engineering Mathematics –III*	Maths	04		03	60	40	100	4
2	17EC32	Electronic Instrumentation	EC	03		03	60	40	100	3
3	17EC33	Analog Electronics	EC	04	TOTAL T	03	60	40	100	Γ4
4	17EC34	Digital Electronics	EC	04		03	60	40	100	4
5	17EC35	Network Analysis	EC	• 04		03	60	40	100	4
6	17EC36	Engineering Electromagnetics	EC	04		03	60	40	100	4
7	17ECL37	Analog Electronics Lab	EC	01-Hour In 02-Hour P		03	60	40	100	2
8	17ECL38	Digital Electronics Lab	EC	01-Hour I 02-Hour I		03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	0
		TOTAL			ry: 24hours cal: 06 hours	25	510	340	850	2

1.Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

### 2. Audit Course:

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - I, which is 03 contact hours per week.

17MA	ATDIP31	Additional Mathematics –I	Maths	03	03	60	h	60	
Language	English (Audit	t Course) be compulsorily studied by all	l lateral entry stude	ents (except B.Sc candid	dates)		Beeer	ul :- du	
							Principal		
					M	aharaja Institu	ute of Techno	alli Post	



### B.E Electronics & Communication Engineering / Telecommunication Engineering (Common to Electronics & Communication and Telecommunication Engineering)

V SE	MESTER			Teaching	Hours /Week		Examina	tion		Credits
SI. No	Course Code	Title	Teaching Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
110	A State States			04		03	60	40	100	4
1	17MAT41	Engineering Mathematics -IV*	Maths	04			60	40	100	4
2	17EC42	Signals and Systems	EC	04		03			100	4
3	17EC43	Control Systems	EC	04	All and a	03	60	40	100	
		Principles of Communication	EC	04 .		03	60	40	100	4
4	17EC44	Systems		04		03	60	40	100	4
5	17EC45	Linear Integrated Circuits	EC	04			60	40	100	3
6	17EC46	Microprocessor	EC	03	212-	03	00	40		2
7	17ECL47	Microprocessor Lab	EC	01-Hour Ins 02-Hour Pra		03	60	40	100	2
8	17ECL48	Linear ICs and Communication Lab	EC	01-Hour Ins 02-Hour Pra		03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human	Humanities	01		01	30	20	50	01
		TOTAL		Theory: 2 Practical: 0		25	510	340	850	28

1. Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - II, which is 03 contact hours per week.

1	17MATDIP41	Additional Mathematics –II	Maths	03	03	Maharaja Institute of Teccionalli Post
(ii) La	nguage English (Au	dit Course) be compulsorily studied by a	all lateral entry stude	nts (except B.Sc candid	dates)	Srirangapatna - 571477 Mandya District - 571477

(ii) Language English (Audit Course) be compulsorily studied by all lateral entry students (except B.Sc candidates)



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	10001	and the		20	 AL.	IX .

## **B.E.: Electronics & Communication Engineering**

SI. No	Course Code	Title	Teaching Department	Teaching /Week	g Hours	Examination				Credits
	10000			Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17ES51	Management and Entrepreneurship Development	EC	04			(0)			
2	17EC52	Digital Signal Processing		04		03	60	40	100	4
3	175052		EC	04		03	60	40	100	4
	17EC53	Verilog HDL	EC	04	A CALLER OF	03	60	40	100	1
4	17EC54	Information Theory & Coding	EC	04		03	60		THE GAR	4
5	17EC55X	Professional Elective-1		04		03	00	40	100	4
		Troressional Elective-1	EC	03		03	60	40	100	3
6	17EC56X	Open Elective-1	EC	03		03	60	40	100	3
7	17ECL57	DSP Lab	EC	01-Hour I 02-Hour I	nstruction Practical	03	60	40	100	2
8	17ECL58	HDL Lab	EC	01-Hour I 02-Hour I	nstruction Practical	03	60	40	100	2
		TOTAL		(1) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	22hours : 06 hours	24	480	320	800	26

Professiona	al Elective-1	Open Elective - 1*** (List offered by EC/TC Board only				
17EC551	Nanoelectronics	17EC561	Automotive Electronics			
17EC552	Switching & Finite Automata Theory	17EC562	Object Oriented Programming Using C++			
17EC553	Operating System	17EC563	8051 Microcontroller			
17EC554	Electrical Engineering Materials					
17EC555	MSP430 Microcontroller					

\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Selection of an open elective is not allowed, it:
The candidate has no pre – requisite knowledge.
The candidate has studied similar content course during previous semesters.
The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s).
Registration to open electives shall be documented under the guidance of Programme Coordinator and Adviser.
Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Srirangapatna Taluk Mandya District - 571477



**B.E.: Electronics & Communication Engineering** 

VIS	EMESTER		Teaching Department		ng Hours /eek	Examination				Credits
No	Code	Title		Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17EC61	Digital Communication	EC	04		03	60	40	100	4
2	17EC62	ARM Microcontroller & Embedded Systems	EC	04		03	60	40	100	4
3	17EC63	VLSI Design	EC	04		03	60	40	100	4
4	17EC64	Computer Communication Networks	EC	. 04		03	60	40	100	4
5	17EC65X	Professional Elective-2	EC	03		03	60	40	100	3
6	17EC66X	Open Elective-2	EC	03	1	03	60	40	100	3
7	17ECL67	Embedded Controller Lab	· EC	01-Hour Instruction 02-Hour Practical		03	60	40	100	2
8	17ECL68	Computer Networks Lab	EC	01-Hour I 02-Hour F		03	60	40	100	2
*	ter and	TOTAL		Theory: Practical	22hours : 06 hours	24	480	320	800	26

Professional Elective-2		Open Elective – 2*** (List offered by EC/TC Board only)			
	Cellular Mobile Communication	17EC661	Data Structures Using C++		
- HO ROMANNESS	Adaptive Signal Processing	17EC662	Power Electronics (not for E&C students)		
The second	Artificial Neural Networks	17EC663	Digital System Design using Verilog		
17EC654	Digital Switching Systems				
17EC655	Microelectronics				

\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives).

Selection of an open elective is not allowed, if:

· The candidate has no pre - requisite knowledge.

· The candidate has studied similar content course during previous semesters.

The candidate has studied similar content course during previous semesters.
 The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s).
 The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s).
 Principal
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#### VII SEMESTER

# **B.E.:** Electronics & Communication Engineering

SI.	Course Code		Teaching Department		ng Hours Veek		Examina	ntion		Credits
No	course coue	Title		Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17EC71	Microwave and Antennas	EC	04		03	60	40	100	4
2	17EC72	Digital Image Processing	EC	04		03	60	40	100	4
3	17EC73	Power Electronics	EC	04	23.2	03	60	40	100	4
4	17EC74X	Professional Elective-3	EC	03		03	60	40	100	3
5	17EC75X	Professional Elective-4	EC	03		03	60	40	100	3
6	17ECL76	Advanced Communication Lab	EC	01-Hour 02-Hour	Instruction Practical	03	60	40	100	2
7	17ECL77	VLSI Lab	EC	01-Hour 02-Hour	Instruction Practical	03	60	40	100	2
8	17ECP78	Project Work Phase-I + Project work Seminar	EC		03		-	100	100	2
		TOTAL		Practica	18 hours 11 and 09 hours	21	420	380	800	24

Professiona	l Elective-3	Professional	
17EC741	Multimedia Communication	17EC751	DSP Algorithms and Architecture
17EC742	Biomedical Signal Processing	17EC752	IOT and Wireless Sensor Networks
17EC743	Real Time Systems	17EC753	Pattern Recognition
17EC744	Cryptography	17EC754	Advanced Computer Architecture
17EC745	CAD for VLSI	17EC755	Satellite Communication

1. Project Phase – I and Project Seminar: Comprises of Literature Survey, Problem identification, Objectives and Methodology. CIE marks shall be based on the report covering Literature Survey, Problem identification, Objectives and Methodology and Seminar presentation skill.

Pühicipal Maharaja Institute of Technology Mysore 7 Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

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# **B.E.: Electronics & Communication Engineering**

VII	I SEMESTEI		Teaching Department	and the second se	ing Hours Veek		Examin	ation		Credits
SI. No	Course Code	Title		Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
				4	-	3	60	40	100	4
1	17EC81	Wireless Cellular and LTE 4G Broadband	EC						100	4
2	17EC82		EC	4	-	3	60	40	100	4
2	TILCOL	Fiber Optics & Networks				2	60	40	100	3
3	17EC83X	Professional Elective-5	EC	3		3	00	40		
				Industr	y Oriented	3	50	50	100	2
4	17EC84	Internship/Professional Practice	EC	muusu	y offented					
-	1750006		EC	-	6	3	100	100	200	6
5	17ECP85	Project Work	LC					100	100	1
6	17ECS86	Seminar	EC	-	4	-	-	100	100	. 1
		a second with the second se		Theory:	11 hours	15	330	370	700	20
		TOTAL		Project		15	550	370	100	

Profession	al Elective -5
17EC831	Micro Electro Mechanical Systems
17EC832	Speech Processing
17EC833	Radar Engineering
17EC834	Machine learning
17EC835	Network and Cyber Security

4. Internship/ Professional Practice: 4 Weeks internship to be completed between the (VI and VII semester vacation) and/or (VII and VIII semester vacation) and/or (VI iod.

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m	SEMESTER		Teaching	Teaching	Hours /Week		Examin	nation		Credits
SI. No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17MAT31	Engineering Mathematics - III	Maths	04		03	60	40	100	4
2	17CS32	Analog and Digital Electronics	CS/IS	04		03	60	40	100	4
3	17CS33	Data Structures and Applications	CS/IS	04	E and the	03	60	40	100	4
4	17CS34	Computer Organization	CS/IS	04	No.	03	60	40	100	4
5	17CS35	Unix and Shell Programming	CS/IS	03	-	03	60	40	100	3
6	17CS36	Discrete Mathematical Structures	CS/IS	04		03	60	40	100	4
7	17CSL37	Analog and Digital Electronics Laboratory	CS/IS	01-Hour Ins 02-Hour Pr		03	60	40	100	2
8	17CSL38	Data Structures Laboratory	CS/IS	01-Hour Ins 02-Hour Pr		03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	01
	A State of the state	TOTAL			: 24hours al: 06 hours	25	510	340	850	28

# **B.E:** Computer Science and Engineering

1.Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

#### 2. Audit Course:

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - I, which is 03 contact hours per week.

1	17MATDIP31	Additional Mathematics -I	Maths	03	03	60	Action 100 1	**
COL	English (Au	dit Course) he compulsorily studied by	all lateral entry stude	nts (except B.Sc cand	lidates)	Maharaja Institu	uje of Technology Mysore	

(ii) Language English (Audit Course) be comp

Belawadi, Naguvananani Pos Srirangapatna Taluk Mandya District - 571477



# Scheme of Teaching and Examination 2017-2018 Choice Based Credit System (CBCS)

VSE	MESTER				AVaak		Exami	ination		Cred
SI. No	Course Code	Title	Teaching Department	Teaching Ho Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
NO	2 Contraction of the second				Dining	03	60	40	100	4
1	17MAT41	Engineering Mathematics - IV	Maths	04				40	100	3
2	17CS42	Object Oriented Concepts	CS/IS	03	the second second	03	60	40		4
	17CS43	Design and Analysis of Algorithms	CS/IS	04		03	60	40	100	4
3			CS/IS	04		03	60	40	100	4
4	17CS44	Microprocessors and Microcontrollers				03	60	40	100	4
5	17CS45	Software Engineering	CS/IS	04					100	4
6	17CS46	Data Communication	CS/IS	04		03	60	40	100	-
7	17CSL47	Design and Analysis of Algorithm Laboratory	CS/IS	01-Hour Instr 02-Hour Prac		03	60	40	100	2
8	17CSL48	Microprocessors Laboratory	CS/IS	01-Hour Instr 02-Hour Prac		03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	01
			TOTAL	Theory: 24 Practical: 06		25	510	340	850	28

# **B.E:** Computer Science and Engineering

1. Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

#### 2.Audit Course:

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - II, which is 03 contact hours per week.

1	17MATDIP41	Additional Mathematics –II	Maths	03		03	60		60	
) Lar	nguage English (Audit	Course) be compulsorily studied by all lat	eral entry students (e	except B.Sc ca	ndidates)			Phinginal	ul Mysore	
							Maharaja Ins	adi, Naguvana	nology Mysore halli Post Taluk	
				2			S	ndya District	Taluk 571477 .	41



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SI.	Course Code	Title	Teaching Department	Teaching I	Hours /Week		Exami	nation	. PARTER!	Credits
No			The second second	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	2
1	17CS51	Management and Entrepreneurship for IT Industry	CS/IS	04		03	60	40	100	4
2	17CS52	Computer Networks	CS/IS	04		03	60	40	100	4
3	17CS53	Database Management System	CS/IS	04		03	60	40	100	4
4	17CS54	Automata theory and Computability	CS/IS	04	Contraction of the	03	60	40	100	4
5	17CS55x	Professional Elective-1	CS/IS	03		03	60	40	100	3
6	17CS56x	Open Elective-1	CS/IS	03		03	60	40	100	3
7	17CSL57	Computer Network Laboratory	CS/IS	01-Hour In 02-Hour Pr		03	60	40	100	2
8	17CSL58	DBMS Laboratory with mini project	CS/IS	01-Hour In 02-Hour Pr		03	60	40	100	2
			TOTAL	Theory: Practical:		24	480	320	800	26

V SEMESTER

## **B.E:** Computer Science and Engineering

Professiona	al Elective-1	Open Elect	ive – 1*** (List offered by CSE Board only)
17CS551	Object Oriented Modeling and Design	17CS561	Programming in JAVA (Not for CSE/ISE students)
17CS552	Introduction to Software Testing	17CS562	Artificial Intelligence
17CS553	Advanced JAVA and J2EE	17CS563	Embedded Systems
17CS554	Advanced Algorithms	17CS564	Dot Net framework for application development;
		17CS565	Cloud Computing (Not for CSE/ISE students)

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\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Belawadi, Naguvanahalli Post Selection of an open elective is not allowed, if: Srirangapatna Taluk Mandya District - 571477

The candidate has no pre – requisite knowledge.
The candidate has studied similar content course during previous semesters.
The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s).
Registration to open electives shall be documented under the guidance of Programme Coordinator and Adviser.



SI.	Course	the service in the service of the se	Teaching Department		ng Hours Veek		Examin	nation		Credits
No	Code	Title		Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CS61	Cryptography, Network Security and Cyber Law	CS/IS	04		03	60	40	100	4
2	17CS62	Computer Graphics and Visualization	CS/IS	04		03	60	40	100	4
3	17CS63	System Software and Compiler Design	CS/IS	04		03	60	40	100	4
4	17CS64	Operating Systems	CS/IS	04		03	60	40	100	4
5	17CS65x	Professional Elective-2	CS/IS	03		03	60	40	100	3
6	17CS66x	Open Elective-2	CS/IS	03		03	60	40	100	3
7	17CSL67	System Software and Operating System Laboratory	CS/IS	01-Hour In 02-Hour P		03	60	40	100	2
8	17CSL68	Computer Graphics Laboratory with mini project	CS/IS	01-Hour In 02-Hour P		03	60	40	100	2
			TOTAL	Theory:22 Practical:		24	480	320	800	26

# **B.E:** Computer Science and Engineering

Professiona	l Elective-2	Open Electiv	re - 2*** (List offered by CSE Board only)
17CS651	Data Mining and Data Warehousing	17CS661	Mobile Application Development
17CS652	Software Architecture and Design Patterns	17CS662	Big Data Analytics (Not for CSE/ISE students)
17CS653	Operations research	17CS663	Wireless Networks and Mobile computing
17CS654	Distributed Computing system	17CS664	Python Application Programming
1703034	Distributed computing system	17CS665	Service Oriented Architecture
		17CS666	Multicore Architecture and Programming

\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Selection of an open elective is not allowed, if: Maharaja Institu

· The candidate has no pre - requisite knowledge.

• The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s). Registration to open electives shall be documented under the guidance of Programme Coordinator and Adviser. A



### **B.E:** Computer Science and Engineering

SI.		The second s	Teaching	Teaching	Hours /Week		Examin	ation		Credits
No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CS71	Web Technology and its applications	CS/IS	04		03	60	40	100	4
2	17CS72	Advanced Computer Architectures	CS/IS	04		03	60	40	100	4
3	17CS73	Machine Learning	CS/IS	04		03	60	40	100	4
4	17CS74x	Professional Elective 3	CS/IS	03		03	60	40	100	3
5	17CS75x	Professional Elective 4	CS/IS	03		03	60	40	100	3
6	17CSL76	Machine Learning Laboratory	CS/IS	01-Hour In 02-Hour P		03	60	40	100	2
7	17CSL77	Web Technology Laboratory with mini project	CS/IS	01-Hour In 02-Hour P		0.3	60	40	100	2
8	17CSP78	Project Work Phase-I + Project work Seminar	CS/IS		03			100	100	2
		TOTAL		Theory:13 Practical 09 hours	and Project:	21	420	380	800	24

#### VII SEMESTER

al Elective-3	Professional	Elective-4
Natural Language Processing	17CS751	Soft and Evolutionary Computing
	17CS752	Computer Vision and Robotics
Information and Network Security	17CS753	Digital Image Processing
Unix System Programming	17CS754	Storage Area Networks
	Natural Language Processing Cloud Computing and its Applications	Natural Language Processing17CS751Cloud Computing and its Applications17CS752Information and Network Security17CS753

 17CS744
 Unix System Programming
 17CS744
 Institute of Technology Mysore

 1. Project Phase – I and Project Seminar: Comprises of Literature Survey, Problem identification, Objectives and Methodology. CIE marks shell be abised on the appoint Postering

 Literature Survey, Problem identification, Objectives and Methodology and Seminar presentation skillsrirangapatna Taluk

 Mandya District - 571477



VII	I SEMESTE	R	Teaching	Teaching	Hours /Week		Examin	ation		Credits
Sl. No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CS81	Internet of Things and Applications	CS/IS	4	-	3	60	40	100	4
		Fail and a state of the second state of the		4		3	60	40	100	4
2	17CS82	Big Data Analytics	CS/IS	4			4	10	100	3
3	17CS83X	Professional Elective-5	CS/IS	3		3	60	40	100	3
4	17CS84	Internship/ Professional Practice	CS/IS	Indust	ry Oriented	3	50	50	100	2
5	17CSP85	Project Work-II	CS/IS	-	6	3	100	100	200	6
5	17CSS86	Seminar	CS/IS	-	4	-	-	100	100	1
		TOTAL	And Ann Berth Its	Theory: 1 Project au 10 hours	1 hours nd Seminar:	15	330	370	700	20

# **B.E:** Computer Science and Engineering

Profession	al Elective -5
17CS831	High Performance Computing
17CS832	User Interface Design
17CS833	Network management
17CS834	System Modeling and Simulation

4

1. Internship/ Professional Practice: 4 Weeks internship to be completed between the (VI and VII semester vacation) and/or (VII and VIII semester vacation) Maharaja Institute Maharaja Institute Belawadi, Naguvanahaii Por Srirangapatna Taluk Srirangapatna Taluk Manoya District - 571477

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III	SEMESTER		Teaching	Teaching	Hours /Week		Exami	nation		Credits
SI. No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	1200
1	17MAT31 *	Engineering Mathematics - III	Maths	04		03	60	40	100	4
2	17CS32	Analog and Digital Electronics	CS/IS	04		03	60	40	100	4
3	17CS33	Data Structures and Applications	CS/IS	04		03	60	40	100	4
4	17CS34	Computer Organization	CS/IS	04		03	60	40	₹ 100	4
5	17CS35	Unix and Shell Programming	CS/IS	03		03	60	40	100	3
6	17CS36	Discrete Mathematical Structures	CS/IS	04	- 20	03	60	40	100	4
7	17CSL37	Analog and Digital Electronics Laboratory	CS/IS	01-Hour In 02-Hour Pr		03	60	40	100	2
8	17CSL38	Data Structures Laboratory	CS/IS	01-Hour In 02-Hour Pr		03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	01
		TOTAL			: 24hours al: 06 hours	25	510	340	850	28

# **B.E: Information Science and Engineering**

1.Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

#### 2. Audit Course:

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - I, which is 03 contact hours per week.

1	17MATDIP31	Additional Mathematics –I	Maths	03	Sarah -	03	60	10	60	
(ii) L	anguage English (A	Audit Course) be compulsorily studied by	all lateral entry stude	nts (except B.S	Sc candidates)			Princip	est i	

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



VSE	EMESTER		Teaching	Teaching H	ours /Week		Exami	ination	and the second second	Credits
SI. No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17MAT41	Engineering Mathematics - IV	Maths	04		03	60	40	100	4
2	17KA141 17CS42	Object Oriented Concepts	CS/IS	03		03	60	40	100	3
3	17CS43	Design and Analysis of Algorithms	CS/IS	04	C. C	03	60	40	100	4
4	17CS44	Microprocessors and Microcontrollers	CS/IS	04		03	60	40	100	4
5	17CS45	Software Engineering	CS/IS	04		03	60	40	100	4
6	17CS46	Data Communication	CS/IS	04		03	60	40	100	4
7	17CSL47	Design and Analysis of Algorithm Laboratory	CS/IS	01-Hour Instr 02-Hour Pract		03	60	40	100	2
8	17CSL48	Microprocessors Laboratory	CS/IS	01-Hour Instr 02-Hour Pract		03	60	40	100	2
9	17KL/CPH39/49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	01		01	30	20	50	01
			TOTAL	Theory: 24 Practical: 06		25	510	340	850	28

# **B.E: Information Science and Engineering**

1. Kannada/Constitution of India, Professional Ethics and Human Rights: 50 % of the programs of the Institution have to teach Kannada/Constitution of India, Professional Ethics and Human Rights in cycle based concept during III and IV semesters.

#### 2.Audit Course:

(i) \*All lateral entry students (except B.Sc candidates) have to register for Additional Mathematics - II, which is 03 contact hours per week.

1	17MATDIP41	Additional Mathematics –II	Maths	03		03	60		60	
(ii) Lai	nguage English (Audit (	Course) be compulsorily studied by all late	eral entry students (	except B.Sc car	ndidates)			PLAD	perse	ore
				2			Maharaja li Bela N	wadi, Naguva Srirangapatn landya Distric	nahalli Post a Taluk t - 571477	



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S1.	Course Code	Title	Teaching Department	Teaching	Hours /Week		Exami	nation		Credits
No	Course cour			Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CS51	Management and Entrepreneurship for IT Industry	CS/IS	04		03	60	40	100	4
2	17CS52	Computer Networks	CS/IS	04		03	60	40	100	4
3	17CS53	Database Management System	CS/IS	04		03	60	40	100	4
4	17CS54 ·	Automata theory and Computability	CS/IS	04	-	03	60	40	100	4
5	17CS/IS55x	Professional Elective-1	CS/IS	03		03	60	40	100	3
6	17CS56x	Open Elective-1	CS/IS	03		03	60	40	100	3
7	17CSL57	Computer Network Laboratory	CS/IS	01-Hour In 02-Hour Pi		03	60	40	100	2
8	17CSL58	DBMS Laboratory with mini project	CS/IS	01-Hour In 02-Hour Pr		03	60	40	100	2
			TOTAL	Theory: Practical:		24	480	320	800	26

#### **V SEMESTER**

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### **B.E:** Information Science and Engineering

Professiona	al Elective-1	Open Elect	ive - 1*** (List offered by CSE Board only)
17CS551	Object Oriented Modeling and Design	17CS561	Programming in JAVA (Not for CSE/ISE students)
17IS552	Social Network Analysis	17CS562	Artificial Intelligence
17CS553	Advanced JAVA and J2EE	17CS563	Embedded Systems
17IS554	Programming Languages	17CS564	Dot Net framework for application development;
		17CS565	Cloud Computing (Not for CSE/ISE students)

\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Selection of an open elective is not allowed, if:

The candidate has no pre – requisite knowledge.
The candidate has studied similar content course during previous semesters.

• The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s). Registration to open electives shall be documented under the guidance of Programme Coordinator and Adviser.

Principal

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



SI.	EMESTER	Title	Teaching Department		ng Hours Veek		Exami	nation		Credit
No	Code	The	-	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CS61	Cryptography, Network Security and Cyber Law	CS/IS	04		03	60	40	100	4
2	17IS62	File Structures	CS/IS	04		03	60	40	100	4
3	17IS63	Software Testing	CS/IS	04		03	60	40	100	4
4	17CS64	Operating Systems	CS/IS	04		03	60	40	100	.4
5	17CS/IS65x	Professional Elective-2	CS/IS	03		03	60	40	100	3
6	17CS66x	Open Elective-2	CS/IS	03		03	60	40	100	3
7	17ISL67	Software Testing Laboratory	CS/IS	01-Hour Ir 02-Hour P		03	60	40	100	2
8	17ISL68	File Structures Laboratory with mini project	CS/IS	01-Hour In 02-Hour P	and the second	03	60	40	100	2
			TOTAL	Theory:22 Practical:	STORE	24	480	320	800	26

# **B.E: Information Science and Engineering**

Professiona	l Elective-2	Open Electiv	re - 2*** (List offered by CSE Board only)
17CS651	Data Mining and Data Warehousing	17CS661	Mobile Application Development
1718652 17CS653	System Software	17CS662	Big Data Analytics (Not for CSE/ISE students)
17CS653	Operations research	17CS663	Wireless Networks and Mobile computing
17CS654	Distributed Computing system	17CS664	Python Application Programming
A STRATE		. 17CS665	Service Oriented Architecture
- WALL-NO		17CS666	Multicore Architecture and Programming

\*\*\*Students can select any one of the open electives offered by any Department (Please refer to consolidated list of VTU for open electives). Selection of an open elective is not allowed, if:

The candidate has no pre – requisite knowledge.
The candidate has studied similar content course during previous semesters.

The candidate has studied similar content course during previous semesters.
 The syllabus content of the selected open elective is similar to that of Departmental core course(s) or to be studied Professional elective(s).
 Registration to open electives shall be documented under the guidance of Programme Coordinator and Adviser.
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 Srirangapatna Taluk
 Mandya District - 571477



## **B.E:** Information Science and Engineering

SI.			Teaching	Teaching	Hours /Week		Examin	ation		Credits
No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CS71	Web Technology and its applications	CS/IS	04		03	60	40	100	4
2	17IS72	Software Architecture and Design Patterns	CS/IS	04		03	60	40	100	4
3	17CS73	Machine Learning	CS/IS	04	The state of the s	03	60	40	100	4
4	17CS/IS74x	Professional Elective 3	CS/IS	03		03	60	40	100	3
5	17CS/IS75x	Professional Elective 4	CS/IS	03		03	60	40	100	3
6	17CSL76	Machine Learning Laboratory	CS/IS	01-Hour In 02-Hour Pr		03	60	40	100	2
7	17CSL77	Web Technology Laboratory with mini project	CS/IS	01-Hour In 02-Hour Pr		03	60	40	100	2
8	17ISP78	Project Work Phase-I + Project work Seminar	CS/IS		03	-		100	100	2
		TOTAL		Theory:18 Practical a 09 hours	hours and Project:	21	420	380	800	24

#### VII SEMESTER

Profession	al Elective-3	Professional Elective-4					
17CS741	Natural Language Processing	17CS751	Soft and Evolutionary Computing				
17CS742	Cloud Computing and its Applications	17CS752	Computer Vision and Robotics				
17CS743	Information and Network Security	17IS753	Information Management System				
17CS744	Unix System Programming	17CS754	Storage Area Networks				

1. Project Phase – I and Project Seminar: Comprises of Literature Survey, Problem identification, Objectives and Methodology. CIE marks shall be based inclusive port covering Literature Survey, Problem identification, Objectives and Methodology and Seminar presentations shall institute of Technology Mysore Belawadi, Naguvanahalli Post

Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



VII	ISEMESTER		Teaching	Teaching	g Hours /Week		Examin	ation	-	Credit
Sl. No	Course Code	Title	Department	Theory	Practical/ Drawing	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	17CS81	Internet of Things and Applications	CS/IS	4	-	3	60	40	100	4
2	17CS82	Big Data Analytics	CS/IS	4	-	3	60	40	100	4
3	17CS/IS83X	Professional Elective-5	CS/IS	3		3	60	40	100	3
4	17IS84	Internship/ Professional Practice	CS/IS	Indust	try Oriented	3	50	50	100	2
5	17ISP85	Project Work-II	CS/IS	-	6	3	100	100	200	6
5	17ISS86	Seminar	CS/IS	-	4	-	-	100	100	1
		TOTAL		Theory: 1 Project an 10 hours	11 hours nd Seminar:	15	330	370	700	20

# **B.E: Information Science and Engineering**

Profession	al Elective -5
17CS831	High Performance Computing
17CS832	User Interface Design
17IS833	Virtual Reality
17CS834	System Modeling and Simulation

1. Internship/ Professional Practice: 4 Weeks internship to be completed between the (VI and VII semester vacation) and/or (VII and VIII semester vacation) period.

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Frincipal Maharaja Institute of Technology Mysora Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

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	de		5 t	Teachi	ng Hours	/Week		Examin	ation	1 alerand	
SI. No.	Subject Code	Title	Teaching Department	Lecture	Tutorial	Practical	Duration (Hours)	SEE Marks	CIE Marks	Total Marks	Credits
1	17MAT31	Engineering Mathematics – III	Maths	04			03	60	40	100	4
2	17ME32	Materials Science	ME	04			03	60	40	100	4
3	17ME33	Basic Thermodynamics	ME	03	02		03	60	40	100	4
4	17ME34	Mechanics of Materials	ME	03	02		03	60	40	100	4
18	17ME35A/	Metal Casting and Welding	ME			A TO BE AND		60	10	100	
5	17ME35B	Machine Tools and Operations	ME	04		and in	03	60	40	100	4
Ĩ.		Computer Aided Machine Drawing	ME	01		4	02	60	40	100	3
6	17ME36A/ 17ME36B	Mechanical Measurements and Metrology	ME	03			03	60	40	100	3
	17MEL37A/	Materials Testing Lab/	ME						the second		
7	17MEL37A	Mechanical Measurements and Metrology Lab	ME	1		2	03	60	40	100	2
	17MEL38A/	Foundry and Forging Lab	ME				02	60	10	100	2
8	17MEL38B	Machine Shop/	ME	1		2	03	60	40	100	2
9	17KL/CPH39 /49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	1			01	30	20	50	1
		TOTAL		22/24	04	08/04		510	340	850	28

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#### B.E. Mechanical Engineering III SEMESTER

Prindipal CLUM Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District - 571477



SI. No	Subject Code		Teaching	Teac	hing Hours	s /Week		Exami	nation	Fight Contraction	
	Subject Code	Title	Department	Lecte	Tutorial	Practical	Duration (Hours)	SEE Marks	CIE Marks	Total Marks	Credits
1	17MAT41	Engineering Mathematics – III	Maths	04			03	60	40	100	04
2	17ME42	Kinematics of Machinery	ME	03	02		03	60	40	100	04
3	17ME43	Applied Thermodynamics	ME	03	02		02				
4	17ME44	Fluid mechanics	ME	03	02		03	60	40	100	04
5	17ME45A/	Metal Casting and Welding	ME		02		03	60	40	100	04
	17ME45B	Machine Tools and Operations	ME	- 04			03	60	40	100	04
6	17ME46 A/	Computer Aided Machine Drawing	ME	01		4					
· ·	17ME46B	Mechanical Measurements and Metrology	ME	03			03	60	40	100	03
	17MEL47A/	Materials Testing Lab/	ME								No. Co
7	17MEL47A	Mechanical Measurements and Metrology Lab	ME	1		2	03	60	40	100	02
8	17MEL48A/	Foundry and Forging Lab	ME				Trail Providence				
	17MEL48B	Machine Shop/	ME	1		2	03	60	40	100	02
9	17KL/CPH39/ 49	Kannada/Constitution of India, Professional Ethics and Human Rights	Humanities	1			01	30	20	50	1
19.1.1	and the second	TOTAL		21/23	06	08/04		510	340	850	28

# B.E. Mechanical Engineering IV SEMESTER

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



eaching Hours /Week	Examina
The second s	

B.E. Mechanical Engineering

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			-				

			Teachi	ng Hour	s /Week		Examinatio	n		
il. No	Subject Code	Title	Lecture	Tutorial	Practical	Duration (Hours)	SEE Marks	CIE Marks	Total Marks	Credit
1	17ME51	Management and Engineering Economics	3	2	0	03	60	40	100	4
2	17ME52	Dynamics of Machinery	3	2	0	03	60	40	100	4
3	17ME53	Turbo Machines	3	2	0	03	60	40	100	4
4	17ME54	Design of Machine Elements - I	3	2	0	03	60	40	100	4
5	17ME55X	Professional Elective-I	3	0	0	03	60	40	100	3
6	17ME56X	Open Elective-I	3	0	0	03	60	40	100	3
7	17MEL57	Fluid Mechanics & Machinery Lab	1	0	2	03	60	40	100	2
8	17MEL58	Energy Lab	1	0	2	03	60	40	100	2
		TOTAL	20	08	04		480	320	60	40
	Profession	nal Elective-I			Open	Elective-I	and the second		100	
	17ME551	Refrigeration and Air-conditioning			17ME	561 Optimizatio	n Technique	S		
	17ME552	2 Theory of Elasticity			17ME		Environmen		Contraction of the	
	17ME553	B Human Resource Management			17ME		and Robotic			
	17ME554	Non Traditional Machining			17ME	564 Project Mai	nagement			

- 1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.
- 2. Professional Elective: Elective relevant to chosen specialization/ branch
- 3. Open Elective: Electives from other technical and/or emerging subject areas.

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District - 571477

Maharaja Instituio of Technology Mysore Baseson, Nagaranasali Post Sommer Deserves Televe Manatys Constant of Telev



VI	SEMESTE	R		Tanal	ning Hours	Week	I	Examina	tion		Credit
Sl. No	Subject Co	ode	Title		Contraction of the local division of the loc	Practical	Duration (Hours)	SEE Marks	CIE Marks	Total Marks	
1	17ME6	1	Finite Element Analysis	. 3	2	0	03	60	40	100	4
2	17ME63		Computer integrated Manufacturing	4	0	0	03	60	40	100	4
3	17ME6.	3	Heat Transfer	3	2	0	03	60	40	100	4.
4	17ME64	4	Design of Machine Elements -II	3	2	0	03	60	40	100	4
5	17ME65	x	Professional Elective-II	3	0	0	03	60	40	100	3
6	17ME66	x	Open Elective-II	3	0	0	03	60	40	100	3
7	17MEL6	7	Heat Transfer Lab	1	0	2	03	60	40	100	2
8	17MEL6	8	Modeling and Analysis Lab(FEA)	1	0	2	03	60	40	100	2
	- 1.7-4	2	TOTAL	21	6	04		480	320	60	40
Pro	fessional El	ective	:-II		Open Elec	tive-II					
171	4E651 (	Comp	utational Fluid Dynamics		17ME661	Energy /	Auditing	1		T British	
171	4E652 1	Mecha	anics of Composite Materials	( main star	17ME662	Industria	al Safety				
171	AE653 1	Metal	Forming		17ME663	Mainten	ance Engineering				
171	AE654	Tool I	Design		17ME664	Total Qu	uality Management				
171	4E655	Auton	nobile Engineering	- and and					- 1944	Contraction of	

# **B.E. Mechanical Engineering**

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

2. Professional Elective: Elective relevant to chosen specialization/ branch

3. Open Elective: Electives from other technical and/or emerging subject areas.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



11 Se	emester		2017- Scheme	echanical <b>E</b>	Engineerin and Examina	g				
No	Subject		Teac	hing Hours	/Week		Exami	nation		ß
SI.	Code	Title	Lecture	Tutorial	Practical	Duration (Hours)	SEE Marks	CIE Marks	Total Marks	Credits
1	17ME71	Energy Engineering	3	2	0	03	60	40	100	4
2	17ME72	Fluid Power Systems	4	0	0	03	60	40	100	4
3	17ME73	Control Engineering	3	2	0	03	60	40	100	4
4	17ME74X	Professional Elective - III	3	0	0	03	60	40	100	3
5	17ME75X	Professional Elective-IV	3	0	0	03	60	40	100	3
6	17MEL76	Design Lab	1	0	2	03	60	40	100	2
7	17MEL77	CIM Lab	1	0	2	03	60	40	100	2
8	17MEP78	Project Phase – I	-	•	-	-		100	100	2
		TOTAL	18	04	04	21	420	380	800	24

	Professional Elective-III	A LANGER AND	Professional Elective-IV
17ME741	Design of Thermal Equipment's	17ME751	Automotive Electronics
17ME742	Tribology	17ME752	Fracture Mechanics
17ME743	Financial Management	17ME753	Mechatronics
17ME744	Design for Manufacturing	17ME754	Advanced Vibrations
17ME745	Smart Materials & MEMS		

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of aprogramme in a said discipline of study.

2. Professional Elective: Elective relevant to chosen specialization/ branch

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



#### Visvesvaraya Technological University, Belagavi B.E. in Mechanical Engineering 2017- Scheme of Teaching and Examination Choice Based Credit System (CBCS)

0	The Sugar			181 12	Teac	hing Hou	rs /Week		Examin	ation	E AELD	its
SI. No	Subject Code		Title		. L	Т	Р	Duration (Hours)	SEE Marks	CIE Marks	Total Marks	Credits
1	17ME81	Operat	ions Research	1	3	2	0	03	60	40	100	4
2	17ME82	Additive	Manufacturi	ng	4	0	0	03	60	40	100	4
3	17ME83X	Professio	onal Elective	- V	3	0	0	03	60	40	100	3
4	17ME84	Internship / I	Professional F	ractice	Indu	istry Orie	nted	03	50	50	100	2
5	17ME85		ct Phase - II			E Barel	6	03	100	100	200	6
6	17MES86	5	Seminar				4			100	100	1
		TOTAL			10	02	10	15	330	370	700	2
					Profess	sional Ele	ective-V					
			15ME831	Cryoge	enics							
			15ME832	Experi	mental St	ress Analy	ysis					
			15ME833	Theory	of Plastic	city	The sector					
			15ME834	Green	Manufact	uring						
			101110001	24.1.20 20.2.1		and the B	the second se	the second se	and the second se			

1. Core subject: This is the course, which is to be compulsorily studied by a student as a core requirement to complete the requirement of aprogramme in a said discipline of study.

2. Professional Elective: Elective relevant to chosen specialization/ branch

3. Internship / Professional Practice: To be carried out between 6th & 7th semester vacation or 7th & 8th semester vacation

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



		I SEMEST	FER B.E./B.Te	ch (PHYSIC	CS GRO	UP)						
				00		eaching irs /We			Exami	ination		
SI. No	Course and Course Code	Course Title	Teaching	er Settin Board	heory ecture	ıtorial	actical/ awing	tion in turs	Marks	Marks	Marks	C. M.

THE REPORTS			and the second second second	A DECEMBER OF A DECEMBER OF	Contraction and	1 Maria	Service and	ā	U	5	2	Contract of
					L	Т	Р			and shares	5	
BSC	18MAT11	Calculus and Linear Algebra	Mathematics	Maths	3	2		03	40	60	100	4
BSC	18PHY12	Engineering Physics	Physics	Physics	3	2		03	40	60	100	4
ESC	18ELE13	Basic Electrical Engineering	E and E Engineering	E and E Engineering	2	2		03	40	60	100	1.1
ESC	18CIV14	Elements of Civil Engineering and Mechanics	Civil Engineering	Civil Engineering	2	2	**	03	40	60	100	61
ESC	18EGDL15	Engineering Graphics	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	2		2	03	40	60	100	1.1
BSC	18PHYL16	Engineering Physics Laboratory	Physics	Physics			2	03	40	60	100	1
ESC	18ELEL17	Basic Electrical Engineering Laboratory	E and E Engineering	E and E Engineering		-	2	03	40	60	100	1
USMC	18FGH18	Technical English-I	Humanities	Humanities		2		03	40	60		1
				TOTAL	12	10	06	24		and the second	800	2
BSC Bas	ic Science Cour	ses, ESC: Engineering Scie	nce Courses, HSM	1C: Humanity, S	ocial S	cience	and Ma	nageme	nt Cour	ses.		
	1 hour	Lecture (L) per week per so	emester =1 Crean							٨		0
ition of C	redit: 2 hour	Practical/Laboratory/Drawi	ing (P) per week p	er semester =1 C	credit.		want to		and the second	h	(	A
and a start		Theorem Datorian julia							1	Philipp	eee	
	BSC ESC ESC BSC ESC HSMC BSC: Bas	BSC18PHY12ESC18ELE13ESC18CIV14ESC18EGDL15BSC18PHYL16ESC18ELEL17HSMC18EGH18BSC: Basic Science Cour1 hour1 hour1 hour	BSC18MAITIAlgebraBSC18PHY12Engineering PhysicsESC18ELE13Basic Electrical EngineeringESC18CIV14Elements of Civil Engineering and MechanicsESC18EGDL15Engineering GraphicsBSC18PHYL16Engineering Physics LaboratoryESC18ELEL17Basic Electrical Engineering LaboratoryHSMC18EGH18Technical English–IBSC:Basic Science Courses, ESC: Engineering Science 2 hour Tutorial (T) per week per sec	BSC18MATTIAlgebraMathematicsBSC18PHY12Engineering PhysicsPhysicsESC18ELE13Basic Electrical EngineeringE and E EngineeringESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringESC18EGDL15Engineering GraphicsME, Auto, IP, IEM, Mfg EngineeringBSC18PHYL16Engineering Physics LaboratoryPhysicsBSC18ELEL17Basic Electrical Engineering LaboratoryE and E EngineeringBSC:18EGH18Technical English–IHumanitiesBSC:Basic Science Courses, ESC: Engineering Science Courses, HSM Thour Lecture (L) per week per semester =1 Credit to per week per semester =1 Credit	BSC18MAI11AlgebraMathematicsMathematicsBSC18PHY12Engineering PhysicsPhysicsPhysicsESC18ELE13Basic Electrical EngineeringE and E EngineeringE and E EngineeringEngineeringESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringCivil EngineeringCivil EngineeringESC18EGDL15Engineering GraphicsME, Auto, IP, IEM, Mfg 	BSC       18MAT11       Calculus and Linear Algebra       Mathematics       Maths       3         BSC       18PHY12       Engineering Physics       Physics       Physics       3         ESC       18ELE13       Basic Electrical Engineering       E and E Engineering       E and E Engineering       E and E Engineering       E and E Engineering       2         ESC       18CIV14       Elements of Civil Engineering and Mechanics       Civil Engineering       Civil Engineering       2         ESC       18EGDL15       Engineering Graphics       ME, Auto, IP, IEM, Mfg       Mechanical Engineering       2         BSC       18PHYL16       Engineering Physics Laboratory       Physics       Physics          ESC       18ELEL17       Basic Electrical Engineering Laboratory       E and E Engineering       E and E Engineering          HSMC       18EGH18       Technical English–I       Humanities           BSC:       Basic Science Courses, ESC: Engineering Science Courses, HSMC: Humanity, Social Science Courses, ISMC:          BSC:       Basic Science Courses, ESC: Engineering Science Courses, HSMC: Humanity, Social Science Courses, I Credit	BSC18MAT11Calculus and Linear AlgebraMathematicsMaths32BSC18PHY12Engineering PhysicsPhysicsPhysics32ESC18ELE13Basic Electrical EngineeringE and E EngineeringE and E EngineeringE and E Engineering22ESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringCivil Engineering22ESC18EGDL15Engineering GraphicsME, Auto, IP, IEM, Mfg EngineeringMechanical Engineering2BSC18PHYL16Engineering Physics LaboratoryPhysicsPhysicsBSC18ELEL17Basic Electrical Engineering LaboratoryE and E EngineeringE and E EngineeringHSMC18EGH18Technical English-IHumanities210BSC: Basic Science Courses, ESC: Engineering Science Courses, HSMC: Humanity, Social Science1 hour Lecture (L) per week per semester =1 Credit10	BSC18MAT11Calculus and Linear AlgebraMathematicsMaths32BSC18PHY12Engineering PhysicsPhysicsPhysics32ESC18ELE13Basic Electrical EngineeringE and E EngineeringE and E EngineeringE and E Engineering22ESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringCivil Engineering22ESC18EGDL15Engineering GraphicsME, Auto, IP, IEM, Mfg EngineeringMechanical Engineering22ESC18EGDL16Engineering Physics LaboratoryPhysicsPhysics2BSC18PHYL16Engineering Physics LaboratoryPhysicsPhysics2HSMC18EGH18Technical English-IE and E EngineeringE and E Engineering2BSC:Basic Electrical Engineering LaboratoryE and E Engineering2HSMC18EGH18Technical English-IHumanitiesHumanities2BSC:Basic Science Courses, ESC: Engineering Science Courses, HSMC: Humanity, Social Science and Material 2 hour Tutorial (D) per week per semester = 1 Credit1 hour Lecture (L) per week per semester = 1 Credit	BSC18MAT11Calculus and Linear AlgebraMathematicsMaths3203BSC18PHY12Engineering PhysicsPhysicsPhysicsPhysics3203ESC18ELE13Basic Electrical EngineeringE and E EngineeringE and E EngineeringE and E Engineering2203ESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringCivil Engineering2203ESC18EGDL15Engineering GraphicsME, Auto, IP, IEM, Mfg EngineeringMechanical Engineering2203BSC18PHYL16Engineering Physics LaboratoryPhysicsPhysics203BSC18ELEL17Basic Electrical Engineering LaboratoryE and E EngineeringE and E Engineering203HSMC18EGH18Technical English-IHumanitiesHumanities203BSC:Basic Science Courses, ESC: Engineering Science Courses, HSMC: Humanity, Social Science and Managemee Totral100624BSC:Basic Science Course, ESC: Engineering Science Courses, HSMC: Humanity, Social Science and Managemee Totral1100624	BSC18MAT11Calculus and Linear AlgebraMathematicsMaths320340BSC18PHY12Engineering PhysicsPhysicsPhysics320340ESC18ELE13Basic Electrical EngineeringE and E EngineeringE and E Engineering220340ESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringCivil EngineeringCivil Engineering220340ESC18EGDL15Engineering GraphicsME, Auto, IP, IEM, Mfg EngineeringMechanical Engineering220340ESC18EGDL15Engineering Physics LaboratoryME, Auto, IP, IEM, Mfg EngineeringMechanical Engineering220340ESC18EGH18Engineering LaboratoryPhysicsPhysics20340ESC18ELEL17Basic Electrical Engineering LaboratoryE and E EngineeringE and E Engineering20340ESC18EGH18Technical English-IHumanitiesHumanities20340ESC18EGH18Technical English-IHumanitiesHumanities20340ESC18EGH18Technical English-IHumanitiesHumanities20340ESC:Basic Electrical <br< td=""><td>Image: Second condition of Credit:Image: Condition of Credit:Image:</td><td>BSC18MAT11Calculus and Linear AlgebraMathematicsMaths32034060100BSC18PHY12Engineering PhysicsPhysicsPhysics9 hysics32034060100ESC18ELE13Basic Electrical Engineering and MechanicsE and E EngineeringE and E EngineeringE and E Engineering22034060100ESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringCivil EngineeringCivil Engineering22034060100ESC18EGDL15Engineering GraphicsME, Auto, IP, EngineeringMechanical Engineering22034060100BSC18PHYL16Engineering Physics LaboratoryPhysicsPhysics2034060100ESC18ELE17Engineering LaboratoryPhysicsPhysics2034060100ESC18ELEL17Basic Electrical Engineering LaboratoryE and E EngineeringE and E Engineering2034060100HSMC18EGH18Technical English-IHumanitiesHumanities2034060100HSMC18EGH18Technical English-IHumanitiesHumanities2<td< td=""></td<></td></br<>	Image: Second condition of Credit:Image:	BSC18MAT11Calculus and Linear AlgebraMathematicsMaths32034060100BSC18PHY12Engineering PhysicsPhysicsPhysics9 hysics32034060100ESC18ELE13Basic Electrical Engineering and MechanicsE and E EngineeringE and E EngineeringE and E Engineering22034060100ESC18CIV14Elements of Civil Engineering and MechanicsCivil EngineeringCivil EngineeringCivil Engineering22034060100ESC18EGDL15Engineering GraphicsME, Auto, IP, EngineeringMechanical Engineering22034060100BSC18PHYL16Engineering Physics LaboratoryPhysicsPhysics2034060100ESC18ELE17Engineering LaboratoryPhysicsPhysics2034060100ESC18ELEL17Basic Electrical Engineering LaboratoryE and E EngineeringE and E Engineering2034060100HSMC18EGH18Technical English-IHumanitiesHumanities2034060100HSMC18EGH18Technical English-IHumanitiesHumanities2 <td< td=""></td<>

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



				-		ching ** /Week		Examin	ation	
SL. No	Course and Course Code	Course Title	ching of function	er Settin Beard	05	rial deal	a in	uks	arks	larks

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16	3)
16	31
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	and the second second					a second			2	5	26	3	
_	A State of the second				Sector Contraction	L	T	P		-	n	100	
1	BSC	ISMATII	Calculus and Linear Algebra	Mathematics	Mathematics	3	2	**	03	40	60	100	4
2	BSC	18CHE12	Engineering Chemistry	Chemistry	Chemistry	3	2		03	40	60	100	4
3	ESC	18CPS13	C Programming for Problem Solving	Computer Science and Engineering	Computer Science and Engineering	2	2	-	03	40	60	100	3
4	ESC	18ELN14	Basic Electronics	ECE/E and I/ TC	E and C Engineering	2	2	-	03	40	60	100	3
5	ESC	18ME15	Elements of Mechanical Engineering	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	2	2	-	03	40	60	100	3
6	BSC	18CHEL16	Engineering Chemistry Laboratory	Chemistry	Chemistry	-		2	03	40	60	100	E
7	ESC	18CPL17	C Programming Laboratory	Computer Science and Engineering	Computer Science and Engineering		-	2	03	40	60	100	1
8	HSMC	18EGH18	Technical English-1	Humanities	Humanities		2		03	40	60	100	E
			the second s		TOTAL	12	12	04	24	320	480	800	20

Maharaja Institute of Cocomology Mysore Belawadi, Nagavanahaili Post Srirangapatna Tatuk Mandya District - 571477



					Fech (PHYSIC		Teachir ours /W	ıg		Exam	ination		
SI. No	and the second second	ourse and urse Code	Course Title	Teaching Department	Paper Setting Board	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
- 10		A Contraction of the second		a superior and a superior	and the state of the	L	Т	P	9	2	S	8	
1	BSC	18MAT21	Advanced Calculus and Numerical Methods	Mathematics	Mathematics	3	2		03	40	60	100	4
2	BSC	18PHY22	Engineering Physics	Physics	Physics	3	2		03	40	60	100	4
3	ESC	18ELE23	Basic Electrical Engineering	E and E Engineering	E and E Engineering	2	2		03	40	60	100	3
4	ESC	18CIV24	Elements of Civil Engineering and Mechanics	Civil Engineering	Civil Engineering	2	2	-	03	40	60	100	3
5	ESC	18EGDL25	Engineering Graphics	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	2		2	03	40	60	100	1.1
6	BSC	18PHYL26	Engineering Physics Laboratory	Physics	Physics			2	03	40	60	100	1
7	ESC	18ELEL27	Basic Electrical Engineering Laboratory	E and E Engineering	E and E Engineering		4	2	03	40	60	100	1
8	HSMC	18EGH28	Technical English-II	Humanities	Humanities		2		03	40	60	100	1
	the state of the s	1	1	the second second	TOTAL	12	10	06	24	320	480	800	2

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Maharaja Institute of/Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



		State of the		-	5	and the second se	eachir urs /W	Contraction of the second seco		Exami	ination	No.	
SI. No	I THE THE DE CONCERN	ourse and urse Code	Course Title	Teaching Department	Paper Setting Board	r Theory Lecture	H Tutorial	Hractical	Duration in hours	CIE Marks	SEE Marks	Total Marks	Cradite
1	BSC	18MAT21	Advanced Calculus and Numerical Methods	Mathematics	Maths	3	2		03	40	60	100	4
2	BSC	18CHE22	Engineering Chemistry	Chemistry	Chemistry	3	2		03	40	60	100	4
3	ESC	18CPS23	C Programming for Problem Solving	Computer Science and Engineering	Computer Science and Engineering	2	2		03	40	60	100	1.1
4	ESC	18ELN24	Basic Electronics	ECE/E and I/ TC	E and C Engineering	2	2		03	40	60	100	10
5	ESC	18ME25	Elements of Mechanical Engineering	ME, Auto, IP, IEM, Mfg Engineering	Mechanical Engineering	2	2		03	40	60	100	1.1
6	BSC	18CHEL26	Engineering Chemistry Laboratory	Chemistry	Chemistry		-	2	03	40	60	100	1
7	ESC	18CPL27	C Programming Laboratory	Computer Science and Engineering	Computer Science and Engineering			2	03	40	60	100	1
8	HSMC	18EGH28	Technical English-II	Humanities	Humanities		2		03	40	60	100	1
-	State Bar				TOTAL	12	12	04	24	320	480	800	2

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Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



#### Programme: CIVIL ENGINEERING

	ESTER		and and the second s		Teaching	Hours /\	Veek		Examin	nation		
SI. No	0.7007.02	rse and se Code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Fotal Marks	Credits
					L	Т	Р			S	F	
1	BSC	18MAT31	Transform Calculus, Fourier Series and Numerical Techniques	Mathematics	2	2		03	40	60	100	3
2	PCC	18CV32	Strength of Materials	Civil Engg.	3	2		03	40	60	100	4
3	PCC	18CV33	Fluid Mechanics	Civil Engg.	3	0		03	40	60	100	3
4	PCC	18CV34	Building Materials and Construction	Civil Engg.	3	0		03	40	60	100	3
5	PCC	18CV35	Basic Surveying	Civil Engg.	3	0		03	40	60	100	3
6	PCC	18CV36	Engineering Geology	Geology	3	0	**	03	40	60	100	3
7	PCC	18CVL37	Computer Aided Building Planning & Drawing	Civil Engg.		2	2	03	40	60	100	2
8	PCC	18CVL38	Building Materials Testing Laboratory	Civil Engg.		2	2	03	40	60	100	2
0	1.00	18KVK39	Vyavaharika Kannada (Kannada for communication)/									
			OR			2			100		1.1.1	
		18KAK39	Aadalitha Kannada (Kannada for Administration)	Нѕмс			-				100	1
9	HSMC		OR									1
	Paster (a)		Constitution of India, Professional Ethics and Cyber	Minton S. Rock	1			02	40	60		
	Start St	18CPC39	Law		Exa	mination	is by ob	jective typ	and the second design of the s	Committee Committee Committee	n state	
Non Party of the	Contraction -				17	08		24	420	480		
				TOTAL	OR	OR	04	OR	OR	OR	900	2
					18	10		26	360	540	1	1

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



grade. In such a case, the students have to fulfill the requirements during subsequent semester/s to appear for SEE. (b)These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

# Courses prescribed to lateral entry B. Sc degree holders admitted to III semester of Engineering programs

Lateral entrant students from B.Sc. Stream, shall clear the non-credit courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

AICTE Activity Points to be earned by students admitted to BE/B. Tech/B. Plan day college programme (For more details refer to Chapter 6, AICTE Activity Point Programme, Model Internship Guidelines):

Over and above the academic grades, every Day College regular student admitted to the 4 years Degree programme and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. Students transferred from other Universities to fifth semester are required to earn 50 Activity Points from the year of entry to VTU. The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

The activities can be can be spread over the years, anytime during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, minimum hours' requirement should be fulfilled. Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.

In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District



			VISVESVARAYA TECHNOLOG Scheme of Teaching ar Outcome Based Education(OBE) and	nd Examination	1 2018 -	19						
Prog	ramme: (	CIVIL ENGIN	(Effective from the ac	cademic year 20	)18 - 19)				1	100		
VSI	EMESTE	R	CERING	To a los a l					-		-	-
		<u> </u>		1	Teachi	ing Hours /\	Veek		Exami	nation		
SI. No	1 (A)	ourse and ourse code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	aration in hours	CIE Marks	SEE Marks	tal Marks	Credits
	P. A.			-	1	Т	P	Ď	C	81	To	1.10
	BSC	18MAT41	Complex Analysis, Probability And Statistical Methods	Mathematics	2	2		03	40	60	100	3
2	A REAL PROPERTY AND	Contract Lange		and the second second	2	2		03	40	60	100	4
2	PCC	18CV42 18CV43	Analysis of Determinate Structures	Civil Engg. Civil Engg.	3	0		03	40	60	100	3
3	PCC PCC	18CV45	Applied Hydraulics	Civil Engg.	3	0		03	40	60	100	3
4	PCC	18CV44	Concrete Technology Advanced Surveying	Civil Engg.	3	0	~	03	40	60	100	3
5	PCC	18CV45	Water Supply & Treatment Engineering	Civil Engg.	3	0		03	40	60	100	3
7	and all and an other states of the state of	and the second se	Engineering Geology Laboratory	Geology		2	2	03	40	60	100	2
8	PCC PCC	18CVL47 18CVL48	Fluid Mechanics and Hydraulic Machines Laboratory	Civil Engg.		2	2	03	40	60	100	2
9	1 m	18KVK39/49	Vyavaharika Kannada (Kannada for Communication)/									
-	and the second second	10K V K 39/49	OR			2			100			
	and the second second					-				1.		
	HSMC	18KAK39/49	Aadalitha Kannada (Kannada for Administration)	HSMC		1					100	11
			OR		1	1		02	40	60		
	- Contraction of the	18CPC39/49	Constitution of India, Professional Ethics and Cyber Law			Examinatio	1	1				
-	-	1		TOTAL	17	08		24	420	480		
					OR	OR	04	OR	OR	OR	900	24
					18	10		26	360	540		1
				2 NI 15 1								
Note	e: BSC: Basi	c Science, PCC: P	rofessional Core, HSMC: Humanity and Social Science, NCMC	.: Non-credit manda	nory course.	188 48 20	/49 A adalit	ha Kannadi	(Kannada	for Admin	(istration)	is for
			a (Kannada for communication) is for non-Kannada speaking, r	eading and writing s	students and	IONANJZ	47Mauana	na Nannada	r (ixannaere	ter runn	nou actory	
stud	ents who spe	ak, read and write	Kannada.	are admitted to I	Leomoster	of Fngir	eering n	roorams	1241 (2012			
		Section of the sectio	Course prescribed to lateral entry Diploma hold	Mathematics	02	01	leering pi	03	40	60	100	10
10	NCMC	18MATDIP41	Additional Mathematics - II urses Additional Mathematics I and II prescribed for III and IV	/ semesters respectiv	vely to the	lateral ent	ry Diplom					3. Tech
(a)T	he mandator	y non - credit cou	urses Additional Mathematics I and II prescribed for III and IV luring the respective semesters to complete all the formalities of	f the course and an	very, to the	University	examinatio	n In case	any studen	t fails to re	eister for t	he said

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Maharaja Institute of Technology Myso Belewadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

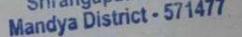


(b) These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

Courses prescribed to lateral entry B. Sc degree holders admitted to III semester of Engineering programs Lateral entrant students from B.Sc. Stream, shall clear the non-credit courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District - 571477





			Outcome Based Education(OI (Effective fro	hing and Examination	2018 – Credit S	19		)				
Contraction of the local division of the			INEERING		-		in the second second		-			-
V SE	MESTEI	<u> </u>			Teachin	g Hours	/Week		Exam	ination		T
SI. No		urse and arse code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Fotal Marks	
	-	2.1.2.2.1	the second stands and the second stand	- Charles - Char	L	Т	Р					-
1	HSMC	18CV51	Construction Management & Entrepreneurship	Civil Engg.	2	2		03	40	60	100	
2	PCC	18CV52	Analysis of Indeterminate Structures	Civil Engg.	3	2	~~	03	40	60	100	
3	PCC	18CV53	Design of RC Structural Elements	Civil Engg.	3	2		03	40	60	100	
4	PCC	18CV54	Basic Geotechnical Engineering	Civil Engg.	3			03	40	60	100	
5	PCC	18CV55	Municipal Wastewater Engineering	Civil Engg.	3			03	40	60	100	
6	PCC	18CV56	Highway Engineering	Civil Engg.	3			03	40	60	100	
7	PCC	18CVL57	Surveying Practice	Civil Engg.		2	2	03	40	60	100	
8	PCC	18CVL58	Concrete and Highway Materials Laboratory	Civil Engg.		2	2	03	40	60	100	
9	HSMC	18CIV59	Environmental Studies	Civil/Environmental [Paper setting Board: Civil Engineering]	1	1		02	40	60	100	
				TOTAL	18	10	04	26	360	540	900	

Note: PCC: Professional Core, HSMC: Humanity and Social Science.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District - 571477



			VISVESVARAYA TECHI	NOLOGICA	L UNIVE	RSITY, B	ELAGAVI						
			CIV	VIL ENGINE	EERING								
			Scheme of Teachi Outcome Based Education(OB	ing and Ex	aminatio	n 2018 -	- 19 Custom (CBC	2					
			(Effective from					0					
I SE	MESTER												
				Ħ	Tea	ching Ho	ours /Week		Exan	nination	-	4	
SI. No	2017/10/2	rse and se code	Course Title	Teaching Departmen	Theory Lecture	Tutoria I	Practic al/ Drawin g	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits	
	200	_			L	Т	Р	<b>a</b> :-	5	S			
1	PCC	18CV61	Design of Steel Structural Elements	Civil Engg.	3	2		03	40	60	100	4	
2	PCC	18CV62	Applied Geotechnical Engineering	Civil Engg.	3	2		03	40	60	100	4	
3	PCC	18CV63	Hydrology and Irrigation Engineering	Civil Engg.	3	2		03	40	60	100	4	
4	PEC	18CV64X	Professional Elective -1	Civil Engg.	3			03	40	60	100	3	
5	OEC	18CV65X	Open Elective -A	Civil Engg.	3			03	40	60	100	3	
6	PCC	18CVL66	Software Application Laboratory	Civil Engg.		2	2	03	40	60	100	2	
7	PCC	18CVL67	Environmental Engineering Laboratory	Civil Engg.		2	2	03	40	60	100	2	
8	EP	18CVEP68	Extensive Survey project	Civil Engg.		2	2	03	40	60	100	2	
9	Internship		Internship		ied out d	uring the	e vacation/s of V	VI and V	VII seme	sters and		and	
			T	CONTRACTOR INCOMENT	15	12	06	24	320	480	800	24	



Solid Waste Management
Alternate Building Materials
Ground Improvement Techniques
Railway, Harbours, Tunnelling & Airports
Open Elective -A
Remote Sensing & GIS
Traffic Engineering
Occupational Health & Safety
Sustainability Concepts in Civil Engineering
Intelligent Transportation Systems
Conservation of Natural Resources
ives offered by other Departments expect those that are offered by the parent Department

Selection of an open elective shall not be allowed if,

- The candidate has studied the same course during the previous semesters of the programme.
- The syllabus content of open elective is similar to that of the Departmental core courses or professional electives.
- A similar course, under any category, is prescribed in the higher semesters of the programme.

Registration to electives shall be documented under the guidance of Programme Coordinator/Advisor/Mentor.

**Internship:** All the students admitted to III year of BE/B. Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Maharaja Institute of Technology Myscre Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



			VISVESVARAYA TECHNO Scheme of Teachi Outcome Based Education(OBE	ng and Exar C) and Choice	nination Based C	2018 – Credit	19					
Progra	mme: CIV	IL ENCIN	(Effective from	the academic	year 201	8 – 19)	in the second		14 14 14 14 14 14 14 14 14 14 14 14 14 1	a start and	4	The second
	EMESTER	IL ENGI	LEKING			1000		-				1
VII SI	INILSIEK				Teaching Hours /Week Examination						1	
SI. No	Course and Course code		Course Title	Teaching Department	Theory Lecture Tutorial Practical/ Drawing		Duration in hours CIE Marks		SEE Marks	Fotal Marks	Credits	
					L	Т	Р	Q	0	ŝ	-	1.2.2.2
1	PCC	18CV71	Quality Surveying and Contract Management	Civil Engg.	3			03	40	60	100	3
2	PCC	18CV72	Design of RCC and Steel Structures	Civil Engg.	3			03	40	60	100	3
3	PEC	18CV73X	Professional Elective - 2	Civil Engg.	3			03	40	60	100	3
4	PEC	18CV74X	Professional Elective - 3	Civil Engg.	3			03	40	60	100	3
5	OEC	18CV75X	Open Elective -B	Civil Engg.	3			03	40	60	100	3
6	PCC	18CVL76	Computer Aided Detailing of Structures	Civil Engg.		2	2	03	40	60	100	2
7	PCC	18CVL77	Geotechnical Engineering Laboratory	Civil Engg.		2	2	03	40	60	100	2
8	Project	18CVP78	Project Work Phase - 1				2		100		100	1
9	Internship		Internship	(If not complet vacation of VII	ed during th and VIII se	ne vacatio mesters)	on of VI a	nd VII ser	mesters, it	shall be c	arried out d	uring the
				TOTAL	15	04	06	21	380	420	00	20
Note: PC	CC: Profession	al core, PEC	Professional Elective.	fessional Elective	- 2							
Course o	code under 18	CV73X	Course Title			the state	The state		-	State of the	Contraction of the second	SPACE.
18CV73	1		Theory of Elasticity					-		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Charles I.
18CV732	2		Air Pollution and Control	State of the second	100 C				-			
18CV73	3	1. 1. 1. 1.	Pavement Materials & Construction				-				the second second	and the second second
18CV734	4		Ground Water Hydraulies	the strategy war	and the second			-				A Second
18CV735			Masonry Structures						-	a subscription		-
				fessional Elective	s - 3							
Course	code under 18	CV74X	Course Title								125	
18CV74	the second se		Earthquake Engineering				TRACT			- Section	and the second	
18CV742			Design Concepts of Building Services		Constant of					1.1.000.00		
18CV742	3		Reinforced Earth Structures							A	reipal	

Maharaja Institutoror Technology Belawadi, Naguvana Jahr Pos Srirangapatna Taluk Mandya District - 571477



18CV744	Design of Hydraulic Structures
18CV745	Urban Transport Planning
Course code under 18CV75X	Open Elective -B
18CV751	Course Title
	Finite Element Method
18CV752	Numerical Methods and Applications
18CV753	Environmental Protection and Management
<ul> <li>Selection of an open elective sha</li> <li>The candidate has studied the</li> <li>The syllabus content of open</li> <li>A similar course, under any course</li> </ul>	the open electives offered by other Departments expect those that are offered by the parent Department (Please refer to the list of open electives unde all not be allowed if, e same course during the previous semesters of the programme. elective is similar to that of the Departmental core courses or professional electives. category, is prescribed in the higher semesters of the programme. e documented under the guidance of Programme Coordinator/ Advisor/Mentor.

#### Project work:

Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or a multidisciplinary project can be assigned to an individual student or to a group having not more than 4 students. In extraordinary cases, like the funded projects requiring students from different disciplines, the project student strength can be 5 or 6. CIE procedure for Project Work Phase - 1:

(i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

The CIE marks awarded for the project work phase -1, shall be based on the evaluation of the project work phase -1 Report (covering Literature Survey, Problem identification, Objectives and Methodology), project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.

(ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable.

The CIE marks awarded for the project work phase -1, shall be based on the evaluation of project work phase -1 Report (covering Literature Survey, Problem identification, Objectives and Methodology), project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

Internship: All the students admitted to III year of BE/B. Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

Maharala Institute of Technicaleny



the second se	mme: CIVIL MESTER	ENGINEER	MINU	A SHITE OF SHITE				19.20		Instice		and the second
					Teaching Hours /Week				E	xamination	The second second	
SI. No	Course and Course code		Course Title	Teaching Department	Theory Lecture Tutorial Practical/ Drawing		Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits	
1	PCC	18CV81	Design of Pre-stressed Concrete	Civil Engg.	3		-	03	40	60	100	3
.2	PEC	18CV82X	Professional Elective - 4	Civil Engg.	3			03	40	60	100	3
3	Project	18CVP83	Project Work Phase - 2	Civil Engg.			16	03	40	60	100	8
4	Seminar	18CVS84	Technical Seminar	Civil Engg.			2	03	100		100	1
5	Internship	18CV185	Internship	Completed during semesters and /or V				03	40	60	100	3
8CV821	ode under 18CV	/82X	Course Title Bridge Engineering	rofessional Electives -	4						•	
CV822			Prefabricated Structures Advanced Foundation Engineering				1000					ALL ROOM
CV823 CV824			Rehabilitation & Retrofitting			-						
3CV824			Pavement Design							Do ASI	212741	
	ork	ct Work Phase	- 2: be awarded by a committee consisting of the l	Head of the concerned	Departmer	nt and tw	o senior facu	ilty members	of the Dep	artment, or	ne of whom	shall b

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



(i) Single discipline: Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department. (ii) Interdisciplinary: Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the student/s belongs to.

Internship: Those, who have not pursued /completed the internship, shall be declared as fail and have to complete during subsequent University examination after satisfying the internship requirements.

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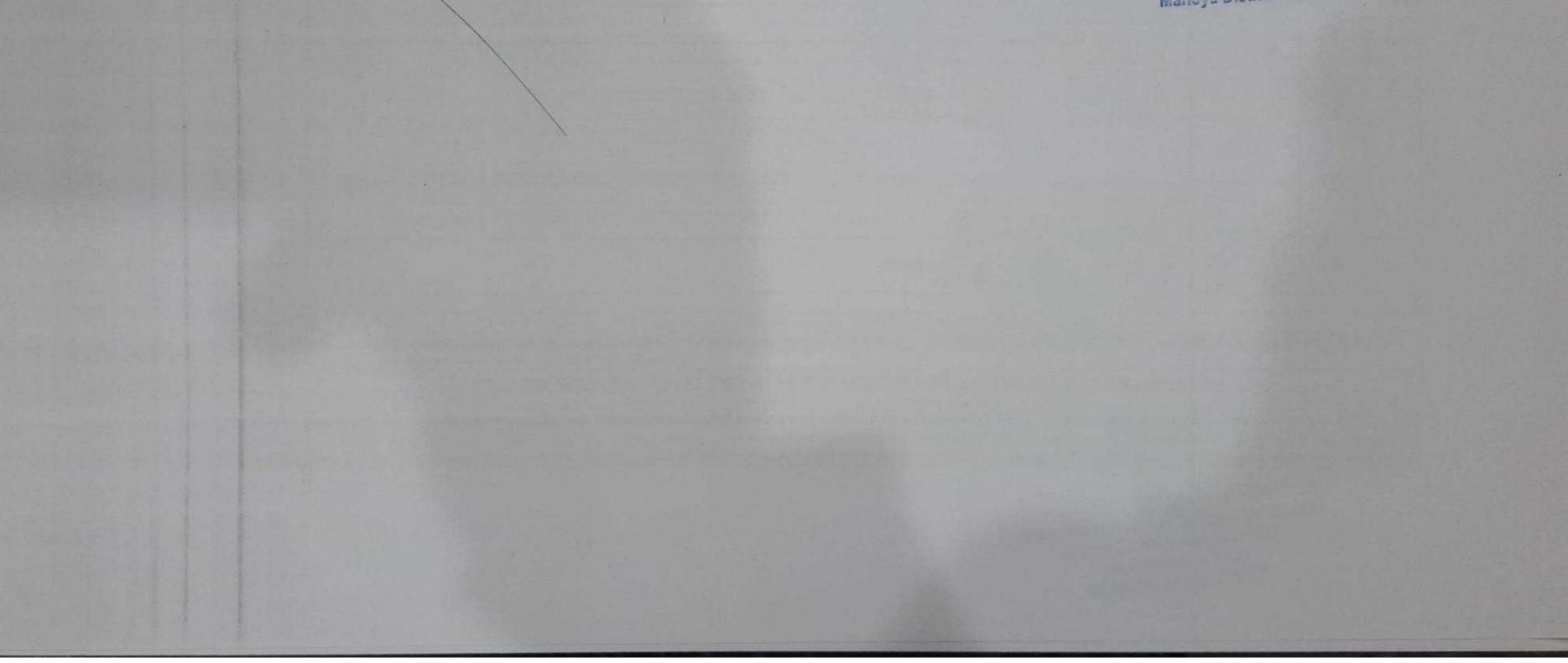
AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Activity points of the students who have earned the prescribed AICTE activity Points shall be sent the University along with the CIE marks of 8th semester. In case of students who have not satisfied the AICTE activity Points at the end of eighth semester, the column under activity Points shall be marked NSAP (Not Satisfied Activity Points).

Maharaja Institute of Technology Mysore

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Maharaja Institute of Technology Mysör Belawadi, Naguvanahalli Post Scirangapatna Teluk Mandya District - 571477





ma	EMESTE	R			Teachin	g Hours	Weck		Exam	ination		1
SI. No	Course and Course Code		Course Title	Teaching Department	Theory Lecture	H Tutorial	- Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
	BSC	18MAT31	Transform Calculus, Fourier Series	Mathematics	2	2		03	40	60	100	3
1	PCC	18CS32	And Numerical Techniques Data Structures and Applications	CS/IS	3	2		03	40	60	1.00	4
2	PCC	18CS33	Analog and Digital Electronics	CS/IS	3	0		03	40	60	100	3
4	PCC	18CS34	Computer Organization	CS/IS	3	0		03	40	60	100	3
5	PCC	18CS35	Software Engineering	CS/IS	3	0		03	40	60	100	3
6	PCC	18CS36	Discrete Mathematical Structures	CS/IS	3	0		03	40	60	100	3
7	PCC	18CSL37	Analog and Digital Electronics Laboratory	CS / IS		2	2	03	40	60	100	2
8	PCC	18CSL38	Data Structures Laboratory	CS/IS		2	2	0.3	40	60	100	2
	HSMC	18KVK39 18KAK39	Vyavaharika Kannada (Kannada for communication)/ Aadalitha Kannada (Kannada for Administration)	HSMC	1	2		1	100		100	1
		OR	OR			1		02	40	60		
		18CPC39	Constitution of India, Professional		Exam	ination i		the second s				
-	and the second		Ethics and Cyber Law		17	08		24	420	480		
				TOTAL	OR	OR	04	OR	OR	OR	900	2
				TOTAL	18	10		26	360	540	1. 00000	
18K	VK39 Vya	vaharika Kann	CC: Professional Core, HSMC: Humani ada (Kannada for communication) is fo	r non-Kannada sp	eaking, re	IC: Non- ading an	credit n d writin	andator g studen	y course its and 1	8KAK3	9 Aadal	itha
18K	VK39 Vya nada (Kann	vaharika Kann ada for Admin	ada (Kannada for communication) is fo istration) is for students who speak, rea	r non-Kannada sp d and write Kanna	eaking, re ada.	ading ar	d writin	g studen	its and 1	8KAK3	9 Aadal	itha
18K Kan	VK39 Vya nada (Kann	vaharika Kann ada for Admin Course pres	ada (Kannada for communication) is fo istration) is for students who speak, rea scribed to lateral entry Diploma h	r non-Kannada sp d and write Kanna olders admitte	eaking, re ada.	ading ar	d writin	g studen	its and 1	8KAK3	9 Aadal	itha
18K Kan 10 (a)T	VK39 Vya nada (Kann NCMC he mandato	vaharika Kann ada for Admin Course pres 18MATDIP ory non – cred	ada (Kannada for communication) is for istration) is for students who speak, rea scribed to lateral entry Diploma h 31 Additional Mathematics - I it courses Additional Mathematics I an	r non-Kannada sp d and write Kanna olders admittee Mathematics d II prescribed fo	eaking, re ada. d to III s 02 r III and 1	emester 01	of En	g studen gineeri 03 pectively	ng pros 40 y, to the	grams 60 lateral	100 entry Di	0 plon
18K Kan 10 (a)T hold cour pres sem (b) 1 Late	VK39 Vya nada (Kann NCMC he mandato ers admitte se and app cribed CIE ester/s to ap These Court Court Cal entrant	vaharika Kann ada for Admin Course pres 18MATDIP ory non – cred d to III semest ear for the Un marks, he/she opear for SEE. ses shall not be ourses prese students from	ada (Kannada for communication) is for istration) is for students who speak, rea <b>cribed to lateral entry Diploma h</b> 31 Additional Mathematics - I it courses Additional Mathematics I and ter of BE/B.Tech programs, shall attend iversity examination. In case, any stud shall be deemed to have secured F graves considered for vertical progression, but <b>ribed to lateral entry B. Sc degree</b> B.Sc. Stream, shall clear the non-credit	r non-Kannada sp d and write Kanna olders admitted Mathematics d II prescribed fo d the classes durin ent fails to registe de. In such a case t completion of the <b>holders admit</b> courses Engineer	d to III s d to III s 02 or III and ng the res er for the c, the stud e courses ted to II ring Graph	emester 01 IV seme pective s said cou ents hav shall be I semes nics and	d writin r of En 	g studen gineerin 03 pectively s to com s to secu ill the re ory for th Enginee s of Civ	ng prog 40 40 y, to the plete all ure the i equirement in award ring prog til Engin	grams 60 lateral l the for minimum ents duri	100 entry Di malities m 40 % ing subso ee ee is ind Mecl	0 plon of the eque
18K Kan 10 (a)T hold cour pres sem (b) 1 Late of th man	VK39 Vya nada (Kann NCMC he mandato ers admitte se and app cribed CIE ester/s to ap These Court Court ral entrant he First Ye datory for t	vaharika Kann ada for Admin Course pres 18MATDIP ory non – cred d to III semest ear for the Un marks, he/she opear for SEE. ses shall not be ourses prese students from ar Engineering he award of de	ada (Kannada for communication) is for istration) is for students who speak, rea <b>cribed to lateral entry Diploma h</b> 31 Additional Mathematics - I it courses Additional Mathematics I and ter of BE/B.Tech programs, shall attend iversity examination. In case, any stud shall be deemed to have secured F graves considered for vertical progression, but <b>ribed to lateral entry B. Sc degree</b> B.Sc. Stream, shall clear the non-credit g Programme. These Courses shall not	r non-Kannada sp d and write Kanna olders admitted Mathematics d II prescribed fo d the classes durin ent fails to registe de. In such a case t completion of th <b>holders admit</b> courses Engineer t be considered fo	d to III s d to III s 02 or III and ng the resp er for the c, the stud e courses ted to II ring Graph or vertica	emester 01 IV seme pective s said cou ents hav shall be I semes nics and 1 progres	d writin r of En  sters res emesters rse/ fail e to fulf mandato ter of H Element ssion, bu	g studen gineerin 03 pectively s to com s to secu ill the re ory for the Enginee s of Civ at comp	ng prog 40 40 y, to the oplete all ure the t equirement at award ring prog the award ring prog	grams 60 lateral l the for minimum ents duri of degr rogram eering a f the co	100 entry Di malities m 40 % ing subso ee is ind Mech ourses sh	of the plon of the

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

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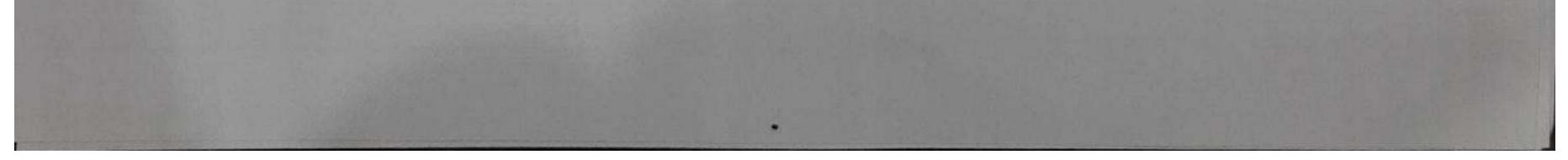


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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Scheme of Teaching and Examination 2018 – 19 Scheme of Teaching and Examination 2018 – 19
Choice Based Credit System (CBCS) AND Outcome Based Education
(Effective from the academic year 2018 – 19)

	EMESTEI	N			Teachin	g Hours	/Week	1	Exan	nination	T	
SL. No	1,207.0	irse and rse Code	Course Title	Teaching Department	Theory Lecture	Tutorial	Tractical	Duration in hours	CIE Marks	SEE Marks	Total Marks	Cradite
-	BSC	18MAT41	Complex Analysis, Probability and	Mathematics	L 2	т 2	P	03	40	60	100	3
1	PCC		Statistical Methods Design and Analysis of					03	40	60	100	4
		18CS42	Algorithms	CS / IS	3	2			10		100	3
3	PCC	18CS43	Operating Systems	CS / IS	3	0		03	40	60	100	3
4	PCC	18SC44	Microcontroller and Embedded Systems	CS/IS	3	0		03	40			
5	PCC	18CS45	Object Oriented Concepts	CS/IS	3	0	1441	03	40	60	100	3
6	PCC	18CS46	Data Communication	CS/IS	3	0		03	40	60	100	3
7	PCC	18CSL47	Design and Analysis of Algorithm Laboratory	CS / IS		2	2	03	40	60	100	
8	PCC	18CSL48	Microcontroller and Embedded Systems Laboratory	CS/IS	-	2	2	03	40	60	100	2
		18KVK49 18KAK49	Vyavaharika Kannada (Kannada for communication)/			2			100			
9 F	HSMC		Aadalitha Kannada (Kannada for Administration)	HSMC		1 tong		C. P. C.			100	1
2		OR	OR					02 1	10	60	a la como de	
	1200	UK	Constitution of India Defection 1		I Examination							
,		18CPC39	Constitution of India, Professional Ethics and Cyber Law	and Cyber Law Examination is by objective type questions           IT         08         24         420         480           TOTAL         OR         OR         04         OR         OR         90								
		The second second	Constitution of India, Professional Ethics and Cyber Law			100000000000000000000000000000000000000	-	ctive typ	e quest	ions		
		The second second	the second s	TOTAL	17	08	s by obje	ective type 24	e quest 420	ions 480	900	24
Note		18CPC39 sic Science, PC	Ethics and Cyber Law	ty and Social Scie	17 OR 18 nce, NCM	08 OR 10 IC: Non-	s by obje 04. -credit m	ective type 24 OR 26 andatory	de quest 420 OR 360 / course	ions 480 OR 540		
Note 18K Kani	VK49 Vya nada (Kann	18CPC39 sic Science, PC vaharika Kann ada for Admin	Ethics and Cyber Law C: Professional Core, HSMC: Humani ada (Kannada for communication) is for istration) is for students who speak, rea	ty and Social Scie or non-Kannada sp id and write Kanna olders admitter	17 OR 18 nce, NCM eaking, re ada.	08 OR 10 IC: Non- ading an	s by obje 04 credit m	ctive typ 24 OR 26 andatory g student	be quest 420 OR 360 / course ts and 13	ions 480 OR 540 8KAK4 grams	9 Aadali	tha
Note 18K Kani 10 (a)T	VK49 Vya nada (Kann NCMC he mandato	18CPC39 sic Science, PC vaharika Kann ada for Admin Course pres 18MATDIP ory non – cred	Ethics and Cyber Law CC: Professional Core, HSMC: Humani ada (Kannada for communication) is for istration) is for students who speak, rea cribed to lateral entry Diploma h 41 Additional Mathematics - II it courses Additional Mathematics I an	ty and Social Scie or non-Kannada sp ad and write Kanna olders admitted Mathematics ad II prescribed fo	17 OR 18 nce, NCM eaking, re ada. d to III se 02 r III and I	08 OR 10 IC: Non- ading an emester 01 V seme	of Ens	ctive typ 24 OR 26 andatory g student gineerin 03 pectively	20 420 0R 360 / course ts and 13 9 9 40 /, to the	ions 480 OR 540 8KAK4 grams 60 lateral	9 Aadali 100 entry Di	tha 0
Note 18K Kani 10 (a)T hold cour press seme (b) 7	VK49 Vya nada (Kann NCMC he mandato lers admitte se and app cribed CIE ester/s to ap These Cours Co	18CPC39 sic Science, PC vaharika Kann ada for Admin Course pres 18MATDIP ory non – cred d to III semest ear for the Un marks, he/she opear for SEE. ses shall not be ourses presc	Ethics and Cyber Law CC: Professional Core, HSMC: Humani ada (Kannada for communication) is for istration) is for students who speak, rea scribed to lateral entry Diploma h 41 Additional Mathematics - II it courses Additional Mathematics I and ter of BE/B.Tech programs, shall atten iversity examination. In case, any stud shall be deemed to have secured F graves considered for vertical progression, but ribed to lateral entry B. Sc degree	ty and Social Scie or non-Kannada sp ad and write Kanna nolders admitted Mathematics ad II prescribed fo d the classes durin lent fails to registe ide. In such a case at completion of th e holders admit	17 OR 18 nce, NCM eaking, reada. d to III se 02 r III and I ng the resp er for the c, the stude c courses ted to III	08 OR 10 IC: Non- ading an emester 01 V seme bective s said cou ents hav shall be	o4 o4 o4 of Eng of Eng of Eng of Eng sters responses rese/ fail e to fulf mandato ter of F	ctive typ 24 OR 26 andatory g student gineerin 03 pectively s to com s to secu ill the re- ry for th Cnginee	A course a cour	ions 480 OR 540 8KAK4 grams 60 lateral l the for minimum ents duri of degr	9 Aadali 100 entry Di malities n 40 % ng subse ee	tha 0 ploma of the equen
Note 18K Kani 10 (a)T hold cour press seme (b) T Late of th	VK49 Vya nada (Kann NCMC he mandato lers admitte se and app cribed CIE ester/s to ap These Cours Co ral entrant he First Ye	18CPC39 sic Science, PC vaharika Kann ada for Admin Course pres 18MATDIP ory non – cred d to III semest ear for the Un marks, he/she opear for SEE. ses shall not be ourses presc students from	Ethics and Cyber Law C: Professional Core, HSMC: Humani ada (Kannada for communication) is for istration) is for students who speak, rea cribed to lateral entry Diploma h 41 Additional Mathematics - II it courses Additional Mathematics I and ter of BE/B.Tech programs, shall atten iversity examination. In case, any stud shall be deemed to have secured F graves considered for vertical progression, but ribed to lateral entry B. Sc degree B.Sc. Stream, shall clear the non-credit programme. These Courses shall no	ty and Social Scie or non-Kannada sp ad and write Kanna olders admitted Mathematics ad II prescribed fo d the classes durin lent fails to registe ide. In such a case at completion of th e holders admit t courses Engineer	17 OR 18 nce, NCM eaking, reada. d to III se 02 r III and I ng the resp er for the e, the stude e courses ted to III ring Graph	08 OR 10 IC: Non- ading an emester 01 V seme bective s said cou ents hav shall be shall be	o4 o4 o4 of English of English of English of English of English of fail e to fulfish mandato ter of H Element	ctive typ 24 OR 26 andatory g student gineerin 03 bectively to com s to secu ill the re- ry for th Cnginee s of Civ	A course 360 A course and 1 A course	ions 480 OR 540 8KAK4 grams 60 lateral the for minimul ents duri	9 Aadali 100 entry Dip malities n 40 % ng subse ee is und Mech	tha 0 ploma of the equen

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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#### ' VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examination 2018 – 19 Choice Based Credit System (CBCS) AND Outcome Based Education (OBE)

Effective from	the academic	year 2018	5-19)
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					the second s	ning H Week	ours		Exam	nation		
il. Vo	Course and Course code		Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
			and the second second second second	and the state of the state	L	Т	Р	1				1.1
1	HSMC	18CS51	Management, Entrepreneurship for IT idustry	HSMC	2	2		03	40	60	100	3
2	PCC	18CS52	Computer Networks and Security	CS/IS	3	2	**	03	40	60	100	4
3	PCC	18CS53	Database Management System	CS/IS	3	2		03	40	60	100	4
4	PCC	18CS54	Automata theory and Computability	CS/IS	3			03	40	60	100	3
5	PCC	18CS55	Application Development using Python	CS/IS	3		1	03	40	60	100	3
6	PCC	18CS56	Unix Programming	CS/IS	3			03	40	60	100	3
7	PCC	18CSL57	Computer Network Laboratory	CS/IS		2	2	03	40	60	100	2
8	PCC	18CSL58	DBMS Laboratory with mini project	CS/IS		2	2	03	40	60	100	2
9	HSMC .	18CIV59	Environmental Studies	Civil/ Environmental [Paper setting: Civil Engineering Board]	1	1	1	02	40	60	100	1
		d		TOTAL	18	10	04	26	360	540	900	25

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			ISVESVARAYA TECHNOLO Scheme of Teaching a e Based Credit System (CBC	and Exam S) AND O	ination utcome	2018 Based	– 19 d Educa					
VI S	EMESTE	R	(Effective from the a	academic		1990		-				-
SI. No		ourse and ourse code	Course Title	Teaching Department	Teachin Lecture	Tutorial Bu	Practical/	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
				-	L	т	Р	Di	G	St	To	12
1	PCC	18CS61	System Software and Compilers	CS/IS	3	2		03	40	60	100	4
2	PCC	18CS62	Computer Graphics and Visualization	CS/IS	3	2		03	40	60	100	4
3	PCC	18CS63	Web Technology and its applications	CS/IS	3	2		03	40	60	100	4
4	PEC	18CS64X	Professional Elective -1	CS/IS	3			03	40	60	100	3
5	OEC	18CS65X	Open Elective -A	CS/IS	3			03	40	60	100	3
6	PCC	18CSL66	System Software Laboratory	CS/IS		2	2	03	40	60	100	2
7	PCC	18CSL67	Computer Graphics Laboratory with mini project	CS/IS		2	2	03	40	60	100	2
8	MP	18CSMP68	Mobile Application Development	CS/IS			2	03	40	60	100	2
9	INT	-	Internship	(To be carri intervening		The second s		-			-	
				semesters)	15	10	06	24	320	480	800	24
ote:	PCC: Pr	olessional core,	PEC: Professional Elective, OE: Open			project,	INT: Int	ernship.				
Cour	se code u	nder18XX64X	Course Title Professio	onal Elective	-1			-				
8CS			Data Mining and Data Warehousing		1000							
8CS	642		Object Oriented Modelling and Design	n	Tay Ser. S		The state				Sec. 199	
8CS			Cloud Computing and its Applications	the second s								
8CS		Service Service	Advanced JAVA and J2EE				i Brath		STATE &	all the	Test of the	151
8CS	645		System Modelling and Simulation			11		REURS.	1. 38		3.13.2	
8CS	651		Open Elective -A (N	lot for CSE /	ISE Progi	rams)		-			-	-
8CS		- Contractor	Mobile Application Development Introduction to Data Structures and A	Inorithms		-				a la composition de la composi		
8CS			Programming in JAVA	igoriums						-	in state of	
8CS		1. T. T. W. W.	Introduction to Operating System									-
Th Th A	ion of an op e candidate e syllabus similar cou	en elective is not a has studied the sa content of open ele rse, under any cate	ben electives offered by any Department (Plea allowed provided, me course during the previous semesters of the ctive is similar to that of Departmental core co gory, is prescribed in the higher semesters of t cumented under the guidance of Programme C	e programme. ourses or profes he programme	ssional elec	ctives.						
i) Sin Depar kill a ii) In award award SEE f i) Sin condu (ii) In condu (ii) In condu VII ar consid	ed to an ind rocedure f gle discipl tment, one nd question terdisciplin ed for the f or Mini-pr gle discipl cted at the terdisciplin cted separa nship: All od VIII sem iered as a h	dividual student or for Mini-project: ine: The CIE marks of whom shall be the and answer session mary: Continuous I dini-project, shall be roject report shall be roject: ine: Contribution to department. mary: Contribution tely at the department the students admitted esters. A University cad of passing and	bility/abilities of the student/s and recommend to a group having not more than 4 students. s shall be awarded by a committee consisting of the Guide. The CIE marks awarded for the Min n in the ratio 50:25:25. The marks awarded for nternal Evaluation shall be group wise at the co- be based on the evaluation of project report, pro- be the same for all the batch mates. to the Mini-project and the performance of each to the Mini-project and the performance of each ents to which the student/s belongs to. ed to III year of BE/B. Tech shall have to under y examination shall be conducted during VIII shall be considered for the award of degree. The sity examination after satisfying the internship	of the Head of ni-project work the project rep college level wi oject presentat h group member ch group member ch group member rgo mandatory semester and th hose, who do r	the concern , shall be b port shall be th the parti- ion skill an er shall be a ber shall be internship he prescrib	ned Depa ased on t e the sam icipation id question assessed assessed e assessed of 4 wee ed credit	individually characteristics of all the groon and answ individually d individual cks during to shall be ind	two senio on of proj batch ma uides of th ver session y in the se lly in sem he vacatio	or faculty ect report ates. he college h in the ra- mester end on of VI a VIII sem	member t, project e. The CI atio 50:23 nd exami examina and VII s ester. Into	s of the presentat E marks 5:25.The i nation (SEE tion (SEE emesters a	ion mark EE) E) and /
				and a state of the second			a sub- a sub- a sub-	and the second s		the second is		ng th



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		Choice	Scheme of Teaching a Based Credit System (CBC) (Effective from the a	S) AND O	utcome	e Based	l Educa	tion (C	OBE)			
VII S	SEMESTER		(Encenve from the a	icaucinic,	year 20	10-1	2					
	1258145-1				Teach	ing Hour	s /Week		Exam	ination		1
SI. No	and the second second	arse and arse code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Condition
				1-3-19278	L	T	P	-	1.000			+
1	PCC	18CS71	Artificial Intelligence and Machine Learning	CS/IS	4	-	-	03	40	60	100	4
2	PCC	18CS72	Big Data Analytics	CS/IS	4	-		03	40	60	100	100
3	PEC	18CS73X	Professional Elective – 2	CS/IS	3	-		03	40	60	100	-
4	PEC	18CS74X	Professional Elective - 3	CS/IS	3		-	03	40	60	100	1
5	OEC	18CS75X	Open ElectiveB	CS/IS	3	-		03	40	60	100	3
6	PCC	18CSL76	Artificial Intelligence and Machine Learning Laboratory	CS / IS		-	2	03	40	60	100	1
7	Project	18CSP77	Project Work Phase - 1	CS/IS			2		100		100	
8	INT		Internship	(If not com carried out	pleted du during th	tring the interve	vacation o	of VI and tions of	VII sen VII and	vill se	it has to mesters	be
				TOTAL	17	- 1	04	18	340	360	700	2
	: PCC: Profe		EC: Professional Elective, OEC: Ope Profession Course Title	n Elective, I nal Elective		rnship.						
	1805		Software Architecture and Design	Patterns		all and						62
	1805		High Performance Computing									
	1805		Advanced Computer Architecture									
-	1805		User Interface Design			a na se						
				al Electives	- 3							
Cour	rse code unde	er 18CS74X	Course Title						Statute 1			here
	18CS	\$741	Digital Image Processing						2-11-			
	18CS	5742	Network management									-
	18CS	5743	Natural Language Processing				1112 314					_
- 11	18C5	\$744	Cryptography				S THE					
	18CS	\$745	Robotic Process Automation Desig	the second se			a share	310 30				
5.		Set and the	Open Elective -B (No	ot for CSE / I	SE Progr	ams)						
		and the second	T									
	1805	\$751	Introduction to Big Data Analytics									
	1805	\$752	Python Application Programming									
		\$752 \$753		ce								

6

Students can select any one of the open electives offered by any Department (Please refer to the list of open electives under 18CS75X). Selection of an open elective is not allowed provided,

- · The candidate has studied the same course during the previous semesters of the programme.
- · The syllabus content of open elective is similar to that of Departmental core courses or professional electives.
- · A similar course, under any category, is prescribed in the higher semesters of the programme.

Registration to electives shall be documented under the guidance of Programme Coordinator/ Adviser/Mentor.

Project work: Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or a multidisciplinary project can be assigned to an individual student or to a group having not more than 4 students. In extraordinary cases, like the funded projects requiring students from different disciplines, the project student strength can be 5 or 6.

CIE procedure for Project Work Phase - 1:

(i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the project work phase -1, shall be based on the evaluation of the project work phase -1 Report (covering Literature Survey, Problem identification, Objectives and Methodology), project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.

(ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work phase -1, shall be based on the evaluation of project work phase -1 Report. project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

Internship: All the students admitted to III year of BE/B. Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not takeup/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.



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	SEMESTER				Teachin	ng Hours	Week		Examir	nation	-	
SI. No	1000000	rse and se code	Course Title	Teaching Department	r Theory Lecture	H Tutorial	- Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	18CS81	Internet of Things	CS/IS	3			03	40	60	100	3
2	PEC	18CS82X	Professional Elective - 4	CS/IS	3			03	40	60	100	3
3	Project	18CSP83	Project Work Phase - 2	CS/IS			2	03	40	60	100	8
4	Seminar	18CSS84	Technical Seminar	CS/IS			2	03	100		100	1
5	INT	18CSI85	Internship	(Completinterveni VII seme VII seme	ng vacati sters and	ons of V	Decision Contract Section 11	03	40	60	100	3
				TOTAL	06		04	15	260	240	500	1
Note:	PCC: Profe	ssional Core	, PEC: Professional Elective, OEC	: Open Elective, essional Electives		ternshij	).					
and a start of the	se code 18CS82X	Course T					14.			16A		
8CS	821	Mobile C	omputing		1. 7.1.	N. Maria						
8CS	822	the second se	Area Networks							1020.20		
8CS	823	NoSQL D		A BY MARKEN								
8CS	0.24		Architecture and Programming	and the second second	2	1000 1 C				-		

1000024 Multicore Architecture and Programming

#### Project Work CIE procedure for Project Work Phase - 2:

(i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

(ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

#### SEE for Project Work Phase - 2:

(i) Single discipline: Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.

(ii) Interdisciplinary: Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the student/s belong to.

Internship: Those, who have not pursued /completed the internship shall be declared as fail and have to complete during subsequent University examination after satisfying the internship requirements

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card. Activity points of the students who have earned the prescribed AICTE activity Points shall be sent the University along with the CIE marks of 8th semester. In case of students who have not satisfied the AICTE activity Points at the end of eighth semester, the column under activity Points shall be marked NSAP (Not Satisfied Activity Points).

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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Denne	amma RE. E	lectronics & C	ommunication Engineering	A DE LE REAL PROVINCE AND A DE L	1	Sec. 1	and the second		1.1.1.1.2.2.3			-
rrogr	annie, b.c. c	Accuonics & c		VI SEMESTER						-		
	1. 2		A CONTRACTOR OF THE OWNER AND A CONT		Teachin	g Hours /	Week		Examin	ation		
SI. No	(CO211100)	se and se code	Course Title	Teaching Department	r Theory Lecture	H Tutorial	Tractical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	18EC61	Digital Communication		3	2		03	40	60	100	4
1		18EC62	Embedded Systems		3	2		03	40	60	100	4
2	PCC	18EC62	Microwave and Antennas		3	2		03	40	60	100	4
3	PCC	18XX64X	Professional Elective -1		3			03	40	60	100	3
4	PEC	18XX65X	Open Elective -A		3			03	40	60	100	3
2	OEC	18ECL66	Embedded Systems Laboratory			2	2	03	40	60	100	2
0	PCC	18ECL60	Communication Laboratory			2	2	03	40	60	100	2
1	PCC	18ECMP68	Mini-project				2	03	40	60	100	1 4
8	MP	Telecimitos	Internship	To be carried out d	luring the v	acation/s	of VI and V	II semest	ers and /o	r VII and	VIII sem	lesters
9	Internship		Internome	TOTAL	15	10	6 .	24	320	480	800	2
			C: Professional Elective, OE: Open H	Elective, MP: Mini-pro Professional Elective	ject. -1							
Co	urse code unde	er 18XX64X	Course Title									
18EC		And the second second	Operating System	the second second second	the sector of							
18EC	the second s	anti-terration of the	Artificial Neural Networks									
18EC			Data Structures using C++	and the second second		The same	and the second second		-			
18EC			Digital System Design Using Verile	og	the second second							
18EC			Nanoelectronics	and a state of the second	al august of					A		
	646		Python Application Programming		The second second		and the state of the			1	The second secon	

Maharaja Institute of technology Mysore Belawadi, Naguvanahalli Post Srirarigapatna Taluk Mandya District - 571477



			Scheme of Teaching and E Outcome Based Education (OBE) and Cho (Effective from the academ)	oice Based	Credit S		CBCS)		1			
Prog	ramme: l	B.E: Electronics &	Communication Engineering					Sec. 1				
-		and the second second	III SEMES	TER								
100			the second se		Teachi	ng Hour	s/Week		Exam	ination		
SL No		Course and Course Code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	:
					L	Т	Р	E	0	s	E.	
1	BSC	18MAT31	Transform Calculus, Fourier Series and Numerical Techniques	Mathe matics	2	2		03	40	60	100	3
2	PCC	18EC32	Network Theory		3	2		03	40	60	100	4
3	PCC	18EC33	Electronic Devices		3	0		03	40	60	100	3
4	PCC	18EC34	Digital System Design		3	0		03	40	60	100	2
5	PCC	18EC35	Computer Organization & Architecture		3	0		03	40	60	100	
6	PCC	18EC36	Power Electronics & Instrumentation		3	0		03	40	60	100	
7	PCC	18ECL37	Electronic Devices & Instrumentation Laboratory			2	2	03	40	60	100	2
8	PCC	18ECL38	Digital System Design Laboratory			2	2	03	40	60	100	4
		18KVK39/49	Vyavaharika Kannada (Kannada for Communication)/			2			100		1	
	4C	18KAK39/49	Aadalitha Kannada (Kannada for Administration)	VOMO		-					100	1
9	HSM		OR	HSMC	-						100	
	H	18CDC20/40	Constitution of India, Professional Ethics and Cyber		1			02	40	60	Ser 1	100
		18CPC39/49	Law				y objectiv			480	-	
			and the second	TOTAL	17	10 OR	04	24 OR	420 OR	OR	900	24
				TOTAL	OR 18	08	04	26	360	540	A MA	

Principal Maharaia Institute of Technology Mysore Beluk au Rogaranatatti Post Shirangapatna Tituk Manciya District - 571477



	Course pr	escribed to lateral entry Diploma	holders admitted to	III sem	ester o	f Engine	ering pr	ograms			
0 NCMC	18MATDIP31	Additional Mathematics - I	Mathematics	02	01		03	40	00	100	(
The mandat Iders admitte	ory non – credit co ed to III semester of pear for the Univer-	purses Additional Mathematics I a of BE/B.Tech programs, shall atter rsity examination. In case, any st Il be deemed to have secured F g	nd II prescribed for nd the classes during udent fails to register	III and I the resp r for the	pective said c	semester ourse/fai	s to com ls to sec	cure the	minimu	m 40%	0

Courses prescribed to lateral entry B. Sc degree holders admitted to III semester of Engineering programs

Lateral entrant students from B.Sc. Stream, shall clear the non-credit courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

AICTE Activity Points to be earned by students admitted to BE/B. Tech/B. Plan day college programme (For more details refer to Chapter 6, AICTE Activity Point Programme, Model Internship Guidelines):

Over and above the academic grades, every Day College regular student admitted to the 4 years Degree programme and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. Students transferred from other Universities to fifth semester are required to earn 50 Activity Points from the year of entry to VTU. The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

The activities can be can be spread over the years, anytime during the semester weekends and holidays, as per the liking and convenience of the student from the year of entry to the programme. However, minimum hours' requirement should be fulfilled. Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.

In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be is sued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

> Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



		Outcome Based Educatio (Effective	<b>feaching and E</b>	xamination 2 hoice Based	2018 – 19 Credit Syst							
Program	mme: B.E: Electronics & Com	imunication Engineering	IV SEMES	STER	Teeshin	Uours	Week		Exami	nation		
SI. N 0	Course and Course code	Course Title		Teaching Department	Teaching Trecture Tecture	Tutorial	Practical/ Drawing	Juration in hours	CIE Marks	SEE Marks	fotal Marks	Cradite

	a la company a superior de la company de		and the second se		L	Т	P					1
1	BSC	18MAT41	Complex Analysis, Probability and Statistical Methods	Mathe matics	2	2		03	40	60	100	3
2	PCC	18EC42	Analog Circuits		3	2		03	40	60	100	4
3	PCC	18EC43	Control Systems		3	0		03	40	60	100	3
4	PCC	18EC44	Engineering Statistics & Linear Algebra		3	0		03	40	60	100	3
5	PCC	18EC45	Signals & Systems		3	0		03	40	60	100	3
6	PCC	18EC46	Microcontroller		3	0		03	40	60	100	3
7	PCC	18ECL47	Microcontroller Laboratory			2	2	03	40	60 60	100	2
8	PCC	18ECL48	Analog Circuits Laboratory			2	2	03	40	00	100	
		18KVK39/49	Vyavaharika Kannada (Kannada for Communication)	and the part of the		2			100			
	0	18KAK39/49	Aadalitha Kannada (Kannada for Administration)	- HSM	-		0				100	1
9	HSMC		OR	C		1		02	1 40	60	100	1
	HS		Constitution of India, Professional Ethics and Cyber		1			02	40	60	1	
	100.000	18CPC39/49	Law		Ex	amination	is by obj	ective typ		and the second sec	-	
					17	10		24	420	480		1 and
				TOTAL	OR	OR	] 04	OR	OR	OR	900	24
				The second second second	18	08		26	360	540		

26 360 540 Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taiuk Mandya District - 571477



SKVK20/40	asic Science, PCC: Pr	ofessional Core, HSMC: Humanity	and Social Science,	NCMC: N	Non-cred	lit mand	atory con	irse.			
							students	and			
01111239/49	Aadanina Kannada (K	Cannada for Administration) is for s	tudents who speak,	read and w	rite Kar	mada.		See. 6.		-	
				1.1						-	
0 NCMC	Course pres	scribed to lateral entry Diploma h	olders admitted to	III semes	ter of E	ngineer	ing prog	rams			
	18MATDIP41	Additional Mathematics – II	Mathematics	02	01		03	40	60	100	100

course and appear for the University examination. In case, any student fails to register for the said course/ fails to secure the minimum 40% of the

S

prescribed CIE marks, he/she shall be deemed to have secured F grade. In such a case, the students have to fulfill the requirements during subsequent 4 semester/s to appear for SEE.

(b) These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

Courses prescribed to lateral entry B. Sc degree holders admitted to III semester of Engineering programs

Lateral entrant students from B.Sc. Stream, shall clear the non-credit courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering Programme. These Courses shall not be considered for vertical progression, but completion of the courses shall be mandatory for the award of degree.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



Progr	amme: B.E:	Electronics & C	ommunication Engineering	he academic year 2018 -							1	-
TION			V	SEMESTER	Teaching	Hours	Week		Examina	tion	1	-
SI. No		urse and irse code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
					L	T	Р	1				22
1	110110	100001	Technological Innovation		3	0		03	40	60	100	3
1	HSMC	18ES51	Management and Entrepreneurship		3	2		03	40	60	100	4
2	PCC	18EC52	Digital Signal Processing		3	2		03	40	60	100	4
3	PCC	18EC53	Principles of Communication Systems		2	-		03	40	60	100	3
4	PCC	18EC54	Information Theory & Coding		3			03	40	60	100	3
5	PCC	18EC55	Electromagnetic Waves		3			03	40	60	100	3
6	PCC	18EC56	Verilog HDL			2	2	03	40	60	100	2
7	PCC	18ECL57	Digital Signal Processing Laboratory			2	2	03	40	60	100	2
8	PCC	18ECL58	HDL Laboratory					1				1
9	HSMC	18CIV59	Environmental Studies	Civil/Environmental [Paper setting: Civil	1		-	02	40	60	100	
			a hard the second second second	Engineering Board] TOTAL	19	8	4	26	360	540	900	

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Principal Maharaja Institute of Technology Mysore Balawadi, Nagavanahalti Post Shi angapatna Taluk Manuja District - St 1477



rogr	amme: B.E:	Electronics & C	Communication Engineering	And the second second	Law I have been	Contract of the	and the second					
1-1-	<u> </u>			VI SEMESTER								
					Teachin	g Hours	/Week		Examin	ation		
Sl. No	and the second sec	rse and rse code	Course Title	Teaching Department	Theory Lecture	I Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	DCC	100001			L 3	T 2	Р	03	40	60	100	4
2	PCC	18EC61	Digital Communication		3	2		03	40	60	100	4
2	PCC PCC	18EC62	Embedded Systems		2	2		03	40	60	100	4
4	PEC	18EC63	Microwave and Antennas		3			03	40	60	100	1 3
5	OEC	18XX64X 18XX65X	Professional Elective -1		3			03	40	60	100	3
5	PCC	18ECL66	Open Elective -A Embedded Systems Laboratory			2	2	03	40	60	100	1 2
7	PCC	18ECL67	Communication Laboratory			2	2	03	40	60	100	2
8	MP	18ECMP68	Mini-project				2	03	40	60	100	2
9	Internship		Internship	To be carried out d	uring the va	acation/s	of VI and V					nesters
-	Internation		internantp	TOTAL	15	10	6.	24	320	480	800	2
Note:	PCC: Profes	sional core, PE	C: Professional Elective, OE: Open E	lective, MP: Mini-proj Professional Elective								
Cou	rse code unde	er 18XX64X	Course Title			- Comment			CT LAND			
8EC6	541		Operating System	A State of the	Later Sta			1.1.1				
8EC6	542		Artificial Neural Networks									
8EC6	543		Data Structures using C++				Calify and					
	544	And the second sec	Digital System Design Using Verilo			A CONTRACTOR OF THE						

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Maharaja Institute of technology Mysore Belawadi, Maguvanahalli Post Srirangapatna Taluk Manoya District - 571477



OPEN E	LECTIVE group-B
18EC651	Signal Processing
18EC652	Sensors & Signal Conditioning
18EC653	Virtual Instrumentation
18EC654	Microcontrollers
18EC655	Basic VLSI Design

Students can select any one of the open electives offered by other Departments except those that are offered by the parent Department (Please refer to the list of open electives under 18XX65X).

Selection of an open elective shall not be allowed if,

The candidate has studied the same course during the previous semesters of the programme.

• The syllabus content of open elective is similar to that of the Departmental core courses or professional electives.

A similar course, under any category, is prescribed in the higher semesters of the programme.

Registration to electives shall be documented under the guidance of Programme Coordinator/ Advisor/Mentor.

Mini-project work:

Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or a multidisciplinary Mini- project can be assigned to an individual student or to a group having not more than 4 students.

#### **CIE procedure for Mini-project:**

(i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

The CIE marks awarded for the Mini-project work, shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates. (ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all the guides of

the college. The CIE marks awarded for the Mini-project, shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

#### SEE for Mini-project:

(i) Single discipline: Contribution to the Mini-project and the performance of each group member shall be assessed individually in the semester end examination (SEE) conducted at the department.

(ii) Interdisciplinary: Contribution to the Mini-project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the student/s belong to. Principal Maharaja Institute of Technology Mys



Belawadi,

Mandya District - 571477

Internship: All the students admitted to III year of BE/B.Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the internship requirements.

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Principal Maharaja Institute of Technology Mysora

Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



Digital Image Processing		U)	18EC733
Satellite Communication		2	18EC732
Real Time Systems		1	18EC731
Course Title	18XX73X	under	Course code
ssional Elective.	core, PEC: Professional	PCC: Professional	Note: P
	All and the second		
Internship	1	Internship	9
Project Work Phase - 1	18ECP78	Project	~
VLSI Laboratory	18ECL77	PCC	7
Computer Networks Lab	18ECL76	PCC	6
Open Elective -B	18XX75X	OEC	5
Professional Elective - 3	18XX74X	PEC	4.
2.20	18XX73X	PEC	3
VLSI Design	18EC72	PCC	2
Computer Networks	18EC71	PCC	-
Course Title	Course and Course code	Course and Course code	SI. No
Communication Engineering	Electronics & Comm	B.E:	Programme:
Outran D. In			

38

18EC734

DSP Algorithms & Architecture TECHNOLOGICAL UNIVERSITY, BELAGAVI of Teaching and Examination 2018-19 ation (OBE) and Choice Based Credit System (CBCS) ctive from the academic year 2018 - 19) **Professional Elective - 2** VII SEMESTER ٠ (If not completed during the vacation of VI and VIIduring the vacation of VII and VIII semesters)TOTAL15040611 Teaching Department Theory **Teaching Hours** 1 1 Lecture 1 1 NNII ł 1 Tutorial 1 Practical/ NNNIIIII -Drawing **Duration** in 03 03 03 03 03 03 hours semesters, Maharaja Institute of Technology I Belawadi, Naguvanahalii Por Srirangopatna Taluk Mandya District - 571477 

 Examination

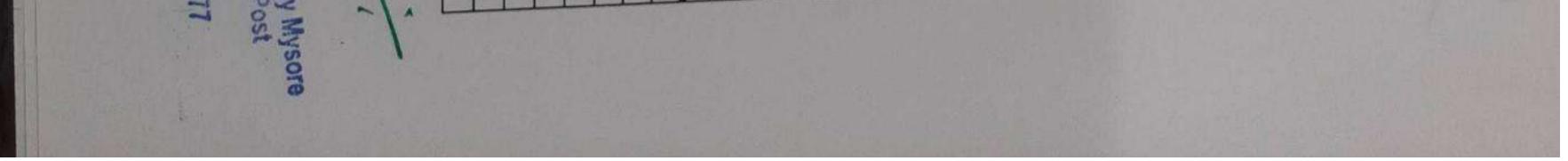
 40
 40
 CIE
 Marks

 40
 40
 60
 60

 40
 60
 60
 60

 60
 60
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 60

 100 38 it shall be carried out 420 rincipal 100 100 100 100 Total Marks 800 Credits 3



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Scheme

Course code under 18XX74X	Course Title
18EC741	IOT & Wireless Sensor Network
18EC742	Automotive Electronics
18EC743	Multimedia Communication
18EC744	Cryptography
18EC745	Machine Learning with Python
18EC751	Communication Theory
18EC752	Neural Networks
18EC753	ARM Embedded Systems
18EC754	Digital Systems Design using V
Students can select	Students can select any one of the open electives offe
(Please refer to the	(Please refer to the list of open electives under 18XX75
Selection of an onen	Selection of an one alocation of an one

• ve shall not be allowed if,

The candidate has studied the same course during

The syllabus content of open elective is similar to t

Project work: Registration to electives shall be documented under t A similar course, under any category, is prescribed

students from different disciplines, the project studen CIE procedure for Project Work Phase - 1: assigned to an individual student or to a group having Based on the ability/abilities of the student/s and rec

college. Participation of external guide/s, if any, is desi (ii) Interdisciplinary: Continuous Internal Evaluatio ratio 50:25:25. The marks awarded for the Project rep Literature Survey, Problem identification, Objectives The CIE marks awarded for the project work phase -1 faculty members of the Department, one of whom sha (i) Single discipline: The CIE marks shall be awarded irable. n shall be group wise at the college level with the participation of all guides of the

Open Elective -B
VHDL
ered by other Departments except those that are offered by the parent Department 5X).
the previous semesters of the programme. hat of the Departmental core courses or professional electives. in the higher semesters of the programme. he guidance of Programme Coordinator/ Advisor/Mentor.
ommendations of the mentor, a single discipline or a multidisciplinary project can be y not more than 4 students. In extraordinary cases, like the funded projects requiring It strength can be 5 or 6.
by a committee consisting of the Head of the concerned Department and two senior II be the Guide. , shall be based on the evaluation of the project work phase -1 Report (covering
and Methodology), project presentation skill and question and answer session in the ort shall be the same for all the batch mates.

Maharaja Institute of raja Institute of Technology Belawadi, Naguranahalii Po Mandya District - 57147 Srirangapatna Taluk Pro 8



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The presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for CIE marks awarded for the project work phase -1, shall be based on the evaluation of project work phase -1 Report, project

Internship: All the students admitted to III year of BE/B.Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the University examination after satisfying the internship requirements. AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card. internship shall be declared fail and shall have to complete during subsequent A University examination shall be conducted during VIII semester and the



haraja Institute of Technology Mysore Belawadi, Naguvanahalli Post Szirungapetna Taluk

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Biomedical Signal Processing	18EC825
Optical Communication Netw	18EC824
Radar Engineering	18EC823
Micro Electro Mechanical Sys	18EC822
Network Security	18EC821
Course Title	Course code under 18XX82X

S	4	4
Internship	Seminar	Project
18EC185	18ECS84	18ECP83
Internship	Technical Seminar	Project Work Phase - 2

TOO MINING STATE OF	NPA	,
Wireless and Cellular Com	PCC 18EC81	-
Course Title	Course and Course code	SI. No
nmunication Engineering	Programme: B.E: Electronics & Communication Engineering	Progra
/Eff.		I

Scheme of Teaching and Examination 2018-19 Outcome Based Education (OBE) and Choice Based Credit System

VISVESVARAYA . Scheme o

TECHNOLOGICAL UNIVERSITY, BELAGAVI

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Project

8XX827

Professional Elective - 4

PHC

nmunication orks stems ective from the academic year 2018 - 19) **Professional Elective - 4** VIII SEMESTER semesters.) TOTAL Completed during the vacation/s of VI and VII semesters and /or VII and VIII Teaching Department Theory 90 E w w Teaching Hours /Week 1 1 Lecture 1 1 3 1 1 Tutorial (CBCS) Practical/ 1 P NNI 04 Drawing **Duration** in 03 03 03 15 hours Examination 40 260 40 CIE Marks 40 60 240 60 **SEE Marks** 1 100 100 100 500 100 **Total Marks** Credits 00 00 3 18 2 -

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477 .



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## Project Work

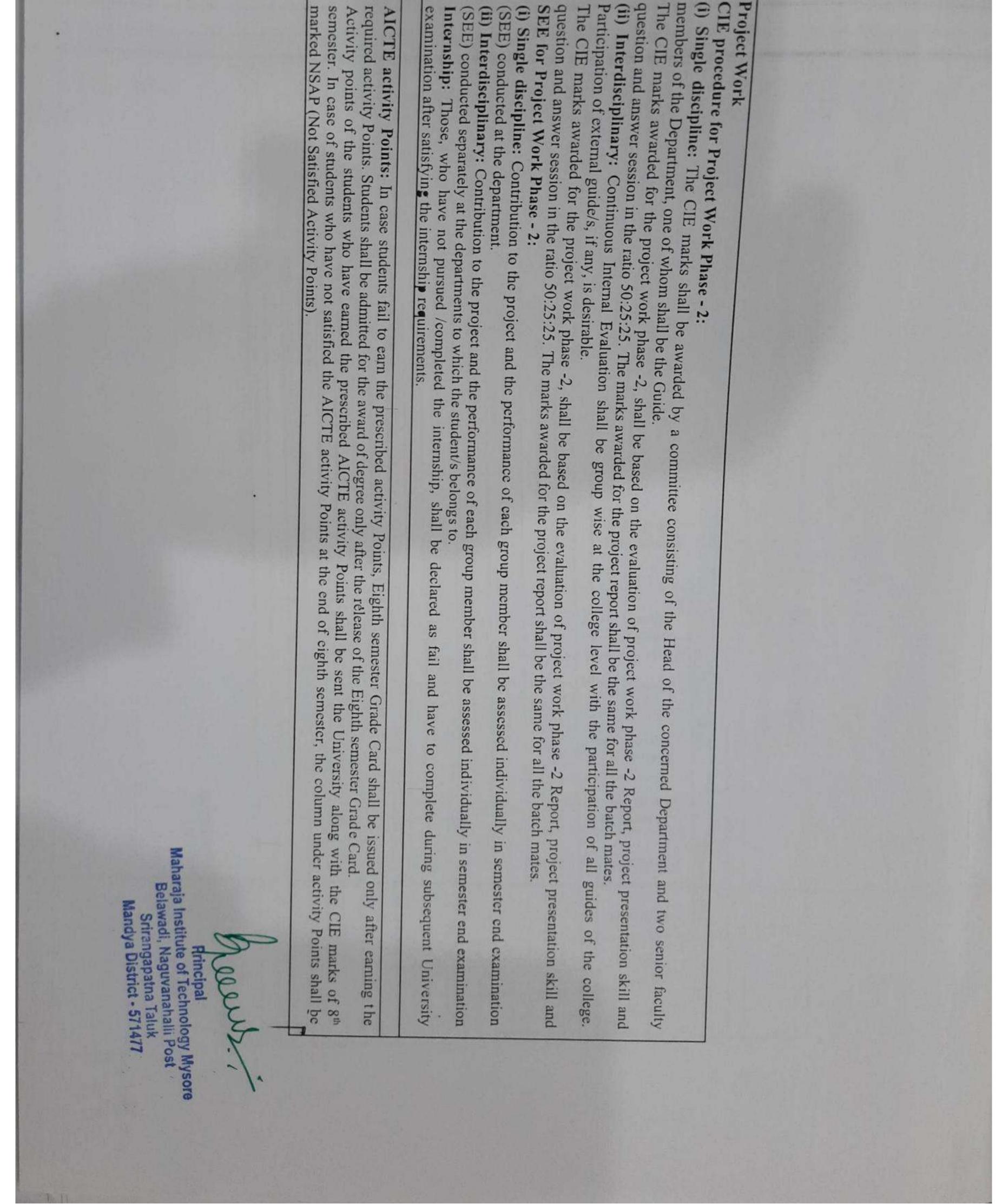
# CIE procedure for Project Work Phase - 2:

question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates. Participation of external guide/s, if any, is desirable. (ii) Interdisciplinary: Continuous Internal Evaluation shall be

question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

examination after satisfying the internship requirements. Internship: Those, (SEE) conducted separately at the departments to which the student/s belongs to. who have not pursued /completed the internship, shall be declared as fail and have

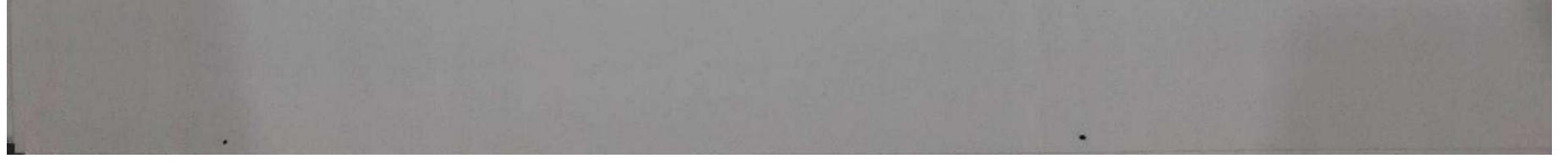
required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card. marked NSAP (Not Satisfied Activity Points). AICTE



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III	SEMESTER	2	(Effective from th		Teaching		Section 1	-	Exami	nation			
SI. No	a second s	rse and se Code	Course Title	Teaching Department	r Theory Lecture	H Tutorial	- Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits	
-			Transform Calculus, Fourier Series	Mathematics	2	2		03	40	60	100	3	
1	BSC	18MAT31	And Numerical Techniques		and the second	1 million		03	40	60	100	4	
2	PCC	18CS32	Data Structures and Applications	CS/IS	3	2		03	40	60	100	3	
3	PCC	18CS33	Analog and Digital Electronics	CS/IS CS/IS	3	0		03	40	60	100	3	
4	PCC	18CS34	Computer Organization	CS/IS	3	0		03	40	60	100	3	
5	PCC	18CS35 18CS36	Software Engineering Discrete Mathematical Structures	CS/15	3	0		03	40	60	100	3	
6	PCC PCC	18CSL37	Analog and Digital Electronics	CS/IS		2	2	03	40	60	100	2	
0	nac	107101 38	Data Structures Laboratory	CS/IS	44	2	2	03	40	60	100	2	
8	PCC	18CSL38 18KVK39	Vyavaharika Kannada (Kannada for communication)/	03715	-	2	-	-	100	-			
9	HSMC		for communication)/         8KAK39       Aadalitha Kannada (Kannada for Administration)         OR       OR         Constitution of India Professional	HSMC			1					100	1
	a second	UR			1	- 1		02	40	60	1 100	100	
		18CPC39	Ethics and Cyber Law		Exam	ination	is by obj	ective ty	pe ques	tions		-	
-		1	] Lunes and Cyber Law		17	08		24	420	480			
				TOTAL	OR	OR	04	OR	OR	OR	900	2	
181	<b>VK39</b> Vva	vaharika Kan	CC: Professional Core, HSMC: Human nada (Kannada for communication) is for	or non-Kannada s	peaking, r	10 MC: Noteading a	n-credit n ind writin	26 mandator	360 ry course nts and 1	540 e 18KAK:	39 Aadal	itha	
181	<b>VK39</b> Vva	waharika Kani nada for Admin	nada (Kannada for communication) is for nistration) is for students who speak, re-	or non-Kannada s ad and write Kann	ence, NCM peaking, re nada.	MC: Not eading a		mandato ng stude	ry course nts and 1	e ISKAK:		itha	
18 Ka 10	VK39 Vya nnada (Kani NCMC	Course pre	hada (Kannada for communication) is for nistration) is for students who speak, re- scribed to lateral entry Diploma l P31 Additional Mathematics - I	or non-Kannada s ad and write Kan holders admitte Mathematics	ence, NCM peaking, re nada. ed to III s 02 for III and	MC: Not eading a semest 01 IV sem	er of Er	ng studer	ing pro	e 18KAK: ograms 60 e lateral	100 entry D	0 iplon	
18 Ka 10 (a) ho co pre ser (b) La of ma	VK39 Vya nnada (Kam NCMC The mandate ders admitte use and app scribed CIE nester/s to a These Cour C teral entrant the First Y andatory for	Course pre 18MATDI ory non – cred d to III semes bear for the Us marks, he/she ppear for SEE rses shall not b ourses pres students from ear Engineerin the award of d	ada (Kannada for communication) is for nistration) is for students who speak, re- scribed to lateral entry Diploma [ P31 Additional Mathematics - I dit courses Additional Mathematics I and ster of BE/B.Tech. programs, shall attentive niversity examination. In case, any stu- e shall be deemed to have secured F grown to be deemed to have secured F grown to be cribed to lateral entry B. Sc degrown B.Sc. Stream, shall clear the non-creding Programme. These Courses shall non-	holders admitte Mathematics Mathematics Mathematics and II prescribed f and the classes dur dent fails to regis ade. In such a cas ade. In such a cas at completion of t ee holders admit it courses Engine ot be considered	ence, NCM peaking, renada. ed to III and 02 for III and ring the re- ster for the se, the stua the courses itted to I ering Grap for vertic	MC: Nor eading a semest 01 IV sem spective e said co dents ha s shall b II seme phics an cal prog	er of Er er of Er esters re semeste ourse/ fa ive to ful e manda ester of d Eleme ression,	ng studen ng studen 03 spective rs to con ils to set fill the r tory for Engine nts of Ci but com	ing pro ing pro 40 ly, to the mplete a cure the requirem the awar eering p ivil Engi pletion	e 18KAK grams 60 e lateral II the fo minimu ents dur ed of deg program incering of the c	100 entry D rmalities in 40 % ring subs ree ns and Mea ourses s	iplor of t seque chani hall	

Maharaja Institute of Technology Mysore Belawach, Naguvanahalli Post Shirangapatha Taluk Mandya District - 571477



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	1		VISVESVARAYA TECHNO	LOGICAL U	NIVER	SITY 2018 -	, BELA - 19	AGAV	I			
		Ou	VISVESVARAYA TECHNO Scheme of Teachin tcome Based Education (OBE) (Effective from t	and Choice I	Based (	Credit	Syste	m (CI				
VS	EMESTE	R	(Latterne		Teaching	a Hours	/Week		Exam	ination	T	-
SI. No	Cor	urse and rse Code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
					L	Т	Р				100	3
1	BSC	18MAT41	Complex Analysis, Probability And Statistical Methods	Mathematics	2	2	-	03	40	60 60	100	4
2	PCC	18CS42	Design and Analysis of	CS/IS	3	2		0.3		1.44		-
3	PCC	18CS43	Algorithms Operating Systems	CS/IS	3	0		03	40	60	100	3
4	PCC		Microcontroller and Embedded	CS/15 CS/15	3	0		03	40	60	100	2
		18SC44	Systems		3			03	40	60	100	3
5	PCC	18CS45	Object Oriented Concepts	CS/IS	3			03	40	60	100	3
5	PCC PCC	18CS46 18CSL47	Data Communication Design and Analysis of Algorithm Laboratory	CS/IS CS/IS		2	2	03	40	60	100	2
8	PCC	18CSL48	Microcontroller and Embedded Systems Laboratory	CS/IS	+7	2	2	03	40	60	100	2
		18KVK49	Vyavaharika Kannada (Kannada for communication)/	in the second		2		-	100	-		
,	HSMC	18KAK49	Aadalitha Kannada (Kannada for Administration)	HSMC							100	I
		OR	OR Constitution of India Professional		1	1	-	02	40	60		
		18CPC39	Constitution of India, Professional Ethics and Cyber Law	States and States	Exam	-	is by obje			in a start of		
		1 III - 11			17	08		24	420	480	000	
		- F - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5		TOTAL	OR 18	OR 10	04	OR 26	OR 360	OR 540	900	24
ote	: BSC: Bas	sic Science, PC	C: Professional Core, HSMC: Human	ity and Social Scie	nce, NCM	AC: Non	-credit n	nandator	y course	OV I VI	0 1 1 1	(h-
SK	VK49 Vya ada (Kann	vaharika Kann ada for Admin	ada (Kannada for communication) is for is intration) is for students who speak, re-	or non-Kannada sp ad and write Kanna	eaking, re ada.	eading a	nd writin	g studen	its and 1	8KAK4	9 Aadali	tha
8K	VK49 Vya ada (Kann	vaharika Kann ada for Admin	ada (Kannada for communication) is for istration) is for students who speak, re- cribed to lateral entry Diploma	or non-Kannada sp ad and write Kanna	eaking, re ada.	eading a	nd writin	g studen	its and 1	8KAK4	9 Aadali 100	tha 0
8KV ann 0 ()Th olde ours resc :men ()T)	VK49 Vyav ada (Kann NCMC NCMC NCMC e mandato rs admitted e and appe ribed CIE ster/s to app hese Cours Co	vaharika Kann ada for Admin Course pres 18MATDIP 18MATDIP ry non – credi d to III semest ear for the Uni marks, he/she pear for SEE. es shall not be urses presci v Points: In ca	ada (Kannada for communication) is for istration) is for students who speak, res cribed to lateral entry Diploma I 41 Additional Mathematics - II t courses Additional Mathematics I and er of BE/B. Tech programs, shall attent versity examination. In case, any stud shall be deemed to have secured F g considered for vertical progression, but ribed to lateral entry B. Sc degree se students fail to earn the prescribed	or non-Kannada sp ad and write Kanna holders admitted Mathematics nd II prescribed for d the classes durin dent fails to regist rade. In such a cas ut completion of th ce holders admit activity Points, E	eaking, re ada. d to III s 02 or III and ng the res er for the se, the stu e courses ted to II ighth sem	eading and semester 01 IV seme spective said co ident ha shall be fi seme nester G	esters res semester ourse/ fai ve to ful e mandat ster of rade Car	gineeri 03 spectivel s to con ls to sec fil the re ory for t Engine d shall t	ng pro 40 40 y, to the oplete al cure the equirem he awar ering poe issued	8KAK4 grams 60 e lateral ll the for minimu ents dur d of degr orogram d only af	entry Di malities m 40 % ing subse ree ns	0 ploma of the equent
8KV ann 0 )Th olde ours resc ince )T	VK49 Vyav ada (Kann NCMC NCMC NCMC e mandato rs admitted e and appe ribed CIE ster/s to app hese Cours Co	vaharika Kann ada for Admin Course pres 18MATDIP 18MATDIP ry non – credi d to III semest ear for the Uni marks, he/she pear for SEE. es shall not be urses presci v Points: In ca	ada (Kannada for communication) is for istration) is for students who speak, re- cribed to lateral entry Diploma l 41 Additional Mathematics - II t courses Additional Mathematics I and er of BE/B.Tech programs, shall atten- versity examination. In case, any stud- shall be deemed to have secured F g considered for vertical progression, bu- ribed to lateral entry B. Sc degree	or non-Kannada sp ad and write Kanna holders admitted Mathematics nd II prescribed for d the classes durin dent fails to regist rade. In such a cas ut completion of th ce holders admit activity Points, E	eaking, re ada. d to III s 02 or III and ng the res er for the se, the stu e courses ted to II ighth sem	eading and semester 01 IV seme spective said co ident ha shall be fi seme nester G	esters res semester ourse/ fai ve to ful e mandat ster of rade Car	gineeri 03 spectivel s to con ls to sec fil the re ory for t Engine d shall t	ng pro 40 40 y, to the oplete al cure the equirem he awar ering poe issued	8KAK4 grams 60 e lateral ll the for minimu ents dur d of degr orogram d only af	entry Di malities m 40 % ing subse ree ns	0 ploma of the equent
8KV ann 0 ()Th olde ours resc :men ()T)	VK49 Vyav ada (Kann NCMC NCMC NCMC e mandato rs admitted e and appe ribed CIE ster/s to app hese Cours Co	vaharika Kann ada for Admin Course pres 18MATDIP 18MATDIP ry non – credi d to III semest ear for the Uni marks, he/she pear for SEE. es shall not be urses presci v Points: In ca	ada (Kannada for communication) is for istration) is for students who speak, res cribed to lateral entry Diploma I 41 Additional Mathematics - II t courses Additional Mathematics I and er of BE/B. Tech programs, shall attent versity examination. In case, any stud shall be deemed to have secured F g considered for vertical progression, but ribed to lateral entry B. Sc degree se students fail to earn the prescribed	or non-Kannada sp ad and write Kanna holders admitted Mathematics nd II prescribed for d the classes durin dent fails to regist rade. In such a cas ut completion of th ce holders admit activity Points, E	eaking, re ada. d to III s 02 or III and ng the res er for the se, the stu e courses ted to II ighth sem	eading and semester 01 IV seme spective said co ident ha shall be fi seme nester G	esters res semester ourse/ fai ve to ful e mandat ster of rade Car lighth se	gineeri 03 spectivel s to con ls to sec fil the ro ory for t Engine d shall t mester (	ng pro 40 40 y, to the oplete al cure the equirem he awar ering po be issued irade Ca	skaka grams 60 e lateral ll the for minimu ents dur d of degr orogram d only af ard.	100 entry Di malities m 40 % ing subse ree ns fter earni	0 ploma of the equent ng the



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			ISVESVARAYA TECHNOL Scheme of Teaching ome Based Education (OBE) a (Effective from the	and Examir and Choice B	nation 20 Based Cr	018 - edit	- 19 Syster					
V SEN	MESTER		(Effective from the	e academic ye	ar 2018 -	- 19)	<u>.</u>	for the second	_	-		_
					and the second se	ning H Week			Exam	ination		Γ
SI. No	and the second se	irse and rse code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
_					L	Т	Р	-	0		F	
1	HSMC	18CS51	Management, Entrepreneurship for IT Industry	HSMC	2	2		03	40	60	100	3
2	PCC	18CS52	Computer Networks and Security	CS/IS	3	2	-	03	40	60	100	4
3	PCC	18CS53	Database Management System	CS/IS	3	2		03	40	60	100	4
4	PCC	18CS54	Automata theory and Computability	CS / IS	3	-		03	40	60	100	3
5	PCC	18CS55	Application Development using Python	CS / IS	3	-	1	03	40	60	100	3
6	PCC	18CS56	Unix Programming	CS / IS	3	-		03	40	60	100	3
7	PCC	18CSL57	Computer Network Laboratory	CS/IS		2	2	03	40	60	100	2
8	PCC	18CSL58	DBMS Laboratory with mini project	CS / IS	-	2	2	03	40	60	100	2
					Contraction of Contra		Alternative statements	10 million (1997)	1	A	Contraction of the local distance	C. C

	1000	Contraction of Section		TOTAL	18	10	04	26	360	540	900	25
9 H	ISMC	18CIV59	Environmental Studies	Environmental [Paper setting: Civil Engineering Board]	1	-	-	02	40	60	100	1

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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							. DELA	GAVI				
			SVESVARAYA TECHNOLOG	GICAL 1	UNIVE	2018	, BELA - 19		(20)			
		VI	SVESVARAYA TECHNOLOG Scheme of Teaching an ome Based Education (OBE) and (Effective from the a	nd Exam	Based	Credit	System	п (Св	(0)			-
		Outco	ome Based Education (OBE) and (Effective from the a	cademic	year 20	18 - 19	<u>"</u>		Exami	ination		
			(Effective from		Teachi	ng Hours	Week		2	2	irks	Credits
VI SE	MESTER	1				I	lin Br	ui ui Is	Mark	Marl	I Ma	Crei
SL.	0	ourse and	Course Title	Teaching	Theory Lecture	Tutor	Practic	Duration	CIE N	SEE	Total	
No		ourse code		6	L	Т	P	03	40	60	100	4
				CS/IS	3	2		03	40	60	100	4
1	PCC	181561	File Structures Software Testing	CS/IS CS/IS	3	2		03	40	60	100	3
2	PCC	181S62 18CS63	Web Technology and its applications	CS/IS CS/IS	3	-		03	40	60 60	100	2
4	PEC	18CS64X	Professional Elective -1 Open Elective -A	CS/IS	3		2	03	40	60	100	2
5	OEC	18CS65X 18ISL66	Commany Testing Laboratory	CS/IS CS/IS		2	2	03	40		100	2
6	PCC PCC	18ISL67	File Structures Laboratory with him			-	2	03	40	60	100	-
	NO	18CSMP68	Mobile Application Development	CS/IS (To be cal	urried out d	Juring the	e					-
8	MP	Tocon		intervenir	ng vacation	ns of VI	and VII			480	800	24
9	INT	~	Internship	semesters	8)	10	06	24	320	480	0.00	
		batassional cor	e, PEC: Professional Elective, OE: Ope	en Elective,	MP: Min	i-project	, INT: In	lernsmp.				
Note	e PCC: P	Foressional cove	Profess	sional Electi	ve -1							
-	umen code	under18XX64X	Course Title									
	18	8CS641	A Course Hee     Data Mining and Data Warehousing     Object Oriented Modelling and Desi	ign								
-		8CS642 8CS643	Cloud Computing and its Applicatio	ons								
-	18	8CS644	Advanced JAVA and J2EE Information Management System		THE D	(among)						
-	17	8IS645	Open Elective -A	(Not for CS	E/ISE Pro	ograms)						
-		8CS651	Mobile Application Development Introduction to Data Structures and	Algorithms								
-		8CS652 8CS653	Programming in JAVA				19	COC(EV)				
E	1	8CS654	Introduction to Operating System ne open electives offered by any Department(Planot allowed provided,	lease refer to t	he list of or	en electiv	es under 18	(CS03A).				
Su	dents can s lection of a	n open elective is I	not allowed provided, he same course during the previous semesters of a elective is similar to that of Departmental core	f the program	me.	alactives						
	The candi	idate has studied in	a elective is similar to that of Departmental core	e courses or p of the progra	mme.	ciccures.						
								hidia	ciplinary	Mini- pro	piect can b	e
			the student/s and recomm	nendations of t	the mentor,	a single d	iscipline or	a multidis	cipinary	fullin bas	,	
M	ini-project	n individual studer	the ability/abilities of the students of the s		I of the co	ncerned F	enartment :	and two se	nior facul	ty member	ers of the	, i an
C	IE procedu	ure for Mini-proje	marks shall be awarded by a committee consist	Mini-project	work, shall	be based	on the evalu	ation of p	roject rep mates.	ort, projec	ct presenta	Atton
D	epartment,	one of whom shall	marks shall be awarded by a commutee I be the Guide. The CIE marks awarded for the session in the ratio 50:25:25. The marks awarded hous Internal Evaluation shall be group wise at t shall be based on the evaluation of project report	d for the proje the college le	ct report sha vel with the	participat	tion of all th	e guides o	f the colle	ege. The C	CIE marks 25:25.The	e marks
6	ii) Interdise	ciplinary: Continue	to us he evaluation of project report	n, project pres	sentation ski	ill and que	estion and a	nswer sess	ion in the	Tutto 5 or		
3	warded for	the project report	shall be the same for all the batch mates.		ambar sha	II be asses	sed individ	ually in the	semester	r end exai	nination (	SEE)
and the second second	and the second second	Construction of the second s	France 200 0	each group n	nember sha	Il ba are	occod indiv	dually in s	emester e	nd exami	nation (SE	EE)
1	conducted a	at the department.	oution to the Mini-project and the performance of	of each group	, memoer an						Loomosters	e and for
	the second second second second second second	CONTRACTOR PLAN OF LINE LINE	Lifest has been a life to be a		LIGITORY HILLON			A DECEMBER OF THE OWNER OWNER OF THE OWNER OF THE OWNER	A CONTRACTOR OF A CONTRACTOR O	the second se	mi armentin 1	SDAHL DE
	VII and VII	H semesters, A Um	including the second of deer	ree Inose, wh	no no not ta	keup/com	plete the int	ernship sh	all be dec	lared fail	and shall i	have to
	considered :	as a nead of passing	In case students fail to earn the prescribed	raship required	menta							



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#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examination 2018 – 19 Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018 – 19)

					Teachi	ng Hours	/Week		Exami	nation	-	
1. lo	100 P3 10 P	e and e code	Course Title	Teaching Department	Theory Lecture	H Tutorial	Tractical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	18CS71	Artificial Intelligence and Machine Learning	CS/IS	4			03	40	60	100	4
2	PCC	18CS72	Big Data Analytics	CS/IS	4			03	40	60	100	4
3	PEC	18CS73X	Professional Elective – 2	CS/IS	3			03	40	60	100	3
4	PEC	18CS74X	Professional Elective – 3	CS/IS	3			03	40	60	100	3
5	OEC	18CS75X	Open Elective –B	CS/IS	3		-	03	40	60	100	3
6	PCC	18CSL76	Artificial Intelligence and Machine Learning Laboratory	CS/IS	-		2	03	40	60	100	2
7	Project	18CSP77	Project Work Phase - 1	CS/IS			2		100		100	
8	INT		Internship	(If not con	npleted du	iring the	vacation	of VI and	d VII sei	mesters,	it has to	be
			Internsnip	carried out	and the second se	interve		ations of	VII and	360	700	20
				TOTAL	17		04	18	340	500	100	
lote	: PCC: Profe	ssional core, F	PEC: Professional Elective, OEC: Ope	en Elective,	INT: Inte	ernship.						
				nal Elective	2 - 2					-		
Cour	rse code unde		Course Title	2744-74-0					-			
	18CS73		Software Architecture and Design Pat	terns				-			1008000	
_	18CS7		High Performance Computing					1000				17.3
	18CS7		Advanced Computer Architectures				1015	T. J. H.				
-	18CS7	54	User Interface Design Professio	nal Elective	5-3							
Con	rse code und	18CS74V	Course Title	nai Elective	0 0	1			64		100.11	
Cou	18CS7		Digital Image Processing									
-	18CS7		Network management			84.4					D. S. L.	_
	18CS7		Natural Language Processing									-
	18CS7	and a local de la constantion de la constanti	Cryptography							-		
	18CS7	45	Robotic Process Automation Design	& Developm	nent			1000 C		-	-	-
			Open Elective -B (1	Not for CSE	/ ISE Prog	grams)	a starter and the	-				
	18CS	751	Introduction to Big Data Analytics			1000			-		1.2.2.1	
	18CS		Python Application Programming			-		101				
	18CS		Introduction to Artificial Intelligence Introduction to Dot Net framework for	or Applicatio	n Develo	oment		-	21115			
	18CS						sundar 18	C\$75X)				-
Sel • • Re	ection of an ope The candidate h The syllabus co A similar cours gistration to elec	n elective is not a nas studied the sa ontent of open elec- te, under any cate trives shall be do	pen electives offered by any Department (Ple allowed provided, ame course during the previous semesters of t ective is similar to that of Departmental core of egory, is prescribed in the higher semesters of cumented under the guidance of Programme	he programme courses or pro f the programm Coordinator/ /	t. fessional el ne. Adviser/Me	ectives.						
ind stu CI (i) Do (c) m (ii) gu sk Ir V	dent strength ca E procedure fo Single discipline partment, one of overing Literatur arks awarded for Interdiscipline dide/s, if any, is of the ship: All the II and VIII seme	or to a group hav n be 5 or 6. r Project Work ne: The CIE mark f whom shall be re Survey, Proble the Project repo ary: Continuous lesirable. The CI and answer session c students admitted sters. A Universion	/abilities of the student/s and recommendation ing not more than 4 students. In extraordinary <b>Phase - 1:</b> is shall be awarded by a committee consisting the Guide. The CIE marks awarded for the pro- em identification, Objectives and Methodolog rt shall be the same for all the batch mates. Internal Evaluation shall be group wise at the E marks awarded for the project work phase on in the ratio 50:25:25. The marks awarded for the d to III year of BE/B. Tech shall have to und ity examination shall be conducted during VI d shall be considered for the award of degree. rsity examination after satisfying the internsh	g of the Head roject work ph gy), project pre e college level -1, shall be ba for the project lergo mandato II semester an Those, who d	of the conce ase -1, shall esentation si with the pa sed on the of report shall ory internsh d the prescu lo not takeu	erned Dep l be based kill and qu articipatio valuation l be the sa ip of 4 we	artment and on the evan testion and of all gui of project me for all t eks during	d two sen duation of answer s des of the work pha the batch of the vacat	ior facult the proje ession in college. se -1 Rep mates. ion of VI n VIII ser	y membe ect work ( the ratio Participal ort, proje and VII a mester, In	ers of the phase -1 F 50:25:25.2 tion of ext act present semesters iternship s	ternal tation



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vm	SEMESTE	R					01 h		Examin	ation		T
			REAL STREET	-	Teachin		s /Week			1000	5	
SI. No	- Contraction	rse and rse code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
-	DCC	100001	1		L	Т	Р		10	(0)	100	3
-	PCC	18CS81	Internet of Things	CS/IS	3			03	40	60	100	
2	PEC	18CS82X	Professional Elective – 4	CS/IS	3		**	03	40	60	100	3
3	Project	18CSP83	Project Work Phase – 2	CS/IS	-	**	2	03	40	60	100	8
4	Seminar	18CSS84	Technical Seminar	CS/IS		**	2	03	100		100	1
5	INT	18CSI85	Internship	(Completinterveni VII seme VII seme	ng vacati esters and	ons of V		03	40	60	100	3
				TOTAL	and the second se		04	15	260	240	500	18

18CS822	Storage Area Networks	
18CS823	NoSQL Database	
18CS824	Multicore Architecture and Programming	

#### Project Work CIE procedure for Project Work Phase - 2:

(i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

(ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

SEE for Project Work Phase - 2:

(i) Single discipline: Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.

(ii) Interdisciplinary: Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the student/s belong to.

Internship: Those, who have not pursued /completed the internship shall be declared as fail and have to complete during subsequent University examination after satisfying the internship requirements

AICTE activity Points: In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card. Activity points of the students who have earned the prescribed AICTE activity Points shall be sent the University along with the CIE marks of 8th semester. In case of students who have not satisfied the AICTE activity Points at the end of eighth semester, the column under activity Points shall be marked NSAP (Not Satisfied Activity Points).



Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandy: District - 57

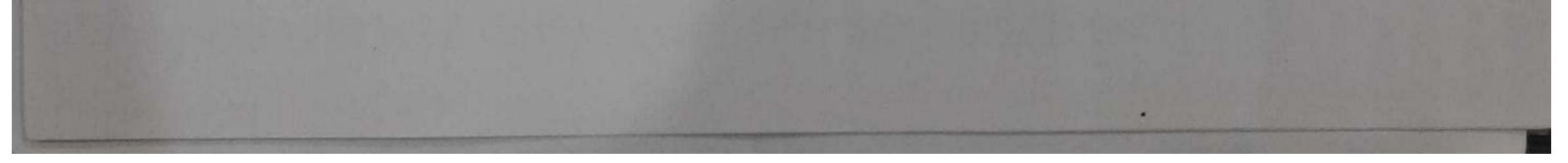


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		Ou	ISVESVARAYA TECHNOLO Scheme of Teaching an tcome Based Education(OBE) : (Effective from the	d Examination and Choice B	on 2018 ased Ci	- 19 redit :	System		S)			
III S	EMEST	ER	1		Lan			-				-
	13 200				Teachin /Week	g Houi	ns.		Exami	nation		
SL No		Course and Sourse Code	Course Title	Tcaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
	1.000				L	T	P					1
1	BSC	18MAT31	Transform calculus, fourier series and Numerical techniques	Mathematics	2	2	**	03	40	60	100	3
2	PCC	18ME32	Mechanics of Materials		3	2		03	40	60	100	4
3	PCC	18ME33	Basic Thermodynamics		3	0	-	03	40	60	100	3
4	PCC	18ME34	Material Science		3	0	-	03	40	60	100	3
5	PCC	18ME35A or 18ME35B	Metal cutting and forming Metal Casting and Welding		3	0		03	40	60	100	3
6	PCC	18ME36A or	Computer Aided Machine Drawing/		1	4	1		CLODK!			
		18ME36B	Mechanical Measurements and Metrology		3	0	-	03	40	60	100	3
7	PCC	18MEL37A or	Material Testing lab			-	1	03	40	60	100	2
		18MEL.37B	Mechanical Measurements and Metrology lab			2	2	05	40	00	100	
8	PCC	18MEL38A	Workshop and Machine Shop Practice (Consists of Fitting, and Machining)			2	2	03	40	60	100	2

9		and the second design of the s					1		A Second Second			0.000
9	1414	18KVK39/49	Foundry,Forging and Welding lab Vyavaharika Kannada (Kannada for communication)/		The start	2			100			
	ISMC	18KAK39/49	Aadalitha Kannada (Kannada for Administration)	HSMC		2		-	100		100	1
	H		OR				1-21-2-3					
		18CPC39	Constitution of India, Professional		1			02	40	60		
		1800039	Ethics and Cyber Law		Exam		is by ob		ype ques			
					17	10	adas. 1	24	420	480		
				TOTAL	OR	OR	04	OR	OR	OR	900	24
		and the second	and the second		19	14		26	360	540		
10	NCM		ibed to lateral entry Diploma holde DIP31 Additional Mathematics - I	Mathematics	02	01	or Eng	03	<b>g prog</b> 40	60	100	0
hold the c the p subs b) The	ders ad course prescr sequer ese Co C	imitted to III semi e and appear for the ibed CIE marks, he nt semester/s to appear ourses shall not be ourses prescrift ourses from F	t courses Additional Mathematics I and II ester of BE/B. Tech programs, shall atten- ne University examination. In case, any st ne/she shall be deemed to have secured F opear for SEE. considered for vertical progression, but c ocd to lateral entry B. Sc degree hol 3. Sc. Stream, shall clear the non-credit co ngineering Programme. These Courses sh	d the classes dur tudent fails to reg grade. In such a completion of the <b>Iders admitted</b> ourses Engineerin	ing the r gister for case, the courses to III ng Graph	s shall b scmcst	e manda cr of E Element	tory for ngince	the require the requirements of the requirements of the requirements of the requirements of the awaring provide the requirements of the requiremen	all the the mini tirement rd of de ogram	formaliti mum 40 ts during gree. s ind	es of % of
The second second second	nics of	datory for the awa	ignicering riogramme. These courses sh	an nor oe consid			Propros		o contration	0.000.000.00000		222

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477

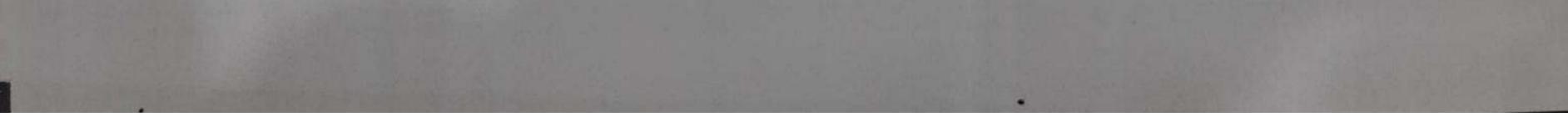


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		01	VISVESVARAYA TECHNOLO Scheme of Teaching a itcome Based Education(OBE) (Effective from the	and Choice I	Based C	redit	System	n (CBC	CS)			
IVS	SEMES	TER		1	Teachir	ng Hour	-8		Exam	ination		
				nent	/Week			i in	rks	Marks	Marks	Credits
SL No		Course and Course Code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration hours	CIE Marks	SEE Ma	Total M	Cre
	1.51			i de constitution	L	т	Р					
1	BSC	18MAT41	Mathematics	Mathematics	2	2		03	40	60	100	3
2	PCC	18ME42	Applied Thermodynamics		3	2		03	40	60	100	4
3	PCC	18ME43	Fluid Mechanics		3	0		03	40	60	100	3
4	PCC	18ME44	Kinematics of Machines		3	0		03	40	60	100	3
5	PCC	18ME45A 18ME45B	Metal cutting and forming Metal Casting and Welding		3	0		03	40	60	100	3
6	PCC	18ME46A or	Computer Aided Machine Drawing/		1	4	1000				122	
		18ME46B	Mechanical Measurements and Metrology		3	0		03	40	60	100	3
7	PCC	18MEL47A or	Material Testing lab			2	2	03	40	60	100	2
		18MEL47B	Mechanical Measurements and Metrology lab			2	2		1912			
8	PCC	18MEL48A	Workshop and Machine Shop Practice (Consists of Fitting, and Machining)			2	2	03	40	60	100	2
		18MEL48B	Foundry, Forging and Welding lab						1344	1.	S. Contraction	
	Contraction of the local division of the loc	Construction of the local data and the local data a						Concernation of the owner of the last			and the second se	

	the second s					and the second se						
		18KVK49/49	Vyavaharika Kannada (Kannada for communication)/						100			
9		18KAK49/49	Aadalitha Kannada (Kannada for Administration)	HSMC		2		-	100	-	100	1
	10		OR			THE R				and the second		
	HSMC	18CPH49	Constitution of India, Professional		1			02	40	60		1 CONT
	-		Ethics and Cyber Law		Exan	-	is by ob	1	Contract of the second second			-
				STRANG STRANG	17	10		24	420	480		1
				TOTAL	OR	OR	04	OR	OR	OR	900	24
		Statute - The			19	14	Constant In	26	360	540	1	1
		annada (Kannada	for Administration) is for students who	speak, read and v	write Ka	iniaua.		1.100				
18K Aada						2	r of En	ginceri	ng pro	grams		
Aad	alitha K	Course prese	ribed to lateral entry Diploma hold			2	r of En	ginceri	ng pro	grams 60	100	0
Aada	NCM	Course prese	ribed to lateral entry Diploma hold	lers admitted t Mathematics	to III s 02	emeste	-	03	40	60	100	
Aada 10 (a) Tl hold	NCM ne man	Course prese C 18MATI datory non – cred nitted to III semes	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ster of BE/B. Tech programs, shall attend	lers admitted t Mathematics II prescribed for the classes duri	to III s 02 III and l ing the r	emeste 01 V seme respectiv	 sters res	03 pectively sters to c	40 y, to the complete	60 lateral all the	100 entry Dij formalit	oloma ies of
Aada 10 (a) The holde	NCM ne man ers adn ourse a	Course prese C 18MATI datory non – cred nitted to III semes and appear for the	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ster of BE/B. Tech programs, shall attend University examination. In case, any stu	lers admitted to Mathematics II prescribed for I the classes duri ident fails to regi	to III s 02 III and l ing the r ister for	emeste 01 V seme respectiv the said	sters res e semes course	03 pectively sters to c fails to	40 y, to the complete secure t	60 lateral all the he min	100 entry Dij formalit imum 40	oloma ties of % of
Aada 10 (a) The hold the c the p	NCM ne man ers adn ourse a prescrib	Course prese C 18MATI datory non – cred nitted to III semes and appear for the bed CIE marks, h	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ster of BE/B. Tech programs, shall attend University examination. In case, any stu e/she shall be deemed to have secured	lers admitted to Mathematics II prescribed for I the classes duri ident fails to regi	to III s 02 III and l ing the r ister for	emeste 01 V seme respectiv the said	sters res e semes course	03 pectively sters to c fails to	40 y, to the complete secure t	60 lateral all the he min	100 entry Dij formalit imum 40	oloma ties of % of
Aad: 10 (a) The holder the c subset	NCM ne man ers adn ourse a prescrib	Course prese C 18MATI datory non – cred nitted to III semes and appear for the bed CIE marks, h semester/s to appe	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ter of BE/B. Tech programs, shall attend University examination. In case, any stu- e/she shall be deemed to have secured ear for SEE.	lers admitted to Mathematics II prescribed for I the classes duri ident fails to regi F grade. In such	to III s 02 III and l ing the r ister for h a case	emeste 01 V seme respectiv the said c, the st	 sters res ve semes d course udent ha	03 pectively sters to c fails to ave to fu	40 y, to the complete secure t ulfill the	60 lateral all the he mini- require	100 entry Dij formalit imum 40 ements o	oloma ties of % of
Aad: 10 (a) The holder the c subset	NCM ne man ers adn ourse a prescrib equent hese C	Course prese C 18MATI datory non – cred nitted to III semes and appear for the bed CIE marks, h semester/s to apper ourses shall not b	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ster of BE/B. Tech programs, shall attend University examination. In case, any stu e/she shall be deemed to have secured ear for SEE. e considered for vertical progression, but	lers admitted to Mathematics II prescribed for I the classes duri ident fails to regi F grade. In such completion of th	to III s 02 III and h ing the r ister for h a case	emeste 01 V seme respectiv the said c, the st es shall	 sters res /e semes l course/ udent ha be mand	03 pectively sters to c fails to ave to fu latory fo	40 y, to the complete secure t ulfill the or the aw	60 lateral all the he mini- require ard of c	100 entry Dij formalit imum 40 ements o legree.	oloma ties of % of
Aada 10 (a) The hold the c the p subsection (b) T	NCM ne man ourse a prescrib equent hese C	Course prese C 18MATI datory non – cred nitted to III semes and appear for the bed CIE marks, h semester/s to apper ourses shall not b Courses prescri	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ter of BE/B. Tech programs, shall attend University examination. In case, any stu e/she shall be deemed to have secured ear for SEE. e considered for vertical progression, but bed to lateral entry B. Sc degree ho	Iers admitted to Mathematics II prescribed for I the classes durindent fails to regindent fails to regindent F grade. In such completion of the olders admitte	to III s 02 III and l ing the r ister for h a case he cours d to II	emeste 01 V seme respectiv the said c, the st es shall I semes	 sters res le semes l course udent ha be mand ster of	03 pectively sters to c fails to ave to function latory for Engine	40 y, to the complete secure t ulfill the or the aw ering p	60 lateral all the he mini- require ard of c rogram	100 entry Dij formalit imum 40 ements o legree.	oloma ties of % of
Aad: 10 (a) The hold the c the p subsection (b) The Later	NCM ne man ers adm ourse a prescrib equent hese C	Course prese C 18MATI datory non – cred nitted to III semes and appear for the bed CIE marks, h semester/s to apper ourses shall not b Courses prescrives ant students from	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ter of BE/B. Tech programs, shall attend University examination. In case, any stu- e/she shall be deemed to have secured ear for SEE. e considered for vertical progression, but bed to lateral entry B. Sc degree hold B.Sc. Stream, shall clear the non-credit c	Iers admitted to Mathematics II prescribed for I the classes durindent fails to regindent fails to regindent F grade. In such completion of the olders admitte	to III s 02 III and l ing the r ister for h a case he cours d to II ing Gra	emeste 01 V seme respectiv the said c, the st es shall I semes	 sters res le semes l course udent ha be mand ster of d Eleme	03 pectively sters to c fails to ave to function latory for Engine nts of C	40 y, to the complete secure t ulfill the or the aw ering p ivil Engi	60 lateral all the he mini- require ard of c rogram	100 entry Dip formalit imum 40 ements of legree. ns and	oloma ies of % of luring
Aada 10 (a) The hold the c the p subsection (b) The Later Mech	NCM ne man ers adm ourse a prescrib equent hese C ( ral entra hanics o	Course prese C 18MATI datory non – cred nitted to III semes and appear for the bed CIE marks, h semester/s to apper ourses shall not b Courses prescrives ant students from	ribed to lateral entry Diploma hold DIP31 Additional Mathematics - I it courses Additional Mathematics I and I ater of BE/B. Tech programs, shall attend University examination. In case, any stu e/she shall be deemed to have secured ear for SEE. e considered for vertical progression, but bed to lateral entry B. Sc degree ho B.Sc. Stream, shall clear the non-credit c ingineering Programme. These Courses s	Iers admitted to Mathematics II prescribed for I the classes durindent fails to regindent fails to regindent F grade. In such completion of the olders admitte	to III s 02 III and l ing the r ister for h a case he cours d to II ing Gra	emeste 01 V seme respectiv the said c, the st es shall I semes	 sters res le semes l course udent ha be mand ster of d Eleme	03 pectively sters to c fails to ave to function latory for Engine nts of C	40 y, to the complete secure t ulfill the or the aw ering p ivil Engi	60 lateral all the he mini- require ard of c rogram	100 entry Dip formalit imum 40 ements of legree. ns and	oloma ies of % of luring

Pribling October Maheraja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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SEN	IESTER		Education(OBE) and Cho Effective from the academ	ic year 2018 - 19)	Systen	n (C	bcs)					
					Teaching Hours /Week Examinati		nation					
SI. No		rse and rse code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1		T T	The star is a star to she		L	Т	Р	•	0	s	Ŧ	
	PCC	18ME51	Management and Economics		2	2		03	40	60	100	3
2	PCC	18ME52	Design of Machine Elements I		3	2		03	40	60	100	4
3	PCC	18ME53	Dynamics of Machines		3	2		03	40	60	100	4
4	PCC	18ME54	Turbo Machines		3			03	40	60	100	3
5	PCC	18ME55	Fluid Power Engineering		3			03	40	60	100	3
6	PCC	18ME56	Operations Management		3			03	40	60	100	3
7	PCC	18MEL57	Fluid Mechanics/Machines lab			2	2	03	40	60	100	2
8	PCC	18MEL58	Energy Conversion Lab			2	2	03	40	60	100	2
	1-24-1			Civil/ Environmental								
9	HSMC	18CIV59	Environmental Studies	[Paper setting: Civil Engineering Board]	1			02	40	60	100	1
		and the second second		TOTAL	18	10	04	26	360	540	900	25

the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

Andrea District - 571470



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		Outcon	ESVARAYA TECHNO Schem <u>e of Teaching</u> ne Based Education(OB (Effective from t	E) and Choi	ce Base	d Credi	it Syster	m (CB	CS)			
VISE	MESTER					ing Hour	the second second	T	Exam	ination	T	
SI. No	and the second se	se and se code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
	100000		A State of the second	Section Section	L	Т	P	03	40	60	100	1
1	PCC	18ME61	Finite Element Methods		3	2		03	40	60	100	4
2	PCC	18ME62	Design of Machine Elements	s II	3	2	-	03	40	60	100	-
3	PCC	18ME63	Heat Transfer		3	2	-	03	40	60	100	
4	PEC	18ME64X	Professional Elective -1		3			03	40	60	100	100
5	OEC	18ME65X	Open Elective -A		3		-		10	60	100	2
6	PCC	18MEL66	Computer Aided Modelling a Analysis Lab	and		2	2	03	40	60	100	2
7	PCC	18MEL67	Heat Transfer Lab			2	2	03	40	60	100	2
8	MP	18MEMP68	Mini-project				2	03	NUVIL	semester	rs and /o	r VI
9	Internchin		Internehin	To be car	ried out du	iring the	vacation/s	sorvia	na vii s			
1	Internship	12-1/10-19-2	Internship	and VIII	semesters.				320	480	800	2.
		and the second	a second and a second second second	TOTAL	15	10	06	24	520	and the second line	10.2	
	Section States		C: Professional Elective, OE:									
1	e code under 8XX64X	Course Tit	e d	fessional Electiv Course code un 18XX64X		Course			- in any	ing		
8ME		the second s		18ME644		Vibrati	ions and N	Noise En	abnolo	av		-
8ME			0	18ME645			site Mate			5.7	-	0.00
	041	I DAOPU OLI				The second s	State State Later	Davida	mmont			
o the electi	its can select an list of open election of an open	ny one of the o ctives under 18 elective shall r	O pen electives offered by other I SXX65X). ot be allowed if,		ect those t	that are o	eneurship ffered by t			rtment (	Please re	fer
tuder o the election The A s egist fini-p ased	its can select and list of open election on of an open e candidate has e syllabus contr imilar course, ration to elective or oject work: on the ability/a	ny one of the of ctives under 11 elective shall r studied the sa ent of open ele under any cate ves shall be do	O pen electives offered by other I SXX65X).	Departments exp semesters of the epartmental core r semesters of the of Programme Co	programm courses of e program ordinator/	that are of ne. r professione. / Advisor/	ffered by t ional elect /Mentor.	the paren	nt Depai			fer

Principal Anteraja Institute of Technology Mysore Belawadi, Naguvanahali Post Brirangapatna Taluk Mandya District - 571477



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		VISVI Outcom	ESVARAYA TECHNOLO Scheme of Teaching a e Based Education(OBE) (Effective from the	OGICAL U nd Examin	NIVER ation 20	SITY, 018 - 1	BELA 9	GAVI				
11 SE	MESTER				the second second second			I (CBC	CS)			
			(Effective from the	academic	year 20	18-19	))			1	125	
~			A STATE STATE AND A STATE OF A ST		Teachin	ng Hours	/Week		Exami	nation	1	
SI. No	Course Course	and code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	IE Marks	SEE Marks	Total Marks	Credits
1	PCC	18ME71	0		L	Т	Р	-	0	s	F	
2	PCC		Control Engineering		3	-		03	40	60	100	3
		18ME72	Computer Aided Design and Manufacturing		3			03	40	60	100	2
3	PEC	18ME73X	Professional Elective - 2	and the second second								
4	PEC	18ME74X	Professional Elective - 2		3			03	40	60	100	3
5	OEC	18ME75X	Open Elective -B		3			03	40	60	100	3
6	PCC	18MEL76	Computer Integrated Manufacturing Lab		-	2	2	03	40	60 60	100	3
	PCC	18MEL77	Design Lab		-	2	2	03	40	60	100	2
7	Project	18MEP78	Project Work Phase - 1			-	2		100		100	1
8	Internship		Internship	(If not con carried out	pleted du	iring the	vacation	of VI ar	nd VII se	emesters		be
-				TOTAL	15	04	06	18	340	360	700	20
-									-		0007	-
Cour	se code under	Course The	0-0-04 H 3-400	sional Elective	-	10.5	Tral.		-		-	-
18X)	X73X	Course Tit		Course co under 182			se Title			2.1.1		
	E731	the second s	Manufacture	18ME734			l Quality		ement			_
	E732		n and Robotics	18ME735	121.1231	Oper	ations R	esearch	-	-	the state of the	-
1814	E733	Computati	onal Fluid Dynamics Profess	ional Elective	. 2	1			-	10000	1	
	rse code under X74X	Course Tit		Course co under 182	de	Cour	rse Title				1. 1. 1.	
	E741	Additive N	lanufacturing	18ME744		Mec	hatronics		1-11-11			
	E742		ustainable Building Cooling	18ME745		and the second second	ect Mana					
1814	E743	Theory of							199 20		101	
10141		Theory of		en Elective -B	N. C.		27.24					

**Open Elective -B** 

Students can select any one of the open electives offered by other Departments expect those that are offered by the parent Department (Please refer to the list of open electives under 18XX75X).

Selection of an open elective shall not be allowed if,

- The candidate has studied the same course during the previous semesters of the programme.
- The syllabus content of open elective is similar to that of the Departmental core courses or professional electives. .
- A similar course, under any category, is prescribed in the higher semesters of the programme.

Registration to electives shall be documented under the guidance of Programme Coordinator/ Advisor/Mentor.

#### Project work:

Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or a multidisciplinary project can be assigned to an individual student or to a group having not more than 4 students. In extraordinary cases, like the funded projects requiring students from different disciplines, the project student strength can be 5 or6.

CIE procedure for Project Work Phase - 1:

(i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

The CIE marks awarded for the project work phase -1, shall be based on the evaluation of the project work phase -1 Report (covering Literature Survey, Problem identification, Objectives and Methodology), project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.

(ii) Interdisciplinary: Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable.

The CIE marks awarded for the project work phase - I, shall be based on the evaluation of project work phase - I Report (covering Literature Survey, Problem identification, Objectives and Methodology), project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

Internship: All the students admitted to III year of BE/B. Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credit shall be included in VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail and shall have to complete during subsequent University examination after satisfying the Internship requirements.

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Maharaja Institute of



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			/ESVARAYA TECHNOLO Scheme of Teaching a ne Based Education(OBE) (Effective from the	and Examin	e Base	d Cred	lit Syst					
VIII	SEMESTER		(isinetine ir other					-	Exam	ination		I
				97 N	Teac	hing Hou	irs /Week				9	-
SL No	A STATISTICS	rse and se code	Course Title	Teaching Department	Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
	1.200.000				L		P	03	40	60	100	3
1	PCC	18ME81	Energy Engineering		3			03	40	60	100	3
2	PEC	18ME82X	Professional Elective - 4		3		2	03	40	60	100	8
3	Project	18MEP83	Project Work Phase - 2		**		2	03	100		100	1
4	Seminar	18MES84	Technical Seminar				cation/s				1000	
5	Internship	18XX185	Internship	Comple of VI an	d VII se	mesters	and /or	03	40	60	100	3
-				VII and TOTAL	06		04	15	260	240	500	18
				TOTAL	00			_				
	se-code 18XX82X	Course Title		ional Elective Course under		x		Course T	itle			
18ME	821	CNC Machi	ne Tools	18ME8	24			Automob	ile Engi	incering	<b>;</b>	
18ME	822	Tribology	Normal Product of the Party of	18ME8		1		<b>Tool Desi</b>				
18ME	823	Non-Destru	ctive Testing and Evaluation	18ME8	26	1		Fracture	Mechar	nics		
CIE p (i) Sin memb The C questi (ii) In Partic The C questi SEE f (i) Sin exami (ii) In exami Intern	igle discipline bers of the Dep TE marks awa on and answer terdisciplina ipation of exter TE marks awa on and answer for Project W ingle discipline nation (SEE) iterdisciplina nation (SEE) aship: Those,	artment, one of rded for the pro- r session in the ry: Continuous ernal guide/s, if rded for the pro- r session in the ork Phase - 2 e: Contribution conducted at the ry: Contribution conducted sepa- who have not	rks shall be awarded by a committe of whom shall be the Guide. oject work phase -2, shall be based ratio 50:25:25. The marks awarded s Internal Evaluation shall be group f any, is desirable. oject work phase -2, shall be based ratio 50:25:25. The marks awarded ratio 50:25:25. The marks awarded to the project and the performance he department. on to the project and the performance arately at the departments to which pursued /completed the internship,	I on the evalua d for the project p wise at the co I on the evalua d for the project the of each grou nee of each grou the student/s	tion of p of report ollege le tion of p ot report p memb	oroject w shall be vel with oroject w shall be er shall t ber shall to.	ork phase the same the partic ork phase the same be assesse	e -2 Report for all the cipation of e -2 Report for all the ed individu	, project batch m all guide , project batch m ally in s ually in	t present ates. es of the t present ates. emester semeste	ation ski college. ation ski end r end	II and
AICT requir Activi semes	E activity Po ed activity Po	ints: In case st ints. Students s ints students who students who l	ternship requirements. udents fail to earn the prescribed a shall be admitted for the award of c b have earned the prescribed AICT have not satisfied the AICTE activity ctivity Points).	legree only aft E activity Poir	er the re	lease of be sent t	the Eight	h semester rsity along	Grade (	card. e CIE m	arks of 8	th





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		B.E. Mechanica Outcome Based Education (OBE) and SEMEST	Choice	Based Credit S	ystem (CBCS)	
ourse Code		OPEN ELF				and the second second
aching Hours	Week (]	(T·P)	18ME65	second and the street of the s	CIE Marks	40
redits			3:0:0		SEE Marks	60
udents can selec	t any one	of the open electives offered by other Department of programme syllabus book or VTU website v	03		Exam Hours	03
The candidate The syllabus of A similar cou	has studi	ed the same course during the previous semester open elective is similar to that of the Departme	ers of the pental core	programme. courses or profes	sional electives.	
The candidate The syllabus A similar cou	has studi	ed the same course during the previous semest	ers of the pental core	programme. courses or profes e programme. ordinator/ Advise	sional electives. or/Mentor.	
The candidate The syllabus A similar cou	has studi content of rse, under lectives sl	ed the same course during the previous semester open elective is similar to that of the Department any category, is prescribed in the higher seme hall be documented under the guidance of Prog	ers of the pental core sters of the ramme Co	programme. courses or profes c programme. ordinator/ Adviso Course code under	sional electives.	
The candidate The syllabus of A similar cou egistration to e	has studi content of rse, under lectives sl	ed the same course during the previous semester open elective is similar to that of the Departmer any category, is prescribed in the higher seme hall be documented under the guidance of Prog	ers of the pental core sters of the ramme Co	programme. courses or profes c programme. ordinator/ Advise	sional electives. or/Mentor.	: Title
The candidate The syllabus of A similar cou egistration to e	has studi content of rse, under lectives sl	ed the same course during the previous semester open elective is similar to that of the Department any category, is prescribed in the higher seme hall be documented under the guidance of Program bard and the Department offering the Electives	ers of the pental core sters of the ramme Co	programme. courses or profes e programme. ordinator/ Advise Course code under 18XX65X	sional electives. or/Mentor. Course Non-Conventional En World Class Manufac	: Title ergy Sources :turing
The candidate The syllabus of A similar cou cegistration to e	has studi content of rse, under lectives sl	ed the same course during the previous semester open elective is similar to that of the Department any category, is prescribed in the higher seme hall be documented under the guidance of Prog	ers of the pental core sters of the ramme Co	programme. courses or profes e programme. ordinator/ Advise Course code under 18XX65X 18ME651	sional electives. or/Mentor. Course Non-Conventional En	Title ergy Sources turing ement

		B.E Mechanica Outcome Based Education (OBE) and SEMEST	Choice	Based Credit S	ystem (CBCS)	
	TERRE	OPEN ELE	CTIVI	E - B		
Course Code			18ME7:	5X	CIE Marks	40
Feaching Hours	Maak (	(-T-P)	3:0:0		SEE Marks	60
		e of the open electives offered by other Departm	03		Exam Hours	03
The candidat The syllabus	pen electi e has stud content o	ed programme syllabus book or v10 website very ve shall not be allowed if, ied the same course during the previous semester f open elective is similar to that of the Departme	ers of the ental core	programme. courses or profes e programme.	sional electives.	
<ul> <li>Selection of an o</li> <li>The candidat</li> <li>The syllabus</li> </ul>	pen electi e has stud content o	ve shall not be allowed if,	ers of the ental core	programme. courses or profes e programme. ordinator/ Advise	sional electives. or/Mentor.	
<ul> <li>Selection of an o</li> <li>The candidat</li> <li>The syllabus</li> </ul>	pen electi e has stud content o irse, unde lectives s	ed programme syllabus book of v10 website very ve shall not be allowed if, ied the same course during the previous semester f open elective is similar to that of the Departme r any category, is prescribed in the higher semes hall be documented under the guidance of Program oard and the Department offering the	ers of the ental core sters of th amme Co	programme. courses or profes e programme. ordinator/ Adviso Course code under	sional electives. or/Mentor. Course	Title
Selection of an o The candidat The syllabus A similar cou Registration to e	pen electi e has stud content o irse, unde lectives s	ed programme syllabus book of v10 website very ve shall not be allowed if, ied the same course during the previous semester f open elective is similar to that of the Departme r any category, is prescribed in the higher semes hall be documented under the guidance of Progr	ers of the ental core sters of th amme Co	programme. courses or profes e programme. ordinator/ Advise	sional electives. or/Mentor. Course Energy and Environn	Title
Selection of an o The candidat The syllabus A similar cou Registration to e	pen electi e has stud content o irse, unde lectives s B	ed programme syllabus book of v10 website very ve shall not be allowed if, ied the same course during the previous semester f open elective is similar to that of the Department r any category, is prescribed in the higher semes hall be documented under the guidance of Program bard and the Department offering the Electives	ers of the ental core sters of th amme Co Sl No 1	programme. courses or profes e programme. ordinator/ Adviso Course code under 18XX75X	sional electives. or/Mentor. Course Energy and Environn Automotive Engineer	Title
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Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Taluk Mandya District - 571477



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		Category	Teaching	Teaching hours / week		President	Marks for	is for		
Subject Code	Title of the Subject		Lecture	Practical / Field Work / Assignment *	Total	of Exam (Hours)	N	Exam	TE	Total Marks
16MBA11	Management & Organizational Behaviour	Core Course	J	2	s	3	20	08	-	100
16MBA12	Managerial Economics	Core Course	S	2	S	6	20	80	1	100
16MBA13	Accounting for Managers	Core Course	J3	2	S	3	20	80	1	100
16MBA14	Quantitative Methods	Core Course	3	2	s	3	20	80	1(	100
16MBA15	Marketing Management	Core Course	3	2	S	G	20	80	100	00
16MBA16	Managerial Communications	Core Course	υ	2	s	3	20	80	100	0
1	Total		18	12	30		120	480	600	0

并 Practical /Field Work / Assignment is a part of contact hours for the faculty and must be considered in the workload.

# MASTER OF BUSINESS ADMINISTRATION

Par 9 -

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Stirangapatna Taluk Mandya District - 5/1477



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		Category	Teaching	Teaching hours / week			Marks for	s for		
Subject Code	Title of the Subject		Lecture	Practical / Field Work / Assignment	Total	Duration of Exam (Hours)	IA	Exam	and the second of the	Total Marks
16MBA21	Human Resource Management	Core Course	3	2	s	3	20	80		100
16MBA22	Financial Management	Core Course	3	2	S	3	20	80		100
16MBA23	Research Methods	Core Course	w	. 2	5	S	20	80		100
16MBA24	Business Law and Policy	Core Course	3	2	S	3	20	08		100
16MBA25	Strategic Management	Core Course	3	2	S	w	20	08		100
16MBA26	Entrepreneurship Development	Core Course	3	2	5	3	20	80		100
	Total		18	12	30		120	480		000

# \* Practical /Field Work / Assignment is a part of contact hours for the faculty and must be considered in the workload.

Maharaja Institute of Technology My Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477 more 60 9



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	Subject Code		Category	Tea	Teaching hours / week	k		Mar	Marks for		
			ALLE -		Practical /	- There -	Duration of			Total	
Marketing	Finance	Human Resource		Lecture	Field Work / Assignment **	Total	Exam (Hours)	IA	Exam	i otai Marks	Credits
16MBAMM301	16MBAFM301	16MBAHR301	Foundation	3	2	5	3	20	80	100	ω
16MBAMM302	16MBAFM302	16MBAHR302	Foundation	υ J	2	s	3	20	80	100	3
16MBAMM303	16MBAFM303	16MBAHR303	Elective	υ	2	s	3	20	80	100	3
16MBAMM304	16MBAFM304	16MBAHR304	Foundation Course	IJ	2	5	3	20	80	100	دن
16MBAMM305	16MBAFM305	16MBAHR305	Foundation Elective	S3	2	S	3	20	80	100	3
16MBAMM306	16MBAFM306	16MBAHR306	Elective	3	2	s	3	20	80	100	3
	16MBAIN307		Internship *	0	8	8	,	50	50	100	4
			Industrial Visit	0	0	0	0	0	00	00	0
			18 12	18	12	30		120	480	700	22

Industrial visit is a mandatory activity with zero credits \*\* Practical /Field Work / Assignment is a part of contact hours for the faculty and must be considered in the workload. internally during the third semester. Total number of teaching hours per week is excluding internship workload.

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### (Core Specialisation) III SEMESTER

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalii Post Srirangapatna Tajuk Mandya District - 571477

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\*\* Practical /Field Work / Assignment is a part of contact Industrial visit is a mandatory activity with zero credits

during the third semester. Total number of teaching hours per week is excluding internship workload. Internship will be carried out by students after second semester during vacation and the report submitted by the students will be nssessen internatiy

	00	120 480 70	120		30	12	18		Distantin and	a a dela del a	Contraction of the local distance
• 0	00	00	00	0	0	0	0	Industrial Visit			
4	100	50	50	-	8	8	0	Internship *		16MBAIN307	No. of Street, or other
3	100	80	20	3	S	2	• 3	Elective	16MBAMM303	16MBAHR303	16MBAFM303
3	100	80	20	3	S	2	3	Foundation Elective	16MBAMM302	16MBAHR302	T6MBAFM302
3	100	80	20	3	S	2	3	Foundation Course	16MBAMM301	16MBAHR301	16MBAFM301
3	100	80	20	3	5	. 2	3	Elective	16MBAHR303	16MBAFM303	16MBAMM303
3	100	80	20	3	5	2	3	Foundation Elective	16MBAHR302	16MBAFM302	16MBAMM302
3	100	80	20	3	S	2	3	Foundation Course	16MBAHR301	16MBAFM301	16MBAMM301
Credits	Marks	Exam	IA	Exam (Hours)	Total	Field Work / Assignment **	Lecture		HR & Marketing	Finance &HR	Marketing &Finance
	Total			Duration of		Practical /				Subject Code	
		ks for	Marks		k	Teaching hours / week	Tes	Category			

InterfectFinance SpecialisationInterfectTitle of the SubjectSubject CodeTitle of the SubjectSubject CodeSubject CodeRetail Management16MBAFM301Principles & Practices of Banking &16MBAFM302Investment Banking &16MBAHR301Services Marketing16MBAFM303Investment Management16MBAHR30316MBAHR303Business Marketing16MBAFM305Cost Management16MBAHR305	Conflict & Negotiation Management	16MBAHR306	Strategic Credit Management	16MBAFM306	Supply Chain Management	16MBAMM306	
rketing SpecialisationFinance SpecialisationTumTitle of the SubjectSubject CodeTitle of the SubjectSubject CodeSubject Code <td< td=""><td>Knowledge Management</td><td>16MBAHR305</td><td>Cost Management</td><td>16MBAFM305</td><td>Business Marketing</td><td>16MBAMM305</td><td>1</td></td<>	Knowledge Management	16MBAHR305	Cost Management	16MBAFM305	Business Marketing	16MBAMM305	1
rketing SpecialisationFinance SpecialisationImage: SpecialisationTitle of the SubjectSubject CodeTitle of the SubjectSubject CodeSubject CodeSu	Learning & Development	16MBAHR304	Advanced Financial Management	16MBAFM304	Marketing Research	16MBAMM304	
rketing SpecialisationFinance SpecialisationInterpret SpecialisationTitle of the SubjectSubject CodeTitle of the SubjectSubject CodeSubject CodeConsumer Behavior16MBAFM301Principles & Practices of Banking &16MBAHR301Retail Management16MBAFM302Investment Banking &16MBAHR302	Compensation & Denetitis	16MBAHR303	Investment Management	16MBAFM303	Services Marketing	16MBAMM303	1
rketing Specialisation     Finance Specialisation       Title of the Subject     Subject Code     Title of the Subject     Subject Code       Consumer Behavior     16MBAFM301     Principles & Practices of Banking     16MBAHR301	Recruitment & Selection	16MBAHR302	Financial Services	16MBAFM302	Retail Management	16MBAMM302	1
rketing Specialisation         Finance Specialisation           Title of the Subject         Subject Code         Subject	a a m-lation		Instant Danking &				T
rketing Specialisation     Finance Specialisation       Title of the Subject     Subject Code       Title of the Subject     Subject Code	Industrial Relations & Legislations	16MBAHR301	Principles & Practices of Banking	16MBAFM301	Consumer Behavior	16MBAMM301	
Finance Specialisation	I III I III III III Judges	Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	
	Title of the Subject	intri v	inance Specialisation		eting Specialisation	Mark	1

## (Core Specialisation Subjects) III SEMESTER

# **HI SEMESTER** (Dual Specialisation)

hours for the faculty and must be considered in the workload. Maharaja Institute of Fedhnology Mysore Belawadi, Naguvahahalii Post Srirangapatna Taluk Mandya District - 5/1477 E



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		16MBAMM406	16MBAMM405	16MBAMM404	16MBAMM403	16MBAMM402	16MBAMM401	Marketing	
	16MBAPR407	16MBAFM406	16MBAFM405	16MBAFM404	16MBAFM403	16MBAFM402	16MBAFM401	Finance	Subject Code
		16MBAHR406	16MBAHR405	16MBAHR404	16MBAHR403	16MBAHR402	16MBAHR401	Human Resource	
	Project Work *	Elective	Foundation Elective	Foundation Course	Elective	Foundation Elective	Foundation Course		Category
	0	3	3	3	3	3	ω	Lecture	Te
	8	2	2	2	2	2	2	Practical / Field Work / Assignment **	Teaching hours / week
	8	S	S	S	S	S	5	Total	ek
	1	3	3	3	3	3	3	Exam (Hours)	
	50	20	20	20	20	20	20	IA	Mar
	150	80	80	80	80	80	80	Exam	Marks for
800	200	100	100	100	100	100	100	Total Marks	
30	12	دى	دى	3	3	3	3	Credits	

٠

the total marks of 150 shall be allotted as follows: 50 marks each for report evaluation by internal and external examiners respectively and remaining 50 marks for the viva voce examination, jointly assessed by internal and external examiners.

### **Core Specialisation**) IV SEMESTER

\*\* Practical /Field Work / Assignment is a part of contact hours for the faculty and must be considered in the workload.

Maharaja Institute o Balawson, Negeratina Taiuk Setember Negeratina Taiuk Balawson, Negeratina Taiuk Balandya Districa - S71477 . -



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examination, the total marks of 150 shall be allotted as follows: 50 marks each for report evaluation by internal and external examination, jointly assessed by internal and external examiners. marks for the viva voce examination, jointly assessed by internal and external examiners. Mandya District - 571477

-				Re I					
		16MBAFM403	16MBAFM402	16MBAFM401	16MBAMM403	16MBAMM402	16MBAMM401	Marketing &Finance	
	16MBAPR407	16MBAHR403	16MBAHR402	16MBAHR401	16MBAFM403	16MBAFM402	16MBAFM401	Finance & HR	Subject Code
		16MBAMM403	16MBAMM402	16MBAMM401	16MBAHR403	16MBAHR402	16MBAHR401	HR & Marketing	
	Project Work *	Elective	Foundation Elective	Foundation Course	Elective	Foundation Elective	Foundation Course		Category
	0	دى	3	3	3	3	UJ UJ	Lecture	Tes
	8	2	2	2	2	2	2	Field Work / Assignment **	Teaching hours / week
	8	5	s	5	S	s	5	Total	k
	1	3	3	3	3	3	3	Exam (Hours)	Duration of
	50	20	20	20	20	20	20	IA	Marks
	150	80	80	80	80	80	80	Exam	is for
800	200	100	100	100	100	100	100	Marks	Total
800 30	12	3	3	5	3	3	3	Creuits	Candito

100

Ma	Marketing Specialisation	-	Financial Specialisation	Hur	Human Resource Specialisation
Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
16MBAMM401	Sales Management	16MBAFM401	Mergers, Acquisitions & Corporate	16MBAHR401	Public relations
			Restructuring		and a Vialia Custame
16MBAMM402	Integrated Marketing	16MBAFM402	Risk Management and Insurance	16MBAHR402	Workplace Ethics & Value Systems
	Communication				
16MBAMM403	E-Marketing	16MBAFM403	Tax Management	16MBAHR403	International Human Kesource Management
16MBAMM404	Strategic Brand Management	16MBAFM404	International Financial Management	16MBAHR404	Organisation Change and Developmen
16MBAMM405	Rural Marketing	16MBAFM405	Financial Derivatives	16MBAHR405	Strategic Talent Management
16MBAMM406	International Marketing Management	16MBAFM406	Corporate Valuation	16MBAHR406	Personal Growth & Interpersonal Effectiveness

### (Core Specialisation Subjects) IV SEMESTER

### (Dual Specialisation) IV SEMESTER



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\*\* Practical /Field Work / Assignment is a part of contact hours for the faculty and must be considered in the workload.

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9	2	
-		
-	5	

Subject Code	Code rinance Specialisation	Marketing & Hur	Marketing & Human Resources Specialisation	Finance & H	Human Resource Specialisation
16MRAMM401	Color March I Itle of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
TOLINITY STREET	sales Management	16MBAMM401	Sales Management	16MBAFM401	Mergers, Acquisitions & Corporate
16MRAMMAN					Restructuring
16MD AMMAAAA	Integrated Marketing Communication	16MBAMM402	Integrated Marketing Communication	16MBAFM402	Risk Management and Insurance
TOWD AIVINIUS	E-Marketing	16MBAMM403	E-Marketing	16MBAFM403	Tax Management
IOMBALM401	Mergers, Acquisitions & Corporate Restructuring	16MBAHR401	Public relations	16MBAHR401	Public relations
16MBAFM402	Risk Management and Insurance	16MBAHR402	Workplace Ethics & Value Systems	16MBAHR402	Workplace Ethics & Value Systems
16MBAFM403	Tax Management	16MBAHR403	International Human Resource	16MBAHR403	International Human Resource Management
			Management		Management

## Flan of action (proposed)

- 1. Implementation of CBCS for MBA Programme will be effective from next academic year, i.e., 2016-17
- 2. Review of Scheme of Teaching and Examinations being finalized
- 3. Award of Credits for various components of MBA Programme
- 4 Allotment of marks for the subjects/papers, seminar and summer project.

except Internship, for which the pattern will be 50:50 basis for 80:20 patterns of marks for external examination and internal (IA) marks respectively is to be adopted for all the subjects, internal and external assessments respectively.

Question paper for theory examination shall consist of Part A and B as under:

- Part A shall consist of 5 questions subdivided into a, b, c in 3+7+10 mixed pattern

IA Pattern: 20 marks in each subject, comprising of 10

exams

### **Specialisation Subjects)** IV SEMESTER

Part B shall be a *compulsory* question on Case study/ Practical problem for 20 marks (may contain a maximum of 4 sub-questions).

marks for tests and 10 marks for assignments/seminars/practical exercises/quiz/oral

laharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Mandya District - 571477 Srirangapatna Taluk cipal 00



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Project Work(IV Semester)
IV Semester
Internship (III Semester)
III Semester
II Semester
I Semester
Year Particulars
Ser

PROGRAMME OUTCOMES STUDENT WILL BE ABLE CO (POS)

institutions of importance. them to solve practical problems in business and other organizations / PO1. Acquire Sufficient theoretical knowledge and are enabled to apply

continuously employable. and critical thinking that enhances learn ability, developed for being PO2. Apply Effective communication skills with a high degree of lateral

decision making skills that reflect a high degree of social consciousness PO3. Demonstrate leadership qualities, ethically sound, enabled with

a growingly complex, economic, legal and ethical environment PO4. Recognise the need for sustained research orientation to comprehence

calculated risk taking. PO5. Possess self-sustaining entrepreneurship qualities that encourages

### SCHEME OF TEACHING AND EXAMINATION

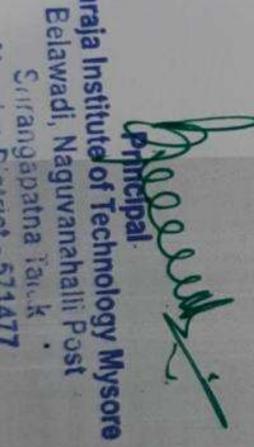
Tracking hoursperMarke for SetManagement & Organizational BehaviorCore4-43406010Management & Organizational BehaviorCore4-43406010Management & Organizational BehaviorCore4-43406010Managerial EconomicsCore4-43406010Marketing ManagerisCore4-43406010Marketing Managerial CommunicationsCore4-43406010Marketing Managerial CommunicationsCore4-43406010<	Title of the Subject       Course Course Course Category       Teaching hours       per       Marks for         Management & Organizational Behavior       Core       4       -       4       3       40       6         Management & Organizational Behavior       Core       4       -       4       3       40       6         Management & Organizational Behavior       Core       4       -       4       3       40       6         Managerial Economics       Core       4       -       4       3       40       6         Marketing Management       Core       4       -       4       3       40       6         Marketing Management       Core       4       -       4       3       40       6         Marketing Management       Core       4       -       4       3       40       6         Marketing Management       Core       4       -       4       3       40       6         Marketing Management       Core       4       -       4       3       40       6         Marketing Management       Core       4       -       4       3       40       6         Managerial C		18MBA16	18MBA15	18MBA14	18MBA13	18MBA12	18N(BA11	Subject Code	
$ \begin{array}{ c c c c c } \hline \mathbf{Course} & \mathbf{Course} & \mathbf{Course} & \mathbf{Course} & \mathbf{Course} & \mathbf{Course} & \mathbf{Equal} & \mathbf{Equal}$	$ \begin{array}{ c c c c c c } \hline \mbox{Ferching bours} & \mbox{per} & \mbox{Figure} & \mbox{Largory} &$		116	115	14	13	12	=		
Teraching hours     per     Marks for $y$ $z$ z $z$ $z$ $z$ <	Tracking hours         per         Marks for $Y$ a and a and a and a compared products         Total area and a and a compared products         Total area area and a compared products         Total area area and a compared products         Total area area area area area area area ar		Managerial Communications	Marketing Management	Business Statistics & Analytics	Accounting for Managers	Managerial Economics	Management & Organizational Behavior	Title of the Subject	
Fraching hours     per reck     Marks for $ecture     atan atproba     Totaltotalproba     Totaltotalproba     an etanatproba     Totalproba     <$	Fracting bours     per     Marks for       veck     Total     Total $antaion of point       Lecture     Practical and thomas     antaion of point     antaion of point       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     4     3     40     60     100       4     -     24     -     240     50     500  $	Tota	Care	Core	Core	Core	Core	Core	Category	Course
per         Marks for           Total $an a f a f a f a f a f a f a f a f a f a$	per         Marks for         Total		4	4	4	4	4	4	Lecture	Teachin
per         Marks for         Marks for           Todal         at an and a base base and a base ba	per         Marks for         Total         Total         Discours         CIE         SEE         Total         Total         Total         Total         Total         Total         Marks for         Total         Marks					4	3.		Practical Component	g hours
Marks for         Marks for           3         CIE         SEE         Total           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         10           3         40         60         1           -         240         50         1	Marks for Example hours         Marks for           3         CIE         SEE         Total Marks           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           3         40         60         100           40         60         100         100			4	+	4	4	+	Total Hours	per
Tatal           Tatal           Mark           60         10           60         10           60         10           60         10           60         10           60         10           60         10           60         10           60         10           50         10           50         10           50         10	Tatal     Tatal       Tatal     Marks       50     100       60     100       60     100       60     100       60     100       60     100       60     100       60     100       60     100       60     100		1.29	3	3	3	3	3	Exam	of
Tatal Tatal Mark 60 10 60 10 60 10 60 10 60 10 60 10	Tatal     Tatal       Tatal     Marks       50     100       60     100       60     100       60     100       60     100       60     100       60     100       60     100       60     100       60     100	2	+	4	ち	40	5	40	CIE	Marks
Tatal Mark 10 10 10	Tatal Marks 100 100 100 0 100 0 100 60 60	220	-	1000		5	8	8	SEE	Inr
	500 8 8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0				and the second s		-	10	Total Mark	

course instructor may use an extra casefrom Harvard/Case Centre. The student cannot assume the same cases will be part of the 1. Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the

question paper.
2.One Industrial Visit per Semester is Mandatory. The Department shall insist on report submit ssion by each student and shall maintain this as a documentary proof. Theformat of the report shall be prescribed by the department.
3. Course instructors are free to set the Course outcome and map with the Programme Outcome, subsequently attainment level

be calculated ient level E

			Teac	Teaching hours per week	R	of ion	Marks for	for
Subject Code	Title of the Subject	Course Category	Lecture	Practical Component	Total	Duration o Examination Hours	CIE	SEE
18MBA21	Human Resource Management	Core	4		4	2.03	40	60
18MBA22	Financial Management	Core	*	,	+	3	t	5
18MBA23	Research Methodology	Core	+		4	3	古	60
18MBA24	Legal and Business Environment	Core	4		+	3	40	60
18MBA25	Strategic Management	Core	4	,	+	3	40	60
18MBA26	Entrepreneurship Development	Core	4+	,	+	3	40	65
		Total	24		24		240	0 360



Mandya District - 571477

Note:

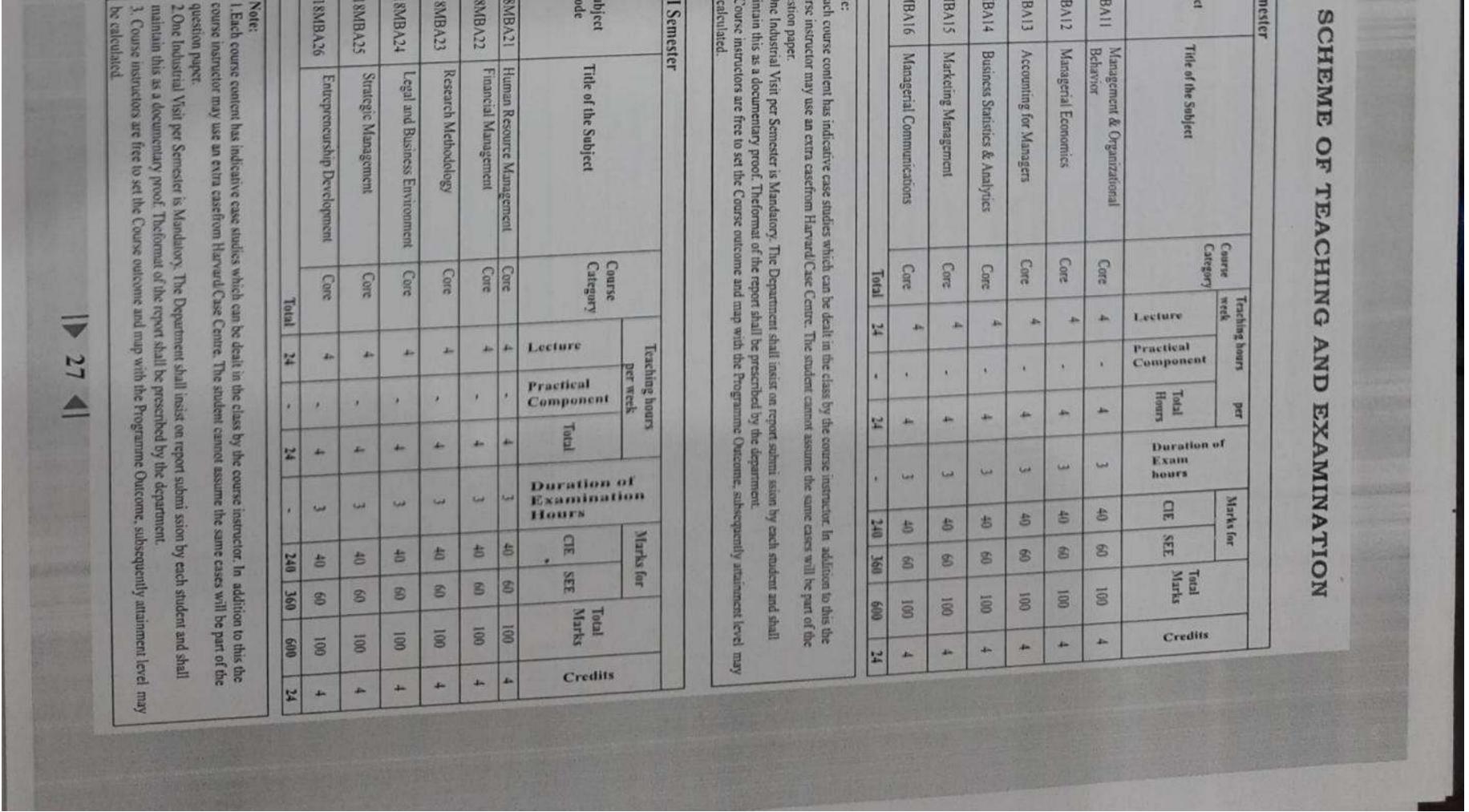
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		Marketing	IRMBANM401 Sales	Management	18MBANN402 Integrated	Marketing Communication	ISMBAMM403 Digital and	Social Media Marketing	18MBAMM404 Strategic Brand	waasgeinen	Rural Marketing	SMPLANDALIN.	International Markenine	Management	IBMBAPR407 P	Industrial Visit		Note:	L'Course instru	2 Project work		
	Subject Code	Finance	ISMBAFM401 Mergers	Acquisitions & Corporate Restructuring	Risk Risk	Management and Insurance	INNBAFM403 Indirect Taxation		18MBAFM404 International	Management	Financial	10/10/20/200	Corporate	Valuation	njeci Wark				ctors are free to set th	(Six Weeks) will be a		
		Human Resource	INNEAHR401 Public Rotonom	Colorence and	ISMBAHR402	Leadership	18MBAHR403	Human Resource Management	INMBAHR404 Organization	Change and Development	Strategic Talent	Tenero a ton and	Personal Growth	& interpersonal Effectiveness					te Course outcome as	carried out after third		
	e Category	6075F	e	and a second	1	LINCON	7	Count	Electiv		Electin	T	Beetr		Cor	Cor	Te		id map wi	sempsier		
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			-	8	-	-	+	271	-		-	-	••	4	1	1	1		suhs	ing loun		
		SEE			1		+	112	-	-		-			-	1	-		cally	h senes		
$\frac{1}{1} \frac{1}{1} \frac{1}$	Tel	Marks		18		100	1	100			1. 10		-			-	-		Mainnien	R		
	eality	Cre		5		5	-			-		-	-	2	8	1	100		t level a			
IRR     A Non-Non-Office     Theorem of the maximum of the ma																						
Image Reverses         Image R	tr Jemester (DB	Wurkedaw & T	Marketing & Finance	10		ISMBAMM402 Integrated	Communication	Digital and Social Modes Medica	18MBAFM401	Mergens, Acquisitions &	Restructurnog	Risk Marcaneme	and Insurance	ISMBAFN403	Indirect Taxatio		18MBAPR40	Industrial Visi		Note: LCourse inst	2. Project we	an instant
Image Reverses         Image R	Subject Code		Finance & HR	10		1402	-	1	-	ons &	Restructurrag	2	1	-	-	Management	18MBAPR407Project Work	Industrial Visit		Note: L'Course instructors are free to se	2. Project work(Six Weeks) will	Itim fermen and furner seafors -
Image Reverses         Image R			Finance & HR HR & Marketing	11 18MBAPM01 Mergers, Accrete/forme.fr		4402 18MBAFM402 Risk Management	20URURSUI DUR	Indirect Taxation	10T 815 8 W.S.	ons & Public Relations		I AMEANRAUZ	Leadership	INMBAHR403	International	nent	18MBAPR407Project Work	Industrial Visit		Note: 1 Course instructors are free to set the Course outcome	2. Project work(Six Weeks) will be carried out after th	The rest of the frequence of the sector of t
Image: Component of the server of t	ategerty		Finance & HR HR & Marketing	11 13MBAFM401 13MBAHR401 Mergers, Public Relations	Corporate	18MBAFM402 I8MBAHR402 Risk Management Organizational	and insurance Leadership	Indirect Taxation International	Management 101 9101	ons & Public Relations Sales Vancament		I AMEANRAUZ	Leadership Marketing	INMBAHR403	International Digital and Social	active Media Marketing	18MBAPR407Project Work	Industrial Visit		Note: 1. Course instructors are free to set the Course outcome and man	2. Project work(Six Weeks) will be carried out after third seme	ALLO THE ALL THE ALL AND THE PARTY AND ALL AND A
Image: Conception         Image: Section         Imag	a tang unity Der m	as Cal	Finance & HR HR & Marketing Course	18MBAFM01     18MBAHR401       Mergers,     Public Relations	Corporate Restructuring	18MBAEM402 18MBAHR402 Risk Management Organizational Statement	and insurance Leadership	Indirect Taxation International Elective	panadanung auf die	ons & Public Relations Sales Vianament Clamica		I AMEANRAUZ	Leadership Marketing Elective	INMBAHR403	International Digital and Social Electric	nent Media Marketing		Visit	Total	ihe	k(Six Weeks) will be carried out after third semester and	a rejess monations means will be called out after title schedule and
Marks for Marks for 1 1 1 40 10 10 1 1 1 40 10 10 1 1 1 10 10 1 10 10 1	a to	as Cal	Finance & HR HR & Marketing Course Lastan Prosition Total	Acamientomede 13MBAHR401	Corporate Corporate Restructuring	18MBAFM402 ISMBAHR402 Risk Management Organizational Staction 2	and insurance Londership	Indirect Taxation International Elective 2 -	panadanung auf die	ons & Public Relations Sales Vianament Clamica		I AMEANRAUZ	Leadership Marketing Elective	INMBAHR403	International Digital and Social Etherino	achouse Media Marketing	Core -	Visit Core -	18	the Pro	k(Six Weeks) will be carried out after third semester and shall	a relevant or manage with on children out that hitle scince out and shall
nh semester the	a total a tota	as Calusati	Finance & HR HR & Marketing Course Lastan Practice Compon Total Dura Exam	11     13MBAFM401       Mergers,     Public Relations       Accentionnects     T	Corporate Corporate	18MBAFM402 18MBAHR402 Risk Management Organizational Statevice 2 - 3	and insurance Leadership	Indirect Taxation International Elective 3 - 3	turning automation and a second a sec	ons & Public Relations Sales Vianaement Chanter 1 - 3		A CHARACT ISMBAMM402	Leadership Marketing Elective 3	INMBAHR403	International Digital and Social Election t	achouse Media Marketing	Core - 12	Visit Core -	18 12	the Prosessan	k(Six Weeks) will be carried out after third semester and shall	a relevant or manage with on children out that hitle scince out and shall
	a total a tota	ation S ation S ation S	Finance & HR HR & Marketing Courts Lastan Prosition Total Dura Examples	11     13MBAFM401       Mergers,     13MBAHR401       Acominimized     Public Relations	Corporate Corporate	18MBAFM402 I8MBAHR402 Risk Management Organizational Staction 2 - 3	The source of th	Indirect Taxation International Elective 1 - 3	turning automatic and a second a	ons & Public Relations Sales Vianaement Chanter 1 - 3		A CHARACT ISMBAMM402	Leadership Marketing Elective 3 - 3	INMBAHR403	International Digital and Social Electron 2 - 3	acource Media Marketing	Core - 12 12	Visit Core	18 12	the Prosessan	k(Six Weeks) will be carried out after third semester and shall	a relevant or manage with on children out that hitle scince out and shall
The second secon	a total a tota	as Cal asinath athon s alinath aurs	Finance & HR HR & Marketing Course Lastan Practice Compone Total Dura Example ho CIE	11     13MBAFM401       Mergers,     13MBAHR401       Acominimized     Public Relations	Corporate Corporate	18MBAFM402 I8MBAHR402 Risk Management Organizational Staction 2 - 3	the r automatic Concentration of a sources that	Indirect Taxation International Elective 3 - 3 -	ISMBAHDA Instant Antion	ons & Public Relations Sales Glassier - 3		A CHARACT ISMBAMM402	Leadership Marketing Elective 3 - 3 3 40	INMBAHR403	International Digital and Social Electron 2 - 3 -	active Media Murketing	Core - 12 12 -	Visit Core	18 12 30 -	the Prosessan	k(Six Weeks) will be carried out after third semester and shall	a relevant or manage with on children out that hitle scince out and shall

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			ry	Te	Teaching hours	XIC.		Marks for	sfor		
	Subject Code		rgo	T	100 100 100					1	5
	condexe come		Cates	are		ad		E	E	Total Mark	redits
Marketing	Finance	Human Resource	Course	Lectu	Practic: Compos	Tota	Duratio Examin hours	CIE	SEI		C
18MBAMM301 Consumer Behavior	18MBAFM301 Banking and Financial Services	18MBAHR301 Recruitment & Selection	Elective	3	2	s	3	<b>t</b>	60	001	-
18MBAMM302	18MBAFM302	18MBAHR302									-
Retail	Investment	HR Analytics	Elective	w	2	5	3	40	60	100	4
management											
encimitation of	Diana Transiona	Commentation &	Flective		3	~		40	6	130	4
Marketing		Reward System									
ISMBAMM304	18MBAFM304	18MBAHR304	- and -								
Marketing	Advanced	Learning &	Elective	-	2	n	-	40	60	100	4
Research&	Financial	Development		0	1			04	00	100	
Analytics	Management										
18MBAMM305	18MBAFM305	18MBAHR305									
Business	Cost	Industrial	Elective	*	5			40	60	100	4
Marketing	Munagement	Relations &		e					00.		1
18MBAMM306	18MBAFNG06	18MBAHR306								and and a second	
Supply Chain	Project Appraisal	Conflict &	Elective		2	<b>n</b>		40	60	100	4
Management	Planning & Control	Negotiation				4		AL.	00		
18MBAOS307 Org	OrganizationStudy		Core	0	8	8	1	40	60	100	4
Industrial Visit			Core	1	1	1	1	1	1	1	
			Total	18	20	38	-	280	420	700	28

Note: LEach Course has a theory component of 3hrs (3credits) and a Practical component of 2hrs (1credit). The Time-Table allotment for each course should be (3+2) = 5hours.

 For the practical component, it is mandatory to maintain a practical record.
 20% of marks should be allocated for application oriented questions in the SEE Question Paper, based on practical component.
 Organization Study (Four Weeks) will be carried out by students after second semester during vacation and the report submitted by the students will be assessed internally during the third semester.

maintain this as a documentary proof. Theformat of the report shall be prescribed by the department. 5.One Industrial Visit per Semester is Mandatory. The Department shall insist on report submission by each student and shall

6. Course instructors are free to set the Course outcome and map with the Programme Outcome, subsequently attainment level may be calculated

	Rubrics for Organization Study	1	Rubrics for Viva voce Examination	
	Particulars	Marks	Aspects	Marks
CIE	Assessment by the Guide- Interaction with the student	20	Communication skill	2
	Report Evaluation by the Guide	20	Understanding the Industry	5
SEE	Viva-Voce Examination to be conducted by the Guide and an External examiner from the Industry/Institute	60	Understanding the Corporate Functions/Company profile	10
5.4	Total	100	Mckensy's 7S framework and Porter's Five Force Model	10
			SWOT analysis	10
			inancial statement analysis	10
			carning experience	s
			Access II assessmentation	~

cial hiss

Total

60

haraja Institute of Technology Mysore Belawadi, Naguvanahalli Post

Srirangapatna Taluk Mandya District - 571477

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	Industrial Visit	18MBAOS307 Organization study	18MBAFM303 Direct Taxation	18MBAFM302 Investment Management	18MBAFM301 Banking and FinancialServices	18MBAMM303 Services Marketing	18MBAMM302 Retail Management	18MBAMM301 Consumer Behavior	Marketing & Finance	
		ganization study	18MBAHR303 Compensation & Reward System	18MBAHR302 HR Analytics	18MBAHR301 Recruitment & Selection	18MBAFM303 Direct Taxation	18MBAFM302 Investment Management	18MBAFM301 Banking and FinancialServices	Finance & HR	Subject Code
			18MBAMM303 Services Marketing	18MBAMM302 Retail Management	18MBAMM301 Consumer Behavior	18MBAHR303 Compensation & Reward System	18MBAHR302 HR Analytics	18MBAHR301 Recruitment & Selection	HR & Marketing	
Tutal	Core	Core	Elective	Elective	Elective	Elective	Elective	Elective	Course Calego	1. T
81	1	1	-	w		w.	y	u	Lecture	Teach
10	1	8	2	ы	1.4	2	2	2	Practical Component	Teaching hours per week
RE	1	*	5	Un.	5	50	UN.	50	Tetal	in
100	1	1	J	-	su:	3	-	3	Duration of Examination	hours
180	1	40	40	40	40	40	40	40	CIE	Marks for
420	i	60	60	60	6	60	8	60	SEE	for
700	1	100	100	100	100	100	100	00	Total Marks	
28		4	-		4	4	4	-	Credits	

I. Each Course has a theory component of 3hrs (3credits) and a Practical component of 2hrs (1credit). The Time-Table allotment for each course should be (3+2) = 5hours. VOIC:

For the practical component, it is mandatory to maintain a practical record.
 20% of marks should be allocated for application oriented questions in the SEE Question Paper, based on practical component.
 Organization Study (Four Weeks) will be carried out by students after second semester during vacation and the report submitted

by the students will be assessed internally during the third semester. 5.One Industrial Visit per Semester is Mandatory. The Department shall insist on report submission by each student and shall

6. Course instructors are free to set the Course outcome and map with the Programme Outcome, subsequently attain maintain this as a documentary proof. Theformat of the report shall be prescribed by the department ent level may

5	Learning experience			
10	Financial statement analysis			
10	SWOT analysis			
1000	Mckensy's 7S framework and Porter's Five Force Model	100	Total	
	Understanding the Corporate Functions/Company profile	60	Viva-Voce Examination to be conducted by the Guide and an External examiner from the Industry/Institute	SEE
s	Understanding the Industry	20	Report Evaluation by the Guide	
S	Communication skill	20	Assessment by the Guide- Interaction with the student	CIE
Marks	Aspects	Marks	Particulars	
	Rubrics for Viva voce Examination		Rubries for Organization Study	

Total

60

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### SCHEME OF TEACHING AND EXAMINATION

			/ISVESVARAYA TECHNOLOGIC/ Scheme of Teaching and Ex MASTER OF BUSINESS ce Based Credit System (CBCS) ar I SEMES	ADMIN ad Outcom	s - 2020 - 21 ISTRATI	I ON				
				Teaching l	Iours /Week		Exami	nation	62 K. A	
SL No	Course	Course Code	Course Title	Theory	Practical component	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	20MBA11	Management & Organizational Behavior	03	02	03	40	60	100	4
2	PCC	20MBA12	Managerial Economics	03	02	03	40	60	100	4
3	PCC	20MBA13	Accounting for Managers	03	02	03	40	60	100	4
4	PCC	20MBA14	Business Statistics	03	02	03	40	60	100	.4
5	PCC	20MBA15	Marketing Management	03	02	03	40	60	100	4
6	PCC	20MBA16	Managerial Communication	03	02	03	40	60	100	4
			TOTAL	18	12	18	240	360	600	24

**PCC: Professional Core Course** 

Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload. Four credit courses are designed for 50 hours Teaching - Learning process.

Note:

- 1. Each course has a theory component of 3hrs (3credits) and a practical component of 2hrs (1credit). The time-table allotment for each course should be 5hrs (3+2). For the practical component it is mandatory to maintain a record.
- 2. 20% of marks should be allocated for application oriented questions in the Semester End Examination (SEE) question paper based on practical component.
- 3. Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the course instructor may use an extra case from Harvard/Case Centre. The student cannot assume the same cases will be part of the SEE question paper.
- 4. One industrial visit per semester is mandatory. The department shall insist on report submission by each student and shall maintain this as a documentary proof. The format of the report shall be prescribed by the department.
- 5. Students and course instructor/s to involve either individually or in groups to interact together to enhance the learning and application skills.
- 6. Practical component:

Students should interact with industry (small, medium and large) to understand their problems or foresee what can be undertaken for study in the form of research/ testing / projects and for creative and innovative methods for guidance and to solve the identified problem.

### 7. The students shall

- (a) Gain confidence in modeling of management systems.
- (b) Work on different software/s (tools) to simulate, analyse and authenticate the output to interpret and conclude.
- (c) Involve in case studies and field visits/ field work.
- (d) Accustom with the use of standards to narrow the gap between academia and industry.

All activities should enhance student's abilities to employment and/or self-employment opportunity, management skills, statistical analysis, fiscal expertise etc.

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			SVARAYA TECHNOLOGI Scheme of Teaching and MASTER OF BUSINES ased Credit System (CBCS) II SEMI	S ADMII and Outc	NISTRAT	ION				
	1	1	II SEMI	T	lours /Week		Exami	nation		
SI. No	Course	Course Code	Course Title	Theory	Practical Component	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	20MBA21	Human Resource Management	03	02	03	40	60	100	4
2	PCC	20MBA22	Financial Management	03	02	03	40	60	100	4
3	PCC	20MBA23	Research Methodology	03	02	03	40	60	100	4
4	PCC	20MBA24	Operations Research	03	02	03	40	60	100	4
5	PCC	20MBA25	Strategic Management	03	02	03	40	60	100	4
	PCC	20MBA26	Entrepreneurship & Legal Aspects	03	02	03	40	60	100	4
	TOL STR	T	OTAL	18	12	18	240	360	600	24

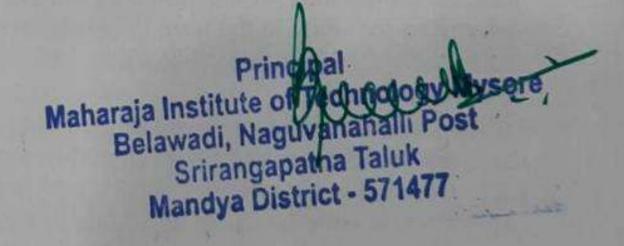
Note:

**PCC: Professional Core Course** 

Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload. Four credit courses are designed for 50 hours Teaching – Learning process.

Note:

- Each course has a theory component of 3hrs (3credits) and a practical component of 2hrs (1credit). The time-table
  allotment for each course should be 5hrs (3+2). For the practical component it is mandatory to maintain a practical
  record.
- 20% of marks should be allocated for application oriented questions in the SEE Question Paper, based on practical component.
- Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition
  to this the course instructor may use an extra case from Harvard/Case Centre. The student cannot assume the same
  cases will be part of the question paper.
- 4. One industrial visit per semester is mandatory. The department shall insist on report submission by each student and shall maintain this as a documentary proof. The format of the report shall be prescribed by the department.
- Internship (four weeks) to be carried out by students after second semester during vacation and the report submitted by the students be assessed internally during the third semester.



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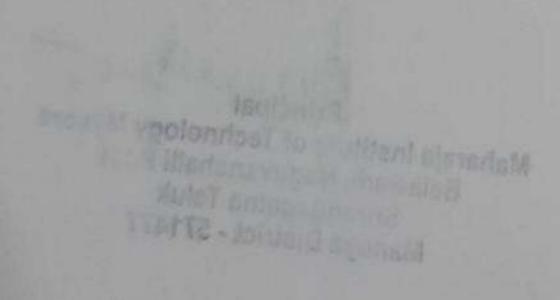
			Scheme of Te MASTER C Based Credit Sy	CHNOLOGICAL aching and Exam OF BUSINESS AD stem (CBCS) and (	inations – MINISTF Dutcome B	2020 - 21 RATION ased Educa	tion(O				
		1	Course Code	(Core Courses and	THE REAL PROPERTY OF THE PARTY	the second s	s)	<b>F</b> 1			
SI. No	Course	Marketing	Finance	Human Resource	Leaching H	Practical Component	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	20MBA301*	20MBA301*	20MBA301*	03	02	03	40	60	100	4
2	PCC	20MBA302*	20MBA302*	20MBA302*	03	02	03	40	60	100	4
3	PEC	20MBAMM303	20MBAFM303	20MBAHR303	03	02	03	40	60	100	4
4	PEC	20MBAMM304	20MBAFM304	20MBAHR304	03	02	03	40	60	100	4
5	PEC	20MBAMM305	20MBAFM305	20MBAHR305	03	02	03	40	60	100	4
6	PEC	20MBAMM306	20MBAFM306	20MBAHR306	03	02	03	40	60	100	4
7	PCC	20MBA IN 307	20MBA IN 307	20MBA IN 307	-	08	-	40	60	100	4
		TOTAL			18	20	18	280	420	700	28

PCC: Professional Core Course, PEC: Professional Elective Course.

Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload. Four credit courses are designed for 50 hours Teaching – Learning process. \* Interdisciplinary Core Courses may be taught by engineering faculty/subject expert.

Note:

- Each course has a theory component of 3hrs (3credits) and a Practical component of 2hrs (1credit). The time-table allotment for each course should be 5hrs (3+2). For the practical component it is mandatory to maintain a practical record.
- 2. 20% of marks should be allocated for application oriented questions in the SEE Question Paper, based on practical component.
- One industrial visit per Semester is mandatory. The Department shall insist on report submission by each student and shall maintain this as a documentary proof. The format of the report shall be prescribed by the department.
- Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the
  course instructor may use an extra case from Harvard/Case Centre. The student cannot assume the same cases will be part of the
  question paper.
- Project (six weeks) to be carried out by students after third semester and the report submitted by the students during the fourth semester.



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			Scheme of To MASTER (	CHNOLOGICAL eaching and Exam OF BUSINESS AD stem (CBCS) and (	inations - MINIST	- 2020 - 21 RATION					
			III SEMESTE	R (Core Courses an	d Dual Sp	ecialisation	)	15.2			
		and the designed	Course Code		In the second	lours /Week		Exami	nation		
SI. No	Course	Marketing & Finance	Finance& Human Resource	Human Resource & Marketing	Theory	Practical Component	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	20MBA301*	20MBA301*	20MBA301*	03	02	03	40	60	100	4
2	PCC	20MBA302*	20MBA302*	20MBA302*	03	02	03	40	60	100	4
3	PEC	20MBAMM303	20MBAFM303	20MBAHR303	03	02	03	40	60	100	4
4	PEC	20MBAMM304	20MBAFM304	20MBAHR304	03	02	03	40	60	100	4
5	PEC	20MBAFM303	20MBAHR303	20MBAMM303	03	02	03	40	60	100	4
6	PEC	20MBAFM304	20MBAHR304	20MBAMM304	03	02	03	40	60	100	4
7	PCC	20MBA IN 307	20MBA IN 307	20MBA IN 307		08		40	60	100	4
Not	-	TOTAL			18	20	18	280	420	700	28

Note:

PCC: Professional Core Course, PEC: Professional Elective Course.

Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload.

Four credit courses are designed for 50 hours Teaching - Learning process.

\* Interdisciplinary Core Courses may be taught by engineering faculty/subject expert.

Note:

- 1. Each course has a theory component of 3hrs (3credits) and a practical component of 2hrs (1credit). The time-table allotment for each course should be 5hrs (3+2). For the practical component it is mandatory to maintain a practical record.
- 20% of marks should be allocated for application oriented questions in the SEE Question Paper, based on practical component. 2.
- 3. One industrial visit per semester is mandatory. The Department shall insist on report submission by each student and shall maintain this as a documentary proof. The format of the report shall be prescribed by the department.
- 4. Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the course instructor may use an extra case from Harvard/Case Centre. The student cannot assume the same cases be part of the question paper.
- Project (six weeks) to be carried out by students after third semester and the report submitted by the students during the fourth 6. semester.

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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	Schem	A TECHNOLOG e of Teaching and TER OF BUSINE	Examinations - 2	2020 - 21	
Cho	ice Based Cred	lit System (CBCS		Based Education(O	BE)
			1ESTER Courses		
Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
20MBA301	Emerging Exponential Technologies	20MBA301	Emerging Exponential Technologies	20MBA301	Emerging Exponential Technologies
20MBA302	Technology & Operational Strategy	20MBA302	Technology & Operational Strategy		Technology & Operational Strategy
		Specialisat	tion Courses		
Mark Professional El		200	ance lective Courses		man Elective Courses
Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
20MBAMM303	Services Marketing	20MBAFM 303	Investment Management	20MBAHR303.	Recruitment & Selection
20MBAMM304	Marketing Research & Analytics	20MBAFM304	Direct Taxation	20MBAHR304	Human Resource Analytics
20MBAMM305	Consumer Behaviour	20MBAFM305	Banking and Financial Services	20MBAHR305	Industrial Relations and Labour Laws
20MBAMM306	Retail Management	20MBAFM306	Advanced Financial	20MBAHR306	Compensation & Reward System
		the state of the second se	Management	and the second sec	Internship

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			Scheme of To MASTER (	CHNOLOGICA eaching and Exar OF BUSINESS Al stem (CBCS) and	ninations – DMINISTF	2020 - 21 RATION					
			IV SEN	MESTER (Speciali	sation Cour	ses)					
SI			Specialisation Course	cs	Teaching Ho	urs /Week		Exami	nation		9
SI · N o	Course	Marketing	Finance	Human Resource	Theory	Practical Component	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PEC	20MBAMM401	20MBAFM401	20MBAHR401	03	-	03	40	60	100	3
2	PEC	20MBAMM402	20MBAFM402	20MBAHR402	03	-	03	40	60	100	3
3	PEC	20MBAMM403	20MBAFM403	20MBAHR403	03	-	03	40	60	100	3
4	PEC	20MBAMM404	20MBAFM404	20MBAHR404	03	+	03	40	60	100	3
5	PEC	20MBAMM405	20MBAFM405	20MBAHR405	03	-	-03	40	60	100	3
6	PEC	20MBAMM406	20MBAFM406	20MBAHR406	03	-	03	40	60	100	3
7	PCC	20MBAPR407	20MBAPR407	20MBAPR407	-	12	-	40	60	100	6
		and the second se					1.0	200	120	700	24

	TOTAL	18	12	18	280	420	700	24
Practic	Professional Elective Course. cal /Field Work / Assignment are part of contact how credit courses are designed for 40 hours Teaching –	ars for the faculty and mus Learning process.	t be consi	dered in	the wo	rkload	•	
Note: 1. 2.	Each Course has a theory component of 3hrs (3credit 20% of marks should be allocated for application orig	s). The Time-Table allotme ented questions in the SEE Q	nt for each Juestion Pa	a course s aper, base	hould b ed on pi	e 3hrs. actical	compor	nent.

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			MASTER ( Based Credit Sy	CHNOLOGICAL eaching and Exan OF BUSINESS AI stem (CBCS) and EMESTER(Dual Sp	MINISTE Outcome B	ATION					
	0	Marketing &	Subject Code		Teaching H			Exami	nation		
SL No	Course	Finance Human Resource		Human Resource & Marketing	Theory	Practical Component	Duration in hours	IE Marks	SEE Marks	Total Marks	Credits
1	PEC	20MBAMM401	20MBAFM401	20MBAHR401	02	~ 0		C	s	Ŧ	
2	PEC	20MBAMM402	20MBAFM402		03	-	03	40	60	100	3
3	PEC	20MBAMM403	20MBAFM403	20MBAHR402 20MBAHR403	03	-	03	40	60	100	3
4	PEC	20MBAFM401	20MBAHR401		03	-	03	40	60	100	3
5	PEC	20MBAFM402		20MBAMM401	03	-	03	40	60	100	3
6	PEC	20MBAFM402	20MBAHR402	20MBAMM402	03	-	03	40	60	100	3
7	PCC		20MBAHR403	20MBAMM403	03		03	40	60	100	3
	1.00	20MBAPR407	20MBAPR407	20MBAPR407	-	12	-	40	60	100	6
		TOTAL			18	12	18	280	420	700	24
Not	e:										

PEC: Professional Elective Course.

Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload. Three credit courses are designed for 40 hours Teaching – Learning process.

### Note:

- Each Course has a theory component of 3hrs (3credits). The Time-Table allotment for each course should be 3hrs. 1.
- 20% of marks should be allocated for application oriented questions in the SEE Question Paper, based on practical component. 2.

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examinations - 2020 - 21 MASTER OF BUSINESS ADMINISTRATION

Choice Based Credit System (CBCS) and Outcome Based Education(OBE)

IV SEMESTED (Specialization C.

Marketing S	Specialization	Financial 5	pecialization	Human Resou	rce Specialization
Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
20MBAMM401	B2B Marketing Management	20MBAFM401	Risk Management and Insurance	20MBAHR401	Organizational Leadership
20MBAMM402	Logistics and Supply Chain Management	20MBAFM402	Financial Derivatives	20MBAHR402	Personal Growth & Interpersonal Effectiveness
20MBAMM403	Digital Marketing Management	20MBAFM403	Indirect Taxation	20MBAHR403	International Human Resource Management
20MBAMM404	Strategic Brand Management	20MBAFM404	Mergers, Acquisitions & Corporate Restructuring	20MBAHR404	Organization Change and Development
20MBAMM405	Agri Business Marketing	20MBAFM405	Corporate Valuation	20MBAHR405	Human Recourse Audit
20MBAMM406	International Marketing Management	20MBAFM406	International Financial Management	20MBAHR406	Management Consulting for Business Excellence
20MBAPR407	Project Report	20MBAPR407	Project Report	20MBAPR407	Project Report

### **Programme Outcomes (POs)**

- 1. Students are given sufficient theoretical knowledge and are enabled to apply them to solve practical problems in business and other organizations/institutions of importance
- 2. Students are provided effective communication skills with a high degree of lateral and critical thinking that enhances learn ability, developed for being continuously employable.
- 3. Students are instilled with leadership qualities, ethically sound, enabled with decision making skills that reflect a high degree of social consciousness
- 4. Students are trained for sustained research orientation to comprehend a growingly complex, economic, legal and ethical environment
- 5. Students are equipped with self sustaining entrepreneurship qualities that encourages calculated risk taking.

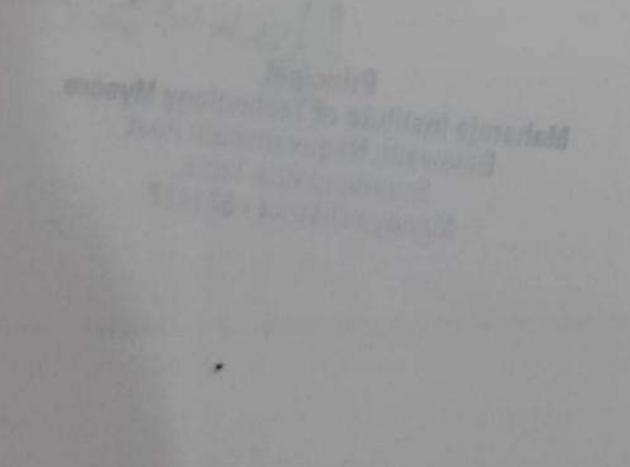
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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM CHOICE BASED CREDIT SYSTEM (CBCS) SCHEME OF TEACHING AND EXAMINATION 2016 – 17 Onwards Master of Computer Applications (MCA)

I Seme	ster					CRED	T BASED	ki s
Furthing		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	eaching urs/week	Duratio	000	orks	Total	COLOR
Subject Code	Name of the Subject	Lectur e	Practical / Assignmen t	n of Exam in Hours	CIE	SEE	Mark s	CREDIT S
16MCA1 1	Data structures using C	4	-	3	20	80	100	4
16MCA1 2	Unix Programming	4	-	3	20	80	100	4
16MCA1 3	Web Technologies	4		3	20	80	100	4
16MCA1 4	Computer Organization	4		3	20	80	100	4
16MCA1 5	Discrete Mathematical Structures	4		3	20	80	100	4
16MCA1 6	Data structures using CLaboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
16MCA1 7	UnixProgramming Laboratory	-	3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
16MCA1 8	Web ProgrammingLaborator y	-	3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
	Total	20	09	24	16 0	64 0	800	26



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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM CHOICE BASED CREDIT SYSTEM (CBCS) SCHEME OF TEACHING AND EXAMINATION 2016 - 17 Onwards Master of Computer Applications (MCA)

II Semes	ter	Real Provide State	CREDIT BASI	ED				
Subject				Duration	Tablact	arks or	Total	CREDITS
Code	Name of the Subject	Lecture	Practical / Assignment	of Exam in Hours	CIE	SEE	Marks	
16MCA21	Python Programming	4		3	20	80	100	4
16MCA22	Object oriented programming using C++	4		3	20	80	100	4
16MCA23	Database Management Systems	4		3	20	80	100	4
16MCA24	OperatingSystems	4		3	20	80	100	4
16MCA25	System Software	4		3	20	80	100	4
16MCA26	Python Programming Laboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
16MCA27	Object oriented programming using C++ laboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
16MCA28	DBMSLaboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
	Total	20	09	24	160	640	800	26

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM CHOICE BASED CREDIT SYSTEM (CBCS) SCHEME OF TEACHING AND EXAMINATION 2016 - 17 Onwards

Master of Computer Applications (MCA)

Cubinat	blown of all	Teachir	ng hours/week	Duration	Mar	ks for	Total				
Subject Code	Name of the Subject	Lecture	Practical / Assignment	of Exam in Hours	CIE	SEE	Marks	CREDITS			
16MCA31	Computer Networks	4	**	3	20	80	100	4			
16MCA32	Java Programming	4	**	3	20	80	100	4			
16MCA33	Design of Algorithms			3	20	80	100	4			
16MCA34			**	3	20	80	100	4 ·			
16MCA35	Elective 1	3		3	20	80	100	3			
16MCA36	Computer Networks Laboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2			
16MCA37	Java Programming Laboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2			
16MCA38	Analysis and Design of Algorithms Laboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2			
	To	tal 19	09	24	160	640	800	25			
			Elective- 1				and the				
6MCA351	Intell	ectual Propert	y Rights								
6MCA352	Enter	prise Resource Planning(ERP)									
6MCA353	MIS 8	E-Commerce	E-Commerce								
6MCA354	Cyber	Security				11.					

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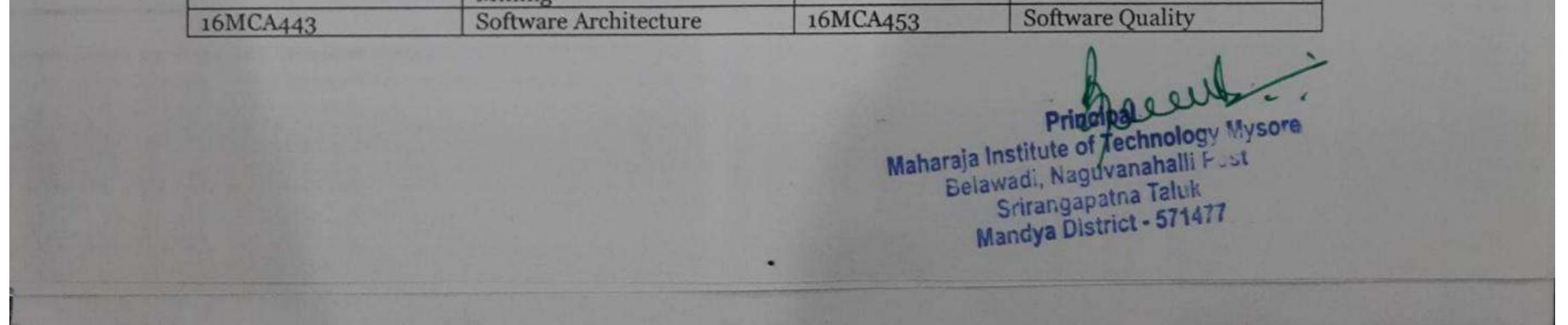


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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM CHOICE BASED CREDIT SYSTEM (CBCS) SCHEME OF TEACHING AND EXAMINATION 2016 - 17 Onwards

Master of Computer Applications (MCA)

IV Sem	nester						CRED	IT BAS	ED
1.0.		Teaching	hours/	week	Duratio	Ma	rks for	Total	
Subject Code	Name of the Subjec	t Lecture	1 50 000 M	tical / gnmen t	n of Exam in Hours	CIE	SEE	Mark	CREDIT S
16MCA4 1	Advanced Java Programming	4			3	20	80	100	4
16MCA4 2	Advanced Web Programming	4		-	3	20	80	100	4
16MCA4 3	Software Testing an Practices	d 4			3	20	80	100	4
16MCA4 4	Elective-2	3			3	20	80	100	3
16MCA4 5	Elective-3	3			3	20	80	100	3
16MCA4 6	Advanced Java Programming Laboratory		1	rs lab+ hr uction)	3	20	80	100	2
16MCA4 7	Advanced Web ProgrammingLabora ory	it	1	rs lab+ hr uction)	3	20	80	100	2
16MCA4 8	Software Testing Laboratory		1	rs lab+ hr uction)	3	20	80	100	2
16MCA4 9	Seminar			2		50	-	50	1
	Tot	al 18	1	11	24	21 0	640	850	25
Wysore	Elective -:	2 Consident				Elec	ctive-3		
16MCA44	Netwo			16MC.		ar	nd Mobil	ommuni e Techno	
16MCA44	Mining	and the second se	1 Data	16MC.			-	nalytics	
16MCA44	13 Softwa	re Architecture		16MC	A453	Sc	oftware (	Juality	



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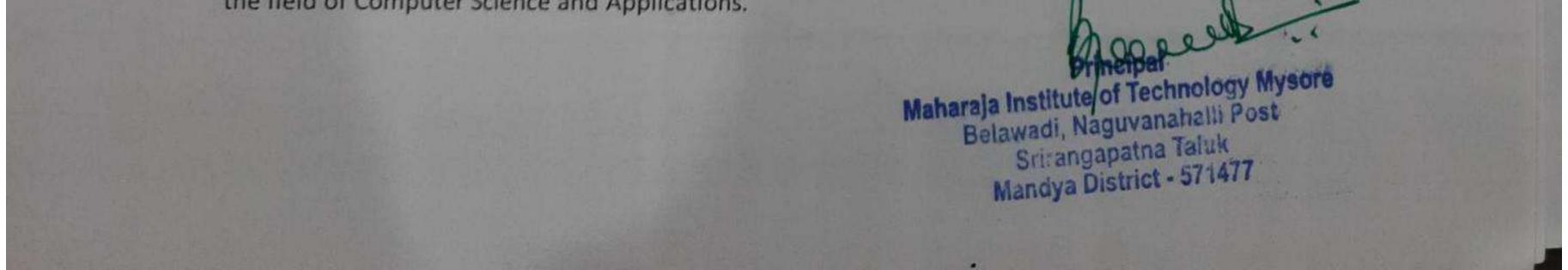
Master of Computer Applications (MCA)

16MCA444			Management
TOMCA444	Cryptography and Network security	16MCA454	Principles of User Interface Design

V Seme	ster			CRE	DIT B	ASED		
Subject	Name of the Subject		hours/week	Duratio	n	larks for	Total	CREDIT
Code	wante of the Subject	Lecture	Practical / Assignment	of Exam in Hours		SEE	Marks	CREDITS
16MCA51	Object-Oriented Modeling and Design Patterns	4 A		3	20	80	100	4
16MCA52	Programming Using C# & .NET	4		3	20	80	100	4
16MCA53	Mobile Applications	4		3	20	80	100	4
16MCA54	Elective-4	3		3	20	80	100	3
16MCA55	Elective-5	3		3	20	80	100	3
16MCA56 Software Design Laboratory			3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
16MCA57	.Net Laboratory		3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
16MCA58	Mini Project : Mobile Applications Development using Android/iOS/Windows etc.		4(2 hrs lab+ 1 hr instruction+ 1 hr contact)	3	20	80	100	3
16MCA59	Seminar	-	2		50		50	1
	Total	18	12	24	210	640	850	26
	Elective-4		1		Elec	tive-5		42.4
6MCA541	Web2.0 and Rich Internet	Applications	16MCA	1551 Soft	ware D	efined	Network	S
6MCA542	16MCA	552 Inte	rnet of	Things	s(IoT)			
MCA543	Artificial Intelligence	16MCA	553 Serv	vice Ori	ented A	Architect	ure	
MCA544	Storage Area Networks	16MCA	And the second s	ware P lageme	and the second second			

### 16MCA49 and 16MCA59: Seminar

Students should present the seminar on cutting edge/emerging/state of the art technologies in . the field of Computer Science and Applications.



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- Duration of the seminar should be approximately 45 minutes.
- Student should submit the write up on seminar topic containing at least 10 pages. ۰

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM CHOICE BASED CREDIT SYSTEM (CBCS) SCHEME OF TEACHING AND EXAMINATION 2016 – 17 Onwards Master of Computer Applications (MCA)

<b>VI</b> Semest	er				CRED	DIT BAS	SED
C 1 .			Evaluatio	n			
Subject	Name of the	Inter	nal	External			C
Code	Subject Present	Presentation	Report Evaluation	Dissertation Evaluation	Viva	Total	Credits
16MCA61	Internship	50	50		-	100	02
16MCA62	Project Work	75	5	125	100	300	20
1	fotal	17	5	125	100	400	22

### Grand Total (I to VI Semesters): 4500 Marks : 150 Credits

### <u>Guidelines:</u> 16MCA61: Internship

- The students shall undergo internship for 6 weeks during the vacation immediately after the 5<sup>th</sup> semester examination.
- The internship shall be carried out in industry/R&D labs or institutions.
- Internship should be presented along with the report by the end of 6 weeks and shall be evaluated by the internal panel for 50 marks each.

### 16MCA62: Project Work

### Synopsis

- Synopsis of the project must be submitted before the end of the first month of 6th semester
- The synopsis of the project must include:
  - a) Problem formulation and literature survey.
  - b) Details of the required tools and technologies for the development of project.
  - c) Write up shall not exceed 15 pages.
- Internal assessment for synopsis presentation and evaluation of the synopsis by the internal examiner/guide is for 20 marks.

### Dissertation

- The project shall be carried out in the same institution or in industry/R&D labs based on software tools and technologies learnt in MCA course/internship for minimum period of 16 weeks.
- Internal assessment shall be evaluated by the internal panel/guide for 55 marks.
  - a) For continuous evaluation of project work by the internal examiner/guide with progress reports is for 10 marks each. (3 progress reports x 10 marks= 30)
  - b) Final presentation for the entire project is evaluated for 25 marks.
- The internal examiners (Project Guide with at least 2 years experience) and the external examiners shall be appointed by the University for the final evaluation of the project.
- Internal and external examiners shall carry out the evaluation of Dissertation report for 125
  marks individually. The average of the marks allotted by the internal and external examiners shall
  be the final marks for the project Dissertation report evaluation.
- The project presentation and Viva-voce shall be evaluated jointly by both the internal and external examiners for 100 marks.
- The student should be encouraged to present/publish the part/outcome of the project as an article in the conferences/journals.





### . VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Under Outcome Based Education (OBE) AndChoice Based Credit System (CBCS) Scheme Scheme of Teaching and Examination – 2018-19 Master of Computer Applications

### I SEMESTER

		1	1	Tra	hing Hours /	Week		Exami	nation	1	
SL No	Course Code	Title	Teaching Department	Theory (L)	Tutorial (T)	Practical (P)	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	18MCA11	Object Oriented Programming with C++	MCA	03			03	60	40	100	03
2	I8MCA12	Unix and Shell Programming	MCA	03			03	60	40	100	03
3	I8MCA13	Web Technologies	MCA	03		-	03	60	40	100	03
4	18MCA14	Software Engineering	MCA	03	-)	-	03	60	40	100	03
5	18MCA15	Computer Organization	MCA	03		110 200	0.3	60	40	100	03
6	18MCA16	C++ Programming Lab	MCA	-	01	03	03	60	40	100	02
7	18MCA17	Unix and Shell Programming Lab	MCA	11-11	01	03	03	60	40	100	02
8	18MCA18	Web Technologies Lab	MCA	-	01	03	03	60	40	100	02
1	TOTAL				Practic	al: 09 hours ruction: 03h	ours	480	320	800	21

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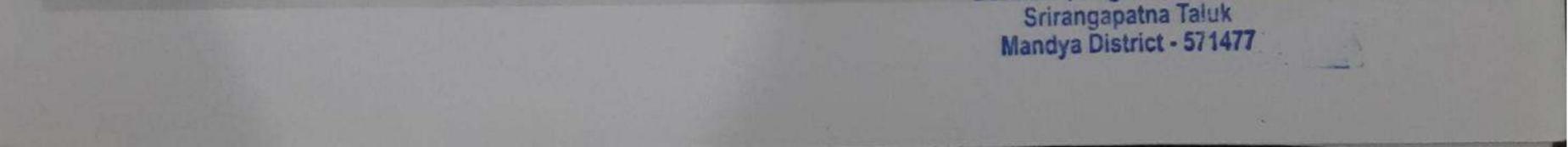
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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Under Outcome Based Education (OBE) AndChoice Based Credit System (CBCS) Scheme Scheme of Teaching and Examination – 2018-19 Master of Computer Applications

-				Teac	hing Hours	Week		Exami	nation	and the second second	4
SL No	Course Code	Title	Teaching Department	Theory (L)	Tutorial (T)	Practical (P)	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	18MCA21	Programming using Java	MCA	03			03	60	40	100	03
2	18MCA22	Data Structures using C++	MCA	03	-	-	03	60	40	100	03
3	18MCA23	Discrete Mathematical Structures and Statistics	MCA/ Mathematics	03	-		03	60	40	100	03
4	18MCA24	Computer Networks	MCA	03	-		03	60	40	100	03
5	18MCA25	Operating Systems	MCA	03	-	-	03	60	40	100	03
6	18MCA26	Java Programming Lab	MCA	•	01	03	03	60	40	100	02
7	18MCA27	Data Structures Lab	MCA	-	01	03	03	60	40	100	02
8	18MCA28	Computer Networks Lab	MCA	-	01	03	03	60	40	100	02
9	18MCA29	Mini Project	MCA	-	02	02	03	60	40	100	02
	TOTAL				Practic	r: 15hours al: 11 hours truction: 05 h	ours	540	360	900	23

### **H SEMESTER**

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk



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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Under Outcome Based Education (OBE) AndChoice Based Credit System (CBCS) Scheme Scheme of Teaching and Examination – 2018-19 Master of Computer Applications

### III SEMESTER

SI.	Course Code	1000	Teaching	Teac	hing Hours	Week	Examination				T
No		Title	Department	Theory (L)	Tutorial (T)	Practical (P)	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	18MCA31	Database Management System	MCA	03	-		03	60	40	100	03
2	TEMICA32	Programming using Python	MCA	0.3			03	60	40		-
3	18MCA33	Design and Analysis of Algorithms	MCA	03			03	60	40	100	03
4	IBMCA34	System Software	MCA	03			03	60	40	100	
3	IBMCA35X	Elective 1	MCA	03			03	60	40		03
6	TEMCA36	DBMS Lab	MCA	1121	01	03	03	60	40	100	03
7	IEMCA37	Python Programming Lab	MCA		01	03	03	60	40	100	02
8	IBMCA38	Algorithms Lab	MCA	4	01	03	03	60	40	100	02
		TOTAL		1	Theory: Practica	15hours 1: 09 hours uction: 03hou		480	320	100 800	02

	Elective I
18MCA351	Software Testing
18MCA352	Optimization Techniques
18MCA353	Advance Computer Networks
18MCA354	Management Information Systems

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Under Outcome Based Education (OBE) AndChoice Based Credit System (CBCS) Scheme Scheme of Teaching and Examination – 2018-19 Master of Computer Applications

SI.			Teaching	Tea	hing Hours	Week		Exami	nation		1
No	Course Code	Title	Department	Theory (L)	Tutorial (T)	Practical (P)	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	I8MCA4J	Advanced Java Programming	MCA	03		-	03	60	40	100	03
2	I&MCA42	Advanced Web Programming	MCA	03		-	03	60	40	100	03
3	18MCA43	Object Oriented Modeling and Design	MCA	03			03	60	40	100	03
4	18MCA44X	Elective II	MCA	03			03	60	40	100	03
5	18MCA45X	Elective III	MCA	03			03	60	40	100	03
6	18MCA46	Professional Communication & Report Writing	МСА	02			03	60	40	100	02
7	18MCA47	Advanced Java Programming Lab	мса	-	01	03	03	60	40	100	02
8	18MCA48	Advanced Web Programming Lab	МСА		01	0.3	03	60	40	100	02
9	18MCA49	Object Oriented Modeling and Design Lab	MCA		01	03	03	60	40	100	02
Ree	AL ALANA	TOTAL		Т		17hours 1: 09 hours uction: 03ho	urs	540	360	900	23

### **IV SEMESTER**

	Elective II	and the second	Elective III
18MCA441	Wireless Communication and Mobile Technologies	18MCA451	Enterprise Resource Planning (ERP)
and the second sec	Cyber Security		Data Warehousing and Data Mining
	Computer Graphics	18MCA453	Advanced Database Management Systems
A REAL CONTRACTOR OF THE REAL	Cloud Computing	18MCA454	Big Data Analytics

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Under Outcome Based Education (OBE) AndChoice Based Credit System (CBCS) Scheme · Scheme of Teaching and Examination – 2018-19 Master of Computer Applications

### **V SEMESTER**

SL	0	A THE REAL PROPERTY OF	+ +	Tea	ching Hours	Week		Exami	nation	Total	
No	Course Code	Title	Teaching Department	Theory (L)	Tutorial (T)	Practical (P)	Duration in hours	SEE Marks	CIE Marks	Total Marks	Credits
1	18MCA51	Programming using C#.nct	MCA	03		-	03	60	40	100	03
2	18MCA52	Mobile Applications	MCA	03		- 10	03	60	40	100	03
3	18MCA53	Machine Learning	MCA	03			03	60	40	100	03
4	18MCA54X	Elective IV	MCA	03			03	60	40	100	03
5	18MCA55X	Elective V	MCA	03		-	03	60	40	100	03
6	18MCA56	C#.net Lab	MCA		01	03	03	60	40	100	02
7	18MCA57	Mobile Applications Lab	MCA		01	03	03	60	40	100	02
8	18MCA58	Mini Project	MCA		02	04	03	60	40	100	03
	TOTAL					15hours 1: 10 hours uction: 04 ho	urs	480	320	800	22

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	Elective IV	Elective V				
18MCA541 Multimedia Systems		18MCA551	System Simulation and Modeling			
18MCA542	Internet of Things (IoT)	18MCA552	Principles of User Interface Design			
18MCA543	Image Processing	18MCA553	Software Architecture			
18MCA544	Parallel Computing	18MCA554	Storage Area Networks			

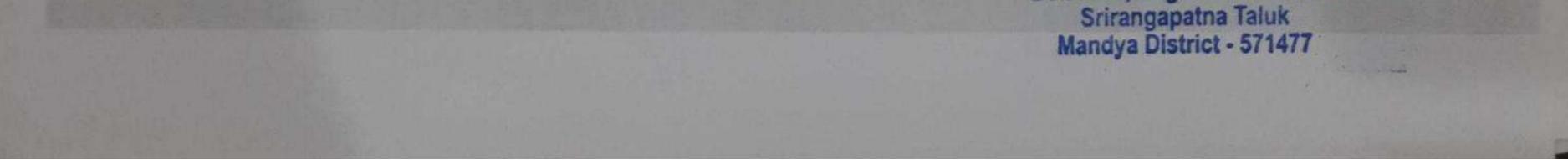
### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Under Outcome Based Education (OBE) AndChoice Based Credit System (CBCS) Scheme Scheme of Teaching and Examination – 2018-19 Master of Computer Applications

### **VI SEMESTER**

~			Traching	Tea	ching Hours /	Week		Exami	nation		Credits
SL No	Course Code	Title	Teaching Department	Theory	Practical	Tutorial	Duration in hours	SEE Marks	CIE Marks	Total Marks	
1	18MCA61	Internship	MCA	- 1	1.33		-	-	100	100	4
2	18MCA62	Seminar	MCA	-	-	1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -	-	-	100	100	2
3	18MCA63	Major Project	MCA				03	60	40	100	16
		1	FOTAL	- 112 .				60	240	300	22

Andered

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk



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evaluation such as weekly Multiple Choice Questions (MCQ) quiz, higher order cognitive level questions as assignment, and case study questions/ assessment carried out during the teaching learning processes. Theory courses internal assessment (CIE) shall be based on Note: PCC- Professional Core Course; PCE- Professional Elective Course Each Course (PCC/PCE) shall have case study discussion and may be considered as a part of assignment. \*Only for non-computer science students Course coordinator may select suitable assessment techniques/tools for continues internal test (50% weightage), 50% weightage may be given to other continues

	9	8	7	6	s	4	ω.	2	1	S.No	JE
	BC	PCC	PCC	PCC	PCC	PCC	PCC	PCC	PCC	Course Type	OLIVER LEN
	20MCA19-BC*	20MCA18	20MCA17	20MCA16	20MCA15	20MCA14	20MCA13	20MCA12	20MCA11	Course Code	
Total	Basics of Programming & CO	Computer Networks Lab	Unix Programming Lab	Data Structures with Algorithms Lab	Research Methodology & IPR	Mathematical Foundation for Computer Applications	Computer Networks	Operating System with Unix	Data Structures with Algorithms	Title	
17	02				02 .	03	04	04	04	L	Teachin
12		04	04	04		•				P	Teaching Hours/ Week
06	02				02	02		•		T/S DA	Week
27	03	03	03	03	03	03	03	03	03	Duration in hours	
540	60	60	60	60	60	60	60	60	60	SEE Marks	Examination
360	40	40	40	40	40	40	40	40	40	CIE Marks	ition
000	100	100	100	100	100	100	100	100	100	Total Marks	
24		02	02	02	02	04	04	04 .	04	Credits	

Master of

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Scheme of Teaching and Examination

# **Computer Applications**

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Skill development activities (SDA): students may be asked to solve novel problems in their projects work. any other assignment useful for learning with a minimum cognitive level at the application level. Average marks of three internal tests have to be Laboratory courses internal assessment shall be based on internal test (50% weightage), remaining 50% weightage shall be given to continues versions of the laboratory program/problem, and demonstrate higher order cognitive level such as analysis and design programming assignment. evaluation of practical execution during regular laboratory hours. During regular laboratory hours students may be asked to solve the extended considered for CIE along with other continues evaluations. During the laboratory hours after the program execution, technical quiz may be conducted. Wherever laboratory is also having project work

Students and course instructor/s to involve either individually or in groups to interact together to enhance the learning and application skills. the form of research/ testing / projects, and for creative and innovative methods to solve the identified problem. The students shall The students should interact with industry (small, medium and large), understand their problems or foresee what can be undertaken for study in

- D Gain confidence in modelling of systems and algorithms.
- 2)
- 3 Handle advanced instruments to enhance technical talent.
- 4 Involve in case studies and field visits/ field work.
- 5 Accustom with the use of standards/codes etc., to narrow the gap between academia and industry.

fiscal expertise, etc.

addressed, and cooperative learning technique employed, solution to the problem. Course coordinator shall maintain document in specific format for tutorial / SDA. Tutorial sessions may be conducted using cooperative Learning techniques. Tutorial sheets maintained should indicate date, problem (statement) Tutorial:

study materials to fast/slow learners. conduct remedial/ tutorial classes. It is recommended to make changes in delivery methods wherever required and give appropriate assignments/ In order to promote reinforcement of TLP, course coordinator to analyze the performance of the student after the execution of particular test and

Note:

5 Four credit courses are designed for 50 hours of teaching and learning process

Work on different software/s (tools) to Simulate, analyse and authenticate the output to interpret and conclude. Operate the simulated system under changed parameter conditions to study the system with respect to thermal study, transient and steady state operations, etc.

All activities should enhance student's abilities to employment and/or self-employment opportunities, management skills, Statistical analysis,

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S 2) Two credit courses are designed for 30hours Teaching - Learning process. Three credit courses are designed for 40hours Teaching -

Research/Technical Seminar:

shall be based on the evaluation of Seminar Report, Presentation skills and performance in Question and Answer session in the ratio 50:25:25. As a part of the course Research Methodology & IPR, presenting the seminar is mandatory. The CIE marks awarded for Resaerch/Technical Seminar Seminar is to be considered for 20 marks. Remaining 20 marks is for internal tests. Students shall do the literature survey of existing work on contemporary topics and present. Student shall highlight on the research gap and propose solution. Seminar presentation and report have to be evaluated using rubrics. Bridge course: 20MCA19-BC

background. Students have to secure eligibility by scoring 50% marks in aggregate (CIE and SEE). 20MCA19-BC: Bridge course is a non-credit course introduced to the students who admits into MCA program from non-computer science

Learning process.

Maharaja Institute of Technology Mysora Belawadi, Naguvanahalli Post Mandya District - 571477 Srirangapatna Taluk -

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20MCA251 Cybersecurity
20MCA254 User Interface Design
20MCA255 Ontimization Techniques

		-	_					_			1.1	-
	9	8	7	6	5	4	3	2	1	S.No.		- SEN
	PCC	PCC	PCC	PEC	PEC	PCC	PCC	PCC	PCC	Cours Type		SEMESTER-II
	20MCA29	20MCA28	20MCA27	20MCA26X	20MCA25X	20MCA24	20MCA23	20MCA22	20MCA21	Cours Code		
Total	Web Technologies Lab with Mini-project	Java Programming Lab.	DBMS Lab	Elective-2	Elective-1	Software Engineering	Web Technologies	Object Oriented Programming with Java	Database Management System	Title		Master of Computer Applications Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS) Scheme
19			•	03	03	03	04	03	03	L	Teaching	Applic: Based Cred
12	04	04	04	•						р	ing Hours	it System
02	•		•	•		02			•	T/SDA	Hours/Week	(CBCS)
27	03	03	03	03	03	03	03	03	03	Durati on in hours		Scheme
540	60	. 60	60	60	60	60	60	60	60	SEE Marks	Exami	
360	40	40	40	40	40	40	40	40	40	CIE Marks	Examination	
900	100	100	100	100	100	100	100	100	100	Total Marks		
26	02	02	02	03	03	04	04	03	03	Credi	ts	

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY Scheme of Teaching and Examination

	NOSQL	345	20MCA345
Testing	Software Testing	344	20MCA344
irketing	Digital Marketing	343	20MCA343
nputing	Cloud Computing	342	20MCA342
Block chain Technology	Block cha	341	20MCA341
Elective-III			-
Total			
Advances in Java Lab	20MCA38	PCC	8 P
IoT Lab with Mini Proje	20MCA37	PCC	7 P
Data Analytics Lab with Mini-	20MCA36	PCC :	6 P
Elective-III	20MCA35X	PEC 2	5 P
Elective-II	20MCA34X	PEC 2	4 PI
Advances in Java	20MCA33	PCC 2	3 P(
loT	20MCA32	PCC 2	2 P(
Data Analytics using Pyth	20MCA31	1 1 1 1	L PCC
Title	Course Code	Course Type	S.No

**Under Outcome Based Education** Master of VISVESVARAYA TECHNOLOGICAL UNIVERSITY Scheme of Teaching and Examination -project ct non **Computer Applications** (OBE) and Choice Based Credit System (CBCS) Scheme Teaching Hours/Week 20MCA352 20MCA351 20MCA353 20MCA354 20MCA355 F 04 04 04 03 03 18 10 x . P 04 04 . 04 12 1 . Deep Learning **Big data Analytics** Wireless Ad Hoc Networks Software Project Management Software Defined Networks T/SDA 02.03.2021 updated . . 1 1 1 1 Duratio Elective-IV 03 03 03 n in 03 03 03 03 24 03 hours Examination 60 SEE 60 60 60 60 480 60 60 60 Marks 40 CIE 40 40 40 40 320 40 40 40 Marks 100 100 Total 100 100 100 100 100 800 100 Marks 04 04 7/104 04 Credits 03 03 02 02 02 24 -

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SEMESTER-III



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-	4 PCC	3 PCC	2 PCC	- 1 PCC	S.No Course Type	OLIVEO A DIA A
-					course rype	
	20MCA44	20MCA43	20MCA42	20MCA41	Course Code	
Total	Project work Phase 2 (During 4 <sup>th</sup> Semester- min. of 4 Months)	Industry Internship ( 4 weeks in vacation of 3 <sup>rd</sup> sem.)	Programming using C#	Advances in Web Technologies	Title	
4		•	02	02	Lecture(L)	Teach
4			02	02	Tutorial(T)	Teaching Hours/Week
02	02				Practical(P)\Sem inar	Week
60	03	•	03	3	Duration in hours	
180	60		60	60	SEE Marks	Exam
220	40	100	40	40	CIE Marks	Examination
400	100	100	100	100	Total Marks	
26	20	02	02	02	Credits	

However, student can carry out 4th semester project without completing the internship. course and have to complete the same during the subsequent semester. After satisfying the internship requirements the degree will be awarded. All the students have to undergo mandatory internship of 4 weeks during the vacation of III semester. Internship shall be considered as a head Project: passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in internship 10

present the work carried out before the examiners during the University examination. The work out carried out should be free from plagiarism. The The candidate should carry out the project in any industry or R&D institution or educational institution under a guide/co-guide. The candidate has to

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY Scheme of Teaching and Examination

# Master of Computer Applications

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literature study may be clearly written which may be summary of existing project and highlight of what are the functionalities that are proposed to art search as part of literature survey before submitting the synopsis for the projects. this project. Student shall indicate the different research papers, documents refereed as a part of the literature study. It is recommended to do prior This is an individual project for a duration of minimum of 4 months or duration of the semester. Rubrics have to be used for evaluation of projects which makes the evaluation transparent and valid. Paper publication in an indexed journal/conference is compulsory as part of the project work. Project work evaluation

There shall be three project presentations each to be considered for 5 marks (5X3= 15 marks) and a final presentation for 15 marks. Presentation may be given using Power point presentation/demonstrations of the work. Synopsis submitted in a proper format is to be evaluated for 10 marks. Student has to publish a research paper in indexed journal organization/contents can be similar to project report contents of 2018 scheme/syllabus. / conference. Publications follow the Thesis. 10% weightage is given in SEE. Project report

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### M.TECH-SP-2016-17 SCHEME OF TEACHING AND EXAMINATION

M.Tech in Signal Processing

### I SEMESTER

and the start		Teaching	hours/week		Marks	s for		
Subject Code	Title	Lecture	Practical / Field Work / Assignment/ Tutorials	Duration of Exam in Hours	I.A.	Exam	Total Marks	CREDITS
16ELD11	Advanced Engineering Mathematics	4		3	20	80	100	4
16ESP12	Statistical Signal Processing	4		3	20	80	100	4
16EVE13	Advanced Embedded Systems	4		3	20	80	100	4
16ESP14	Modern DSP	4		3	20	80	100	4
16EXX15X	Elective - 1	3		3	20	80	100	3
I6ESPL16	Signal Processing lab		3	3	20	80	100	2
6ESPL17	Seminar on advanced topics from refereed journals		3		100		100	1
	Total	19	6	18	220	480	700	22

Elective-1:

16ECS151	Advanced Computers Networks	16ESP153	Modern Spectral Analysis & Estimation
16ESP152	Multirate Systems and Filter Banks	16ECS154	Simulation, Modeling and Analysis

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### M.Tech in Signal Processing

### **II SEMESTER**

		Teaching h	ours/week		Marks	for	23		
Subject Code	Title	Lecture	Practical / Field Work / Assignment/ Tutorials	Duration of Exam in Hours	I.A.	Exam	Total Marks	CREDITS	
16ESP21	Image Processing and Machine Vision	4	-	3	20	80	100	4	
16ESP22	DSP System Design	4	-	3	20	80	100	4	
16ESP23	Digital Signal Compression	4		3	20	80	100	4	
16ESP24	Biomedical Signal Processing	4		3	20	80	100	4	
16EXX25X	Elective-2	3		3	20	80	100	3	
16ESPL26	Image Processing Lab		3	3	20	80	100	2	
16ESP27	Seminar on Advanced topics from refereed Journals		3		100		100	1	
	Total	19	6	18	220	480	700	22	

Elective - 2:

16ESP251	Detection & Estimation	16ESP253	Pattern Recognition	
16EVE252	VLSI Design for Signal Processing	16ESP254	Channel Coding	

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Principal Maharaja Institute of Technology Mysore Balawadi, Maguwanal ani Post Enrangepatra Tank Maccipa Deddet - 57 1417



### M.Tech in Signal Processing

### **III SEMESTER: Internship**

Subject		Teaching ho	ours/week	Duration of the	Marks f	ior	Total	
Code	Title	Lecture	Practical / Field Work	Exam in Hours	I.A.	Exam	Marks	CREDITS
16ESP31	Seminar / Presentation on Internship (After 8 weeks from the date of commencement)		-		25	-	25	
16ESP32	Report on Internship				25		25	
16ESP33	Evaluation and Viva-voce on Internship				-	50	50	20
16ESP34	Evaluation of Project Phase-I				50		50	1
	Total				100	50	150	21

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### M.Tech in Signal Processing

### **IV SEMESTER**

Subject Code	Subject	Teaching hours/week			Marks for			
		Lecture	Practical / Field Work / Assignment/ Tutorials	Duration of Exam in Hours	I.A.	Exam	Total Marks	CREDITS
16ESP41	Adaptive Signal processing	4		3	20	80	100	4
6EXX42X	Elective-3	3		3	20	80	100	3
16ESP43	Evaluation of Project Phase-II				50		50	3
16ESP44	Evaluation of Project Work and Viva- Voce					100+100	200	10
	Total	7		06	90	360	450	20

ctive-3:					
16ESP421	Array Signal Processing	16ECS423	Communication System Design using DSP Algorithm		
16ESP422	Speech and Audio processing	16ELD424	Reconfigurable Computing		

Note:

1. Project Phase-1: 6-week duration shall be carried out between 2nd and 3rd Semester vacation. Candidates in consultation with the guide shall carry out literature survey/ visit industries to finalize the topic of Project.

2. Project Phase-2: 16-week duration during 4th semester. Evaluation shall be done by the committee constituted comprising of HoD as Chairman, Guide and Senior faculty of the department.

3. Project Evaluation: Evaluation shall be taken up at the end of 4th semester. Project work evaluation and Viva-Voce examination shall be conducted

a. Internal Examiner shall carry out the evaluation for 100 marks.

b. External Examiner shall carry out the evaluation for 100 marks.

c. The average of marks allotted by the internal and external examiner shall be the final marks of the project evaluation.

d. Viva-Voce examination of Project work shall be conducted jointly by Internal and External examiner for 100 marks.

Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



191	EMESTE	R								
SL C		Course Course Code	Course Title	Teaching Hours /Week		Examination				
	Course			Theory	Practical/ Field work/ Assignment	Duration in bours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	18ELD11	Advanced Engineering Mathematics	04	-	03	40	60	100	4
2	PCC	18ECS12	Advanced Digital Signal Processing	04		03	40	60	100	4
3	PCC	18EVE13	Advanced Embedded Systems	04		03	40	60	100	4
4	PCC	18ESP14	Multirate Systems and Filter Banks	04		03	40	60	100	4
5	PEC	18ESP15	Digital Compression	04		03	40	60	100	4
6	PCC	18ESPL16	Advanced Digital Signal Processing Lab	-	04	03	40	60	100	2
7	PCC	18RMI17	Research Methodology and IPR	02		03	40	60	100	2
		and the second second	TOTAL	22	04	21	280	420	700	24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

Note: PCC: Professional core, PEC: Professional Elective.

Internship: All the students shall have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination will be conducted during III semester and prescribed credit shall be included in the III semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as failed and have to complete during subsequent University examination after satisfying the internship requirements.

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		VISVE	SVARAYA TECHNO Scheme of Teachin M.Tech in S Choice Based	ng and E Signal Pr	xaminati ocessing	ion – 2013 (ESP)		AGAV	'n		
п	SEMESTE	R	12 - Andrew Constanting								
		Carlo Carl			Teaching	Hours /Week	_	Exar	nination	T	
SL N O	Course	Course Co	de Course Title		Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	18ESP21	Image Processing and Machine Vision		04		03	40	60	100	4
2	PCC	18ESP22	DSP System Design		04		03	40	60	100	4
3	PCC	18ESP23	Biomedical Signal Pro	ocessing	04		03	40	60	100	4
4	PEC	18XXX24	the second s	FUILLISS COLOR DISC. MODULES	04		03	40	60	100	4
5	PEC	18XXX25	X Professional elective 2	2	04		03	40	60	100	4
6	PCC	18ESPL26		and the surface of th		04	03	40	60	100	2
7	PCC	18ESP27	Technical Seminar			02		100		100	2
			TOTAL		20	06	18	340	360	700	24
Not	te: PCC: Pro	ofessional core	, PEC: Professional Election	ive			Manaya				1 2-4
	P	rofessional	Elective 1			Professio		Charles and a		22	-
Co	ourse Code U 18xxx24x	and a second	Course Title	Call of	Code Und 3xxx25x		institut asserti, b	行行性人的	e Title	IV Myse	21.0
	18ECS24	1	Vireless Sensor Networks		ESP251	Cha	nnel Cod	ing	4	-	-
	18ELD24	Sector in the sector is the se	econfigurable Computing	10000	ESP252		istical Sig	- Auri	cessing		
	18ESP243	3 1	Detection and Estimation	18	ELD253	the Case and	o Electro			stems	-

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Note:

1.Technical Seminar: CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide in any and a senior faculty of the department. Participation in seminar by all postgraduate students of the same and other semesters of the programme shall be mandatory.

The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.

2. Internship: All the students shall have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination will be conducted during III semester and prescribed credit shall be included in the III semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as failed and have to complete during subsequent University examination after satisfying the internship requirements.

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Ш	SEMEST	ER		and the state of the state				<b>FR</b>					
						Teaching	Hours /W	Veek	Real Providence	Exam	ination	100-10-10	
SI. No	Course	Course	Code	Course Title		Theory	Practical/ Field work/	Assignment	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	18ESP	31	Adaptive Signal Process	sing	04			03	40	60	100	4
2	PEC	18XXX	(32X	Professional elective -3		04		2.14-1	03	40	60	100	4
3	PEC	18XXX	(33X	Professional elective -4	12710	04			03	40	60	100	4
4	Proj	18ESP.	34	Evaluation of Project ph	ase -1		02	2		100		100	2
5	INT	18ESP:	35	Internship		(Complete intervenin I and II se /or II and semesters	ng vacatio emesters a III	on of	03	40	60	100	6
				TAL		12	02		12	260	240	500	20
Not		rofession:			ve, Proj:	Project, I	NT: Inte	11					
		and the second	onal E	lective 3			Prof	essio	nal El	ective	4		
Co	urse Code 18xxx32	x		Course Title	Course Code Under : 18xxx33x			Course Title					
	18ESP32		Speed	ch and Audio Processing		18ESP331		V	LSI De	sign for	r Signal	Process	sing
5.	18ESP32	22	Ar	ray Signal Processing		18ESP332		Patte	rn Reco	gnitior	a & Ma	chine Le	arnir
	18ESP32	23		ommunication System gn using DSP Algorithm		18ECS333				J	оТ		
CIE awa sess SEE 2. I Uni	roject Phas irements of s marks shall rded for proj ion in the rat (University nternship: T versity exam	be awarde ect work p io 50:25:25 examination hose, who inations aff	nts in c oject wo d by a c ohase -1 5. on) shall have n ter satisf	onsultation with the guide/consultation with the guide/construction on the student shall prepare committee comprising of HoE, shall be based on the evaluation of the based on the evaluation of the pursued /completed the infying the internship requirement ation) shall be as per the University pursued be as per the University pursue be a	e relevant D as Chair ation of H ns. ternship s ents.	introductory man, Guide Project Repo hall be decla	and a ser and rt, Projec	docum nior fa :t Pres	ent, and culty of entation	present the dep skill an	a semin artment. d Quest	ar. The CIE ion and A	E mar Answ

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IV	SEMES	TER	Choice Based Credi							
		Lang State		Teaching	Hours /Week	_	Exam	ination	1	
SL No	Course	Course Code	Course Title	Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks Viva voce	Total Marks	Credits
1	Proj	18ESP41	Project work phase -2	**	04	03	40	60	100	18
	11-1-1		TOTAL		04	03	40	60	100	18
Not	e: Proj: I	Project.								

SEE shall be at the end of IV semester. Project work evaluation and Viva-Voce examination (SEE), after satisfying the plagiarism check, shall be as per the University norms.

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Pro	gramm	e: M.TECH I	N SIGNAL PROCESSING (ESP)							
	Constant of the local division of the local		I SEMESTE	R						
SI. No	Course	Course Code	Course Title	Teaching	Hours /Week		Examin	ation		
NU				Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	20ELD11	Advanced Engineering Mathematics	04		03	40	60	100	4
2	PCC	20ECS12	Advanced Digital Signal Processing	04		03	40	60	100	4
3	PCC	20EVE13	Advanced Embedded System	04		03	40	60	100	4
4	PCC	20ESP14	Multirate Systems and Filter Banks	04		03	40	60	100	4
5	PCC	20ESP15	Digital Compression	04		03	40	60	100	4
6	PCC	20ESPL16	Advanced Digital Signal Processing Lab	-	04	03	40	60	100	2
7	PCC	20RMI17	Research Methodology and IPR	02		03	40	60	100	
10	FLL	2011117	TOTAL	22	04	21	280	420	700	

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semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed credit shall be counted for the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in internship course and have to complete the same during the subsequent University examination after satisfying the internship requirements.

Note: (i) Four credit courses are designed for 50 hours Teaching - Learning process.

(ii) Three credit courses are designed for 40 hours Teaching - Learning process.

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Pro	gramme	Choice Ba	sed Credit System (CBCS) and SIGNAL PROCESSING (ESP)	nd Outco	ome Based E	ducati	on(OB	<u>E)</u>	1000	
			II SEMES	TER	1919 Barriel	THE				-10
		A Republic Production		Teaching	g Hours /Week		Exam	ination		200
SI. No	Course	Course Code	Course Title	Theory	Practical/ Field work/ Assignment/ Project	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	20ESP21	Image Processing and Machine Vision	04		03	40	60	100	4
2	PCC	20ESP22	DSP System Design	04		03	40	60	100	4
.3	PCC	20ECS23	Error Control Coding	04		03	40	60	100	4
4	PEC	20XXX24X	Professional elective 1	04		03	40	60	100	4
5	PEC	20XXX25X	Professional elective 2	04		03	40	60	100	4
6	PCC	20ESPL26	Image Processing Lab		04	03	40	60	100	2
7	PCC	20ESP27	Technical Seminar		02		100		100	2
		T	OTAL	20	06	20	340	360	700	24

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Pro	fessional Elective 1	J	Professional Elective 2
Course Code under 20XXX24X	Course title	Course Code under 20XXX25X	Course title
20ECS241	Wireless Sensor Networks	20ESP251	Biomedical Signal Processing
20EVE242	Nanoelectronics	20ECS252	Statistical Signal Processing
20ECS243	Cryptography and Network Security (20EVE334)	20ELD253	Micro Electro Mechanical Systems
20ELD244	Reconfigurable Computing	20ESP254	Detection and Estimation

any, and a senior faculty of the department. Participation in the seminar by all postgraduate students of the same and other semesters of the programme shall be mandatory.

The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.

2. Internship: All the students shall have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed credit shall be counted in the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in internship course and have to complete the same during the subsequent University examination after satisfying the internship requirements.

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Srirangapatna Taiuk Mandva District - 574 177



roo	Commerci	Choice Based	RAYA TECHNOLOGICA heme of Teaching and Exa Credit System (CBCS) an	aminations -	- 2020 - 21					
102	gramme:	M.TECH IN S	IGNAL PROCESSING (ESP)		marks I			-	-	
T	Self State		III SEMES	TER Teaching Ho	urs /Week		Examin	ation		-
SI. No	Course	Course Code	Course Title	Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PCC	20ESP31	Adaptive Signal Processing	04		03	40	60	100	4
2	PEC	20XXX32X	Professional elective 3	03		03	40	60	100	3
3	PEC	20XXX33X	Professional elective 4	03		03	40	60	100	3
4	PROJ	20ESP34	Project Work phase -1		02		100		100	2
5	PROJ	20ESP35	Mini-Project		02		100		100	2
6	INT	20ESPI36	Internship		during the vacation of I sters and /or nesters.)	03	40	60	100	6
		T	OTAL	10	04	12	360	240	600	2

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	Professional elective 3		Professional elective 4
Course Code under 20XXX32X	Course title	Course Code under 20XXX33X	Course title
20ESP321	Array Signal Processing	20EVE331	VLSI Design for Signal Processing
20EIE322	Medical Imaging	20ESP332	Pattern Recognition & Machine Learning
20ELD323	Business Intelligence and its Applications	20ECS333	Internet of Things
20ESP324	Speech and Audio Processing	20ESP334	Communication System Design using DSP Algorithms

1. Project Work Phase-1: Students in consultation with the guide & co-guide if any, shall pursue literature

- survey and complete the preliminary requirements of selected Project work. Each student shall prepare relevant introductory project phase-I report, and make a project presentation.
- CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide if any, and a senior faculty of the department. The CIE marks awarded for project work phase -1, shall be based on the evaluation of Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.

SEE (University examination) shall be as per the University norms.

- 2. Mini-Project: Each student shall involve in carrying out the Mini-project work in constant consultation with internal guide, prepare the project report as per the norms avoiding plagiarism. A mini project is an assignment that you try to complete at the end of semester to strengthen the understanding of his/her fundamentals through effective application of theoretical concepts.
- 3. Internship: Those, who have not pursued /completed the internship shall be declared as fail in internship

Maharnia Institute of Tachnology Mysore

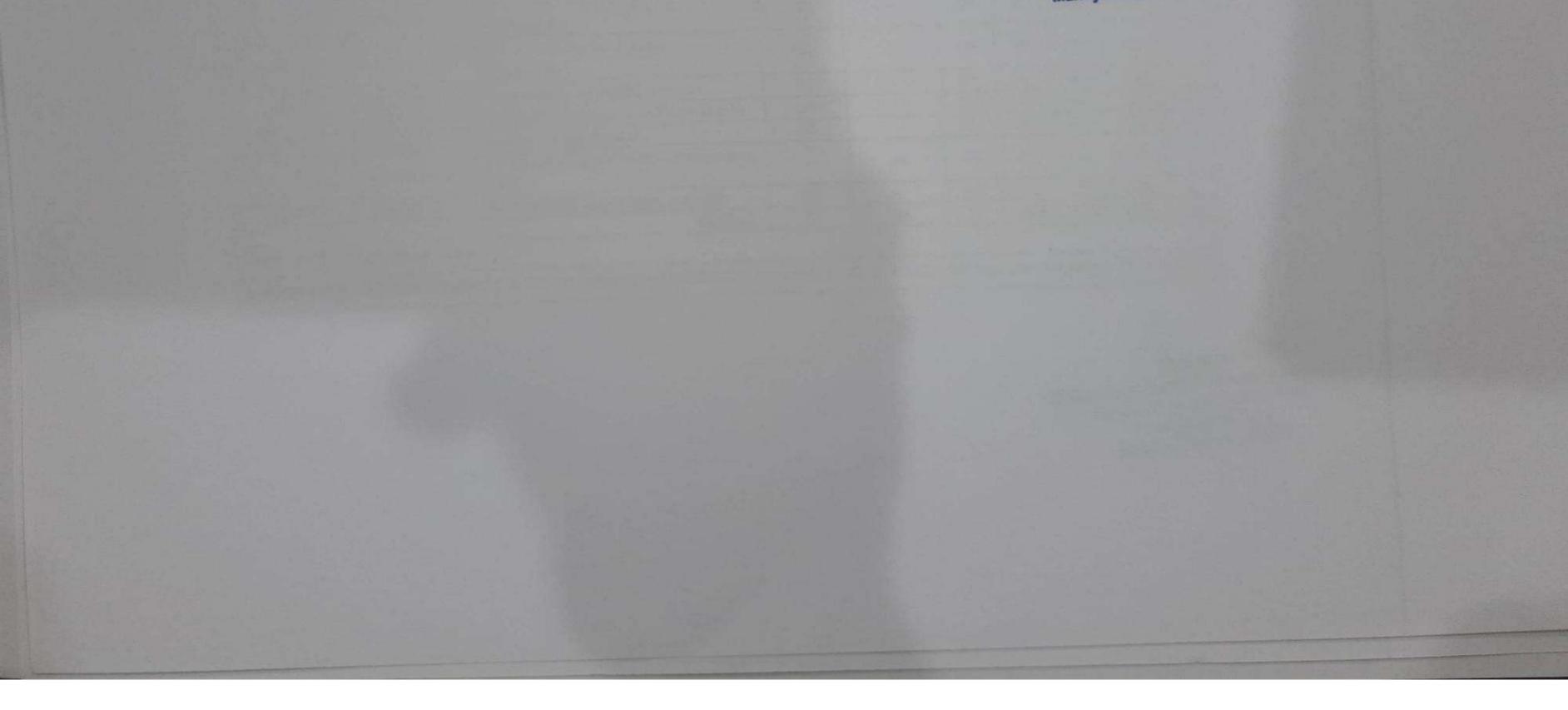
Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



course and have to complete the same during subsequent University examinations after satisfying the internship requirements. Internship SEE (University examination) shall be as per the University norms.

Decent.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477





### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

## SCHEME OF TEACHING AND EXAMINATION FOR M.TECH. in Thermal Engineering/Thermal Power Engineering

### CHOICE BASED CREDIT SYSYTEM (CBSC)

#### **I SEMESTER**

Const Michael		Teachin	g hours/week		Mar	ks for		A Carrier
Subject Code	Name of the Subject	Lecture	Practical / Field Work / Assignmen	Duration of Exam in Hours	I.A.	Exam	Total Marks	CREDITS
16MTP11	Applied Mathematics	4	-	3	20	80	100	4
16MTP12	Finite Element Method	4	-	3	20	80	100	4
16MTP13	Advanced Fluid Mechanics	4		3	20	80	100	4
16MTP14	Thermodynamics & Combustion Engineering	4		3	20	80	100	4
16MTP15X	Elective – I	4	-	3	20	80	100	4
16MTP16	Thermal Engineering measurement - Lab 1		3	3	20	80	100	2
16MTP/MTH 17	SEMINAR		•		100	1	100	1
	Total	20	3	18	220	480	700	23

#### Elective - I

16MTP 151	Non Conventional Energy System	14 MTP 153	Energy Conservation and Management
16MTP 152	Nuclear Energy Conversion	14MTP 154	Refrigeration and Air Conditioning
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aharaja Institute of Technology Myso Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

SCHEME OF TEACHING AND EXAMINATION FOR M.TECH. in Thermal Engineering/Thermal Power Engineering

CHOICE BASED CREDIT SYSYTEM (CBSC)

#### **II SEMESTER**

		Teachir	ig hours/week		Mai	rks for		
Subject Code	Name of the Subject	Lecture	Practical / Field Work /	Duration of Exam in Hours	I.A.	Exam	Tot al Mar	CREDIT S
16MTP21	Advanced Heat Transfer	4	-	3	20	80	100	4
16MTP22	Steam &Gas Turbines	4		3	20	80	100	4
16MTP23	Advanced Power Plant Cycles	4	-	3	20	80	100	4
16MTP24	Theory of 1C Engines	4	-	3	20	80	100	4
	Elective – II	4		3	20	80	100	4
16MTP25X 16MTP26	Simulation Laboratory Projects on		3	3	20	80	100	2
16MTP/M TH27	Thermal Engineering - Lab 2 SEMINAR		-		100		100	1
11127	**PROJECT WORK PHASE-I COMMENCEMENT(6 WEEKS DURATION)					-	-	
	Total	20	3	18	220	480	700	23

Elective - II

16MTP251	Thermal Power Station – 1	16MTP253	Modeling and Simulation of Thermal Systems
16MTP252	6MTP252 Alternate Fuels for 1C Engines	16MTP254	Computational Methods in Heat Transfer & Fluid flow
al Prost Ik	Maharaja Institute of Technol Belevedi, Naguvanahal Smargapatha Talu Mandya District - 571		Principal Maharaja Institute of Vertinal of Mysore. Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

SCHEME OF TEACHING AND EXAMINATION FOR M.TECH. in Thermal Engineering/Thermal Power Engineering

CHOICE BASED CREDIT SYSYTEM (CBSC)

#### **III SEMESTER**

100000000000000000000000000000000000000		Teachir	g hours/week	Exa	amination				
Subject Code	Title	Theory	Practical / Field Work / Assignment	Duration	I.A. Mark s	Theory / Practical Marks	Total Marks	CREDITS	
16MTP31	Seminar/ Presentation on Internship (After 8 weeks from the date of commencement)	•		-	25	-	25		
16 MTP32	Report on Internship		-	-	25	-	25		
16 MTP 33	Evaluation and Viva-Voce of Internship		-			50	50	20	
16 MTP34	Project Work Phase-1		-	-	50	-	50	1	
	Total		-	-	100	50	150	21	

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI SCHEME OF TEACHING AND EXAMINATION FOR M.TECH. in Thermal Engineering/Thermal Power Engineering **CHOICE BASED CREDIT SYSYTEM (CBSC)**

**VI SEMESTER** 

		Teachin	ng hours/week	1000	xaminati Duratior	177752.5		
Subject Code	Title	Theory	Practical / Field Work /	Duration in Hrs	I.A. Ma rks	Theory / Practical Marks	Total Marks	CREDITS
16MTP41	Design of heat Transfer Equipments for thermal power plant	4	2	3	20	80	100	4
	ELECTIVE-III	4	2	3	20	80	100	3
16 MTP 43	Evaluation of Project Work Phase-II				50		50	3
16 MTP 44	Evaluation of Project Work and Viva- Voce	-	•	3	-	100+100	200	10
	Total	-	4	9	90	360	450	20

#### **ELECTIVE-III**

с.

16MTP421	Convective Heat and Mass Transfer	16MTP423	Design & Analysis of Thermal Systems
16MTP422	Engine Flow & Combustion	16MTP424	Experimental Methods in Thermal Power Engineering

Note:

1. Project Phase-2: 16-week duration during 4<sup>th</sup> semester. Evaluation shall be done by the committee constituted comprising of HoD as Chairman, Guide and Senior faculty of the department.

2. Project Evaluation: Evaluation shall be taken up at the end of 4<sup>th</sup> semester. Project work evaluation and Viva-Voce examination shall conducted 3. Project evaluation:

- a. Internal Examiner shall carry out the evaluation for 100 marks.
- b. External Examiner shall carry out the evaluation for 100 marks.
- c . The average of marks allotted by the internal and external examiner shall be the final marks of the project evaluation.
  - Viva-Voce examination of Project work shall be conducted jointly by Internal and External examiner for 100 marks. Belawadi, Naguvanahalli Post

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Shirangapatna Taluk Mandya District - 571477



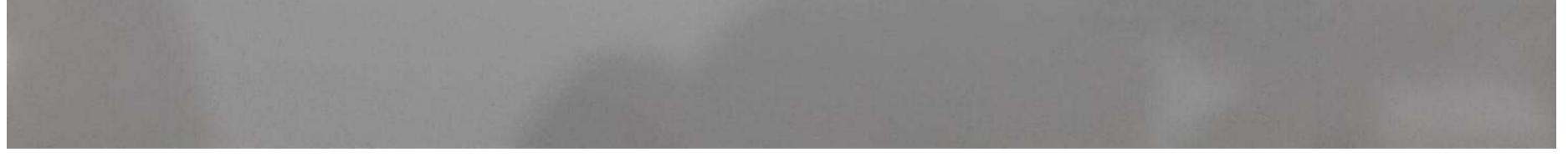
		M.Tech Outcome B	SVARAYA TECHNOLOGIC Scheme of Teaching and E in Thermal Engineering/The ased Education(OBE) and Che	xaminati rmal Pov	on – 2018-1 ver Enginee	9 ring (	MTP)		Post Post	101.0
ISE	CMESTE	R		1		1	Codia Ala			_
SI.	Cours				hing Hours /Week		Exam	ination		
N Cours o e	Course Code	Title	Theory	rıcıu work/ Assignme nt	Duration in hours	CIE Marks	Marks	Total Marks	Credits	
1	PCC	18MTP11	Mathematics	04		03	40	60	100	4
2	PCC	18MTP12	Finite Element Method	04		03	40	60	100	4
3	PCC	18MTP13	Advanced Fluid Mechanics	04		03	40	60	100	4
4	PCC	18MTP14	Thermodynamics &Combustion Engineering	04		03	40	60	100	4
5	PEC	18MTP15	Energy Conservation and Management	04		03	40	60	100	4

6	PCC	18MTPL16	Thermal Engineering measurement - Lab 1		04	03	40	60	100	2
7	PCC	18RMI17	Research Methodology and IPR	02		03	40	60	100	2
			TOTAL	22	04	21	280	420	700	24

Note: PCC: Professional core, PEC: Professional Elective.

Internship: All the students have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed credit shall be counted forthe same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as failed and have to complete during the subsequent University examination after satisfying the internship requirements.

Principal Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examination – 2018-19 M.Tech in Thermal Engineering/Thermal Power Engineering (MTP) Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

**II SEMESTER** Teaching Hours /Week Examination **Total Marks** Marks Credits 10. **CIE Marks** Practical/ Field work/ Assignment Title Duration hours Theory SI. Course Code Course SEE No 100 40 4 60 03 Advanced Heat Transfer 04 -18MTP21 PCC 100 4 60 40 03 04 Steam & Gas Turbines -18MTP22 PCC 2 100 60 4 40 03 04 Refrigeration and Air Conditioning 18MTP23 -3 PCC 100 60 4 40 03 04 Professional elective 1 -18MTP24X PEC 4 100 4 40 60 03 04 18MTP25X Professional elective 2 -5 PEC Simulation Laboratory Projects on 2 100 60 40 03 04 18MTPL26 PCC -6 Thermal Engineering - Lab 2 100 2 100 02 **Technical Seminar** 18MTP27 -PCC -7 24 700 360 340 18 06 20 TOTAL Note: PCC: Professional core, PEC: Professional Elective, OEC: Open Elective, Aud: Audit Course **Professional Elective 2 Professional Elective 1** Course title Course Code under **Course Code under** Course title **18MTP25X 18MTP24X** Theory of 1C Engines 18MTP251 Advanced Power Plant Cycles 18MTP241

The second	Attenuate rueis for re Elignics	Flow
A REAL PROPERTY		
Note:		
1. Technical S	eminar:CIE marks shall be awarded by a committee compri	sing of HoD as Chairman, Guide/co-guide, if any, and a senior faculty

18MTP252

18MTP253

Thermal Power Station - 1

Alternate Eucle for 1C Engine

18MTP242

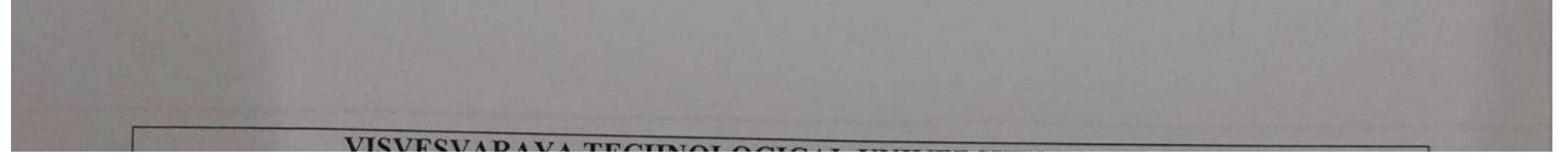
18MTP243

1. Technical Seminar: CIE marks shall be awarded by a committee comprising of nob as channing, ourder to galler, when no and other semesters of the programme shall be of the department. Participation in the seminar by all postgraduate students of the same and other semesters of the programme shall be mandatory.

The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.

2. Internship: All the students shall have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed credit shall be counted in the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as failed and have to complete during the subsequent University examination after satisfying the internship requirements.

Recent. Principal Maharaja Institute of Technology Mysore Belawadi, Nagua analli Post Srirang Iluk Mandy's Liound - 571477



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Modeling and Simulation of Thermal Systems

Computational Methods in Heat Transfer & Fluid

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examination – 2018-19 M.Tech in Thermal Engineering/Thermal Power Engineering (MTP) Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

<b>SI</b> .	Course	Course Code		Teachin	g Hours /Week		Exam	ination		
No	course	Course Code	Course Title	Theor Y	work / Assig nmen	ion in hours	Mark s	u	Mark	Credits
1	PCC	18MTP31	Design of heat Trans Equipments for thermal power	and the second		03	40	60	100	4
2	PEC	18MTP32X	Professional elective-3	04		03	40	60	100	4
3	PEC	18MTP33X	Professional elective- 4	04		03	40	60	100	4
4	Proj	18MTP34	Evaluation of Project phase -1		02		100		100	2
5	INT	18MTPI35	Internship	interveni	* //230	03	40	60	100	6
		тс	DTAL	12	02	12	260	240	500	20
Not	e: PCC: Profes	sional core, PEC:	Professional Elective.				1. 6-111	il man	Ologe 1	1080
		Professional	elective 3		Profess	sional e	elective	4	Contraction of the second	
				Course Code under 18XXX33X			Course	title		
18	SMTP321	Convective F	Heat and Mass Transfer	18MTP331	Experimen Engineerin		hods in	Therma	al Power	
18	SMTP322	Engine Flow	& Combustion	18MTP332	Biomass C	onversi	on and	Techno	logies	
10	MTP323	Design & An	alysis of Thermal Systems	18MTP333	CAD for th					

Note:

1. Project Phase-1: Students in consultation with the guide/co-guide if any, shall pursue literature survey and complete the preliminary requirements of selected Project work. Each student shall prepare relevant introductory project document, and present a seminar.

CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide if any, and a senior faculty of the department.

The CIE marks awarded for project work phase -1, shall be based on the evaluation of Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.

SEE (University examination) shall be as per the University norms.

2. Internship: Those, who have not pursued /completed the internship shall be declared as failed and have to complete during subsequent University examinations after satisfying the internship requirements.

Internship SEE (University examination) shall be as per the University norms.

**Anciba** Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post

Srirangapatna Taluk



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## VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examination - 2018-19 M.Tech in Thermal Engineering/Thermal Power Engineering (MTP) Outcome Based Education(OBE) and Choice Based Credit System (CBCS)

IV	SEMES	<u>LEK</u>		Teaching I	Iours /Week		Exar	nination		dits
SI. No	Course	Course Code	Title	Theo	Field work/ Assig nmen	Dura tion in	CIE CIE Mark	SEE Mark s Viva	Total Mark s	Cre
	-		Defect work phase 2		04	03	40	60	100	20
1	Proj	18MTP41	Project work phase -2 TOTAL		04	03	40	60	100	20

Note: PC: Proj: Project.

Note:

### 1. Project Phase-2:

CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide, if any, and a Senior faculty of the department. The CIE marks awarded for project work phase -2, shall be based on the evaluation of Project Report subjected to plagiarism check, Project Presentation skill and Question and Answer session in the ratio 50:25:25.

SEE shall be at the end of IV semester. Project work evaluation and Viva-Voce examination (SEE), after satisfying the plagiarism check, shall be as per the University norms.

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Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



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		Choice B	Thermal Engineering/Ther ased Credit System (CBCS) an	d Outo	come	Based Ed	ucatio	n(OBE	)		
SEI	MESTE	R		- ANDER	A Reput	Constants.			1 Mall		_
	and the set			Teaching Hours per Week			Examination				
SL No	Course	Course Code	Course Title	Theory	Practical	Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
	12			L	P	SDA	Du				
1	PCC	20MTP11	Applied Mathematics	03	**	02	03	40	60	100	
2	PCC	20MTP12	Finite Element Method in Heat Transfer	03		02	03	40	60	100	
3	PCC	20 MTP13	Advanced Fluid Mechanics	03		02	03	40	60	100	
4	PCC	20MTP14	Combustion Thermodynamics	03		02	03	40	60	100	
5	PCC	20 MTP15	Advanced Power Plant Cycles	03		02	03	40	60	100	
6	PCC	20 MTPL16	Thermal Engineering Measurement Laboratory		04		03	40	60	100	
7	PCC	20RMI17	Research Methodology and IPR	01		02	03	40	60	100	
			TOTAL	17	04	12	21	280	420	700	2

### Skill development activities:

Students and course instructor/s to involve either individually or in groups to interact together to enhance the learning and application skills.

The students should interact with industry (small, medium and large), understand their problems or foresee what can be undertaken for study in the form of research/ testing / projects, and for creative and innovative methods to solve the identified problem.

The students shall

(1) Gain confidence in modelling of systems and algorithms.

(2) Work on different software/s (tools) to Simulate, analyse and authenticate the output to interpret and conclude. Operate the simulated system under changed parameter conditions to study the system with respect to thermal study, transient and steady state operations, etc.

(3) Handle advanced instruments to enhance technical talent.

(4) Involve in case studies and field visits/ field work.

(5) Accustom with the use of standards/codes etc., to narrow the gap between academia and industry.

All activities should enhance student's abilities to employment and/or self-employment opportunities, management skills, Statistical analysis, fiscal expertise, etc.

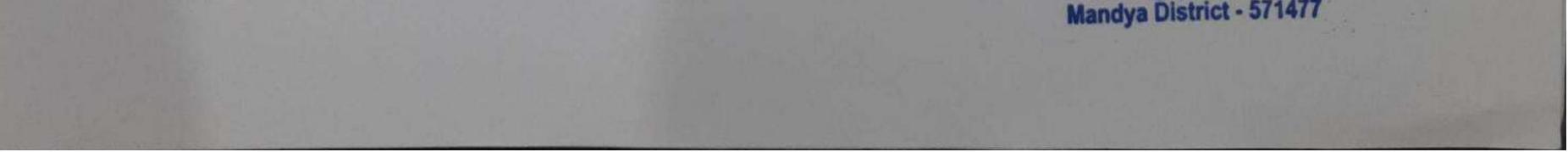
Internship: All the students have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed internship credit shall be counted for the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in internship course and have to complete the same during the subsequent University examination after satisfying the internship requirements.

Note: (i) Four credit courses are designed for 50 hours Teaching - Learning process.

(ii) Three credit courses are designed for 40 hours Teaching - Learning process.

(iii) Two credit courses are designed for 25 hours Teaching - Learning process.

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		C		SVARAYA TECHNOLOG Scheme of Teaching and in Thermal Engineering/T ed Credit System (CBCS)	Examina	E E	mainee	ring (MT	P)			
II SH	EMESTEI	R					-		And the second second	ination		-
			Ale al		Te	Teaching Hours /Week			Exam	T		
SI. No	Course		Course Code	Course Title	Theory	Practical/ Seminar	Skill Development	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
					L	Р	SDA	1			100	4
1	PCC	201	MTP21	Advanced Heat Transfer	03		02	03	40	60	100	
2	PCC	201	MTP22	Steam and Gas Turbines	03		02	03	40	60	100	4
3	PCC	201	ИТР23	Refrigeration and Air	03		02	03	40	60	100	4
4	PEC	201	ATP24X	Professional Elective- 1	04			03	40	60	100	4
5	PEC	201	ATP25X	Professional Elective- 2	04			03	40	60	100	4
6	PCC	-	MTPL26	Simulation Laboratory		04		03	40	60	100	2
7	PCC		ATP27	Technical Seminar		02			100		100	2
335			тот		17	06	06	18	340	360	700	24
Note:	PCC: Pr	ofessi	onal core,	PEC: Professional Elective	 e.							
			fessional			Maria	Prof	essional	Electiv	e 2		
	se Code r 20XXX2	24X	and the second	Course title	A SERVICE HARD	e Code 20XXX	(25X			rse titl		
	OMTP241		Energy ( Manager	Conservation and nent	20	MTP25	51	Solar Th applicati		Fechnol	ogies a	nd
2	0MTP242	2		Power Station	20	)MTP25	52	Modellin Thermal			ion of	
2	0 MTP243	3	Nuclear Generati	Engineering in Power on	20	)MTP25	53	Computa Transfer				at
2	0MTP244	1	Cryogen		20	MTP25	54	Jet Prop	ulsion a	and Roc	ketry	

1. Technical Seminar: CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide, if any, and a senior faculty of the department. Participation in the seminar by all postgraduate students of the programme shall be mandatory.

The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and performance in Question and Answer session in the ratio 50:25:25.

2. Internship: All the students shall have to undergo mandatory internship of 6 weeks during the vacation of I and II semesters and /or II and III semesters. A University examination shall be conducted during III semester and the prescribed internship credit shall be counted in the same semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in internship course and have to complete the same during the subsequent University examination after satisfying the internship requirements.

Maharala Institute of Technology Mysore Belawadi, Naguvanahalla Post



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		S M.Tech in	RAYA TECHNOLOGICA cheme of Teaching and Exa Thermal Engineering/Ther Credit System (CBCS) an	mination mail Po	ons – 202 wer Engi	0 - 21 neering (	мтр	)			
ISE	MESTER			-	hing Hour				ination		
SI. No	Course	Course Code	Course Title	Theory	Practical/ Mini-Project/ Internship	Skill Development activities	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
				L	Р	SDA			13.4.1		
1	PCC	20MTP31	Design of Heat Transfer Equipment for Therma Power Plant			02	03	40	60	100	4
2	PEC	20MTP32X	Professional elective -3	03			03	40	60	100	3
3	PEC	20MTP33X	Professional elective -4	03			03	40	60	100	3
4	Project	20MTP34	Project Work phase -1		02			100		100	2
5	PCC	20MTP35	Mini-Project		02			100		100	2
6	Internship		Internship	inter I and /or I	(Completed during the intervening vacation of I and II semesters and /or II and III		03	40	60	100	6
-	and the second	ТОТ	`AL	09	esters.) 04	02	12	360	240	600	2
No	te: PCC: Pro	ofessional core, Professional	PEC: Professional Elective. elective 3			Professio	nal e	lective	4		
Co	ourse Code	Shaugen ibev	Course title	Course	Code		56	Cour	se title	4.1	
un	der 20MTP321	Convectiv	e Heat and Mass Transfer	under 20N	ATP331			tal Met ineerin	hods in g	Therm	nal
-	20MTP322	Theory of	f IC Engines	201	ATP332	and the second s			Energy	Resou	irce
	20MTP323	Design ar	nd Analysis of Thermal	201	MTP333	Gas D	ynan	nics			
-	20MTP324		ange Phenomena in Fluids	201	MTP334	Therr	nal St	torage S	System		

1. Project Work Phase-1: Students in consultation with the guide/co-guide if any, shall pursue literature survey and complete the preliminary requirements of selected Project work. Each student shall prepare relevant introductory project document, and present a seminar.

CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide if any, and a senior faculty of the department. The CIE marks awarded for project work phase -1, shall be based on the evaluation of Project Report, Project Presentation skill and performance in Question and Answer session in the ratio 50:25:25.

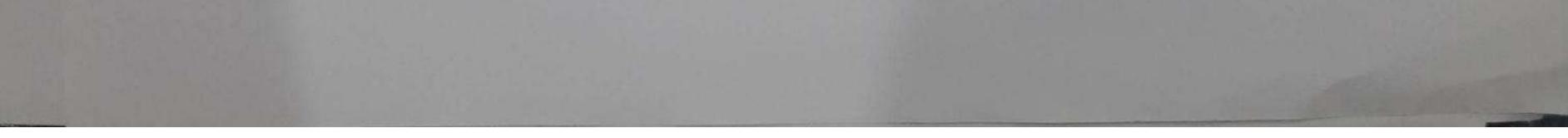
SEE (University examination) shall be as per the University norms.

2. Internship: Those, who have not pursued /completed the internship shall be declared as fail in internship course and have to complete the same during subsequent University examinations after satisfying the internship requirements. Internship SEE (University examination) shall be as per the University norms.

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Maharaja Institute of Technology Mysore Belawadi, Naguvanahalli Post Srirangapatna Taluk Mandya District - 571477



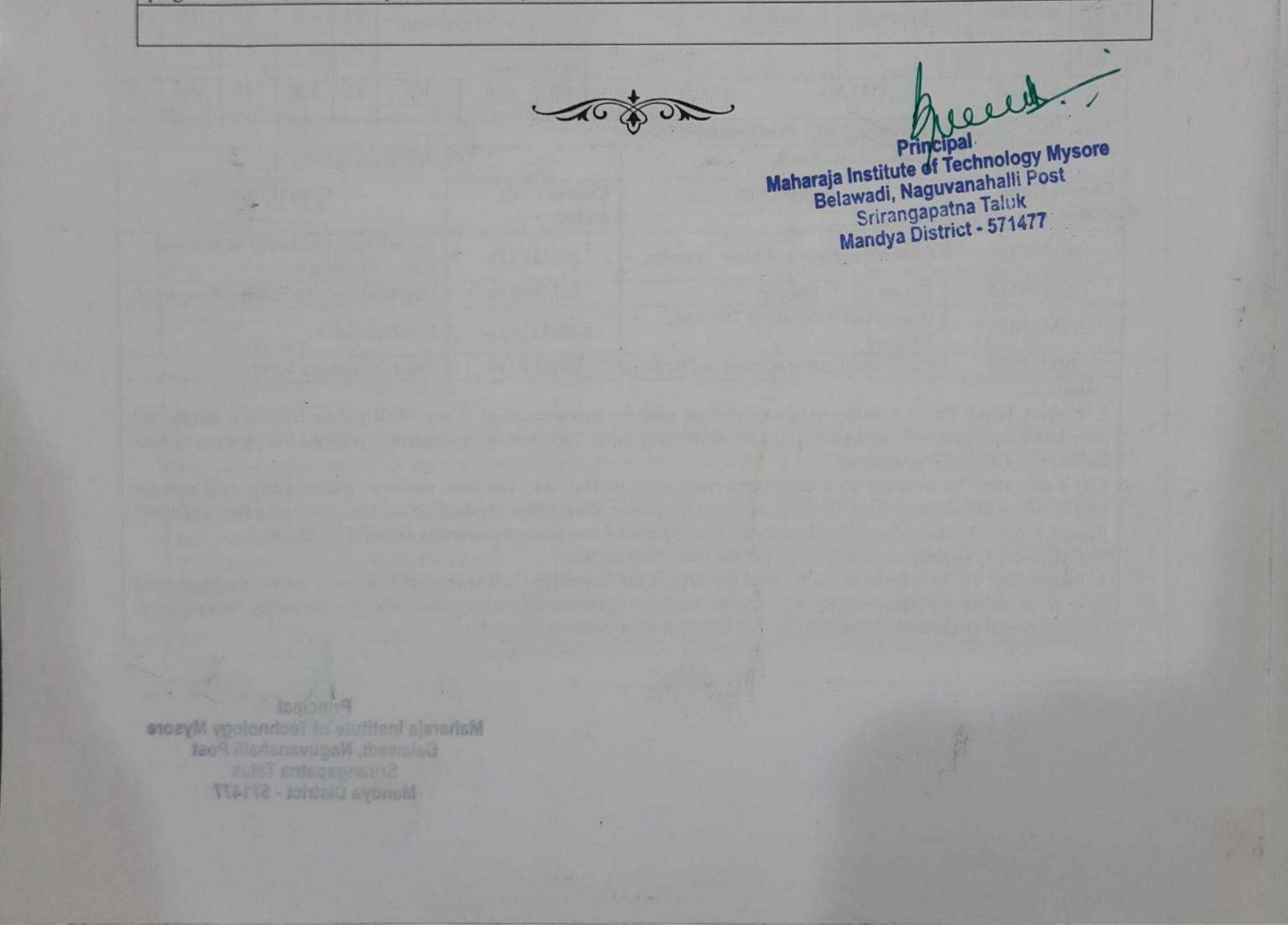
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		M	ESVARAYA TECHNOLOGIC Scheme of Teaching and E Fech in Thermal Engineering/Th ased Credit System (CBCS) a	ermal Po	ower Engine	ering (M	TP)	BE)		
IV SI	EMESTER	and the second se								
					ning Hours Week	Examination				
SI. No	Course	Course Code	Course Title	Theory	Practical/ Field work	Duration in hours	CIE Marks	SEE Marks Viva voce	Total Marks	Credits
	R. A. Sal			L	Р			SE		
1	Project	20MTP41	Project work phase -2		04	03	40	60	100	20
			TOTAL		04	03	40	60	100	20

1. Project Work Phase-2:

CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide, if any, and a Senior faculty of the department. The CIE marks awarded for project work phase -2, shall be based on the evaluation of Project Report subjected to plagiarism check, Project Presentation skill and performance in Question and Answer session in the ratio 50:25:25.

SEE shall be at the end of IV semester. Project work evaluation and Viva-Voce examination (SEE), after satisfying the plagiarism check, shall be as per the University norms.



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