



An Autonomous Institute affiliated to Visvesvaraya Technological University, Belagavi Belawadi, Srirangapatna Taluk, Mandya $-\,571\,\,477$

Approved by AICTE, New Delhi | Recognized by Govt. of Karnataka

Ref: MITM/CA/Scheme/2023-24/001

Scheme of Teaching and Examination for BE (Autonomous Scheme-2023) (Effective from the Academic Year 2023-24)

III-Semester- Computer Science & Engineering (Artificial Intelligence)

Sl.	Course			TD/	1	Teaching Ho	ours/Week			Examin	ation		
No.	Area	Course Code	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	BS	M23BBIOK301	Biology for Engineers	Basic Science	1	0	0	0	03	50	50	100	1
2	PC	M23BCS302	Logic Design and Computer Organization	CA/CS	3	0	0	0	03	50	50	100	3
3	IPC	M23BCS303	Operating System	CA/CS	3	0	2	0	03	50	50	100	4
4	PC	M23BCS304	Data Structures and Applications	CA/CS	2	2	0	0	03	50	50	100	3
5	PC	M23BCS305	Software Engineering	CA/CS	2	2	0	0	03	50	50	100	3
6	ES	M23BCS306X	Engineering Science Course (Choices listed in the table below).	CA/CS	3	0	0	0	03	50	50	100	3
7	PCL	M23BCSL307	Data Structures Lab	CA/CS	0	0	2	0	03	50	50	100	1
8	AE	M23BSCK308	Social Connect and Responsibility	Any Department	0	0	2	0	01	100	-	100	1
			Ability Enhancement Course-		If		is Theory		01				
	AE-III	M23BCS309X	III	Respective	1	0	0	0	01	50	50	100	1
9			(Choices listed in the table	Department			s Laboratory		02				
		M23BNSK310	below) National Service Scheme	NSS	0	0	2	0					
10	NCMC	M23BPEK310	(NSS) Physical Education (PE) (Sports and Athletics)	coordinator PE Director	0	0	2	0	-	100	-	100	0
		M23BYOK310	Yoga	Yoga Teacher									
11	BS	M23BDIPM311	Diploma Mathematics-I	Basic Science	2	0	0	0	00	50	00	50	0
									Total	600	400	1000	20/ 20





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Notes:

- 1. The total number of Credits for CSE, CV, ECE, and ME is 20 since they will be studying Mathematics III with 3 credits.
- 2. The total number of Credits for ISE, DS, BS, AI, AI&ML, IC, and CE is 22 since they will be studying Biology for Engineers with 1 credit.

PC: Professional Core Course, PCL: Professional Core Course laboratory, NCMC: Non-Credit Mandatory Course, AE: Ability Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. ES: Engineering Science Course, ETC: Emerging Technology Courses, PLC-Programming Language Course, K: This letter in the course code indicates common to all the stream of engineering

Engineerii	ng Science Course (ESC/ETC/PLC)[L-T-P::3-0-0]		Ability Enhancement Course – III
Code	Title	Code	Title
M23BCS306A	UNIX and Shell Programming	M23BCS309A	Data Visualization with Python.
M23BCS306B	OOPS with JAVA	M23BCS309B	PHP Programming
M23BCS306C	OOPS with C++	M23BCS309C	Project Management with Report Writing
M23BCS306D	Data Analytics with R	M23BCS309D	Data Analytics with Excel

Professional Core Course (IPC): Refers to Professional Core Course Theory Integrated with practical's of the same course. Credit for IPC can be 04 and its Teaching—Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPC shall be included in the SEE question paper.

National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.





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Ref: MITM/CA/Scheme/2023-24/001

Scheme of Teaching and Examination for BE (Autonomous Scheme-2023) (Effective from the Academic Year 2023-24)

IV-Semester- Computer Science & Engineering (Artificial Intelligence)

Sl.	Course			TD/	,	Teaching Ho	ours/Week			Examin	ation		G. P.
No.	Area	Course Code	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	BS	M23BMAT401	Mathematics – III	Basic Science	2	2	0	0	03	50	50	100	3
2	PC	M23BCS402	Analysis & Design of Algorithms	CA/CS	2	2	0	0	03	50	50	100	3
3	PC	M23BCS403	Microcontroller	CA/CS	2	2	0	0	03	50	50	100	3
4	IPC	M23BCS404	Database Management Systems	CA/CS	3	0	2	0	03	50	50	100	4
5	PC	M23BCS405	-Introduction to Artificial Intelligence	CA/CS	2	2	0	0	03	50	50	100	3
6	PCL	M23BCSL406	Analysis & Design of Algorithms Lab	CA/CS	0	0	2	0	03	50	50	100	1
7	ES	M23BCS407x	Engineering Science Course (Choices listed in the table below).	CA/CS	3	0	0	0	03	50	50	100	3
			Ability Enhancement		1	If the course 0	e is Theory 0	0	01				
8	AE-IV	M23BCS408x	Course-IV (Choices listed in the table below)	Respective Department	0 If	the course is	s Laboratory 2	0	02	50	50	100	1
9	AE	M23BUHK409	Universal human values course	Any Department	0	0	2	0	01	50	50	100	1
		M23BNSK410	National Service Scheme (NSS)	NSS coordinator									
10	NCMC	M23BPEK410	Physical Education (PE) (Sports and Athletics)	PE Director	0	0	2	0	-	100	-	100	0
		M23BYOK410	Yoga	Yoga Teacher									





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11	BS	M23BDIPM411	Diploma Mathematics-2	Basic Science	2	0	0	0	00	50	00	50	0
									Total	550	450	1000	22/22

Notes:

- 1. The total number of Credits for ISE, DS, BS, AI, AI&ML, IC, and CE is 22 since they will be studying Mathematics III with 3 credits.
- 2. The total number of Credits for CSE, CV, ECE, and ME is 20 since they will be studying Biology for Engineers with 1 credit.

PC: Professional Core Course, **PCL**: Professional Core Course laboratory, **NCMC**: Non-Credit Mandatory Course, **AE**: Ability Enhancement Course, **L:** Lecture, **T**: Tutorial, **P**: Practical **S=SDA**: Skill Development Activity, **CIE**: Continuous Internal Evaluation, **SEE**: Semester End Evaluation. ES: Engineering Science Course, ETC: Emerging Technology Courses, PLC-Programming Language Course, **K**: This letter in the course code indicates common to all the stream of engineering

Engin	neering Science Course (ESC/ETC/PLC)[L-T-P::3-0-0]		Ability Enhancement Course – IV
Code	Title	Code	Title
M23BCS407A	Graph Theory	M23BCS408A	Scala.
M23BCS407B	Linear Algebra	M23BCS408B	MongoDB
M23BCS407C	Statistical and Numerical Methods	M23BCS408C	UI/UX Lab
M23BCS407D	Vector Space & Metric Space	M23BCS408D	Hands on IoT

Professional Core Course (IPC): Refers to Professional Core Course Theory Integrated with practical's of the same course. Credit for IPC can be 04 and its Teaching–Learning hours (L:T:P) can be considered as (3:0:2) or (2:2:2). The theory part of the IPC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPC shall be included in the SEE question paper.

National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.



M23BCS505B

Cloud Computing

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



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Scheme of Teaching and Examination for BE (Autonomous Scheme-2023) (Effective from the Academic Year 2023-24)

V-Semester- Computer Science & Engineering (Artificial Intelligence)

			V-Semeste	er- Computer Sci	ience & E	ngineering (Artificial In	telligen	ce)				
Sl.	Course			TD/		Teaching Ho	ours/Week			Examir	ation		
No.	Area	Course Code	Course Title	PSB	Theory/ Lecture	LIIIATIGI	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PC	M23BCA501	Machine Learning	CA/CS	3	0	0	0	03	50	50	100	3
2	IPC	M23BCS502	Computer Networks and Security	CA/CS	2	2	2	0	03	50	50	100	4
3	PC	M23BCA503	Data Science	CA/CS	4	0	0	0	03	50	50	100	4
4	PCL	M23BCAL504	Machine Learning Lab	CA/CS	0	0	2	0	03	50	50	100	1
5	PE	M23BCA505x	Professional Elective -I	CA/CS	3	0	0	0	03	50	50	100	3
6	PW	M23BCA506	Mini Project Work	CA/CS	0	0	4	0	03	100	-	100	2
7	AE	M23BRMK507	Research Methodology and IPR	Respective Department	2	2	0	0	02	50	50	100	3
8	BS	M23BESK508	Environmental Studies	CV/ENV/CHE	2	0	0	0	02	50	50	100	2
		M23BNSK509	National Service Scheme (NSS)	NSS coordinator									
9	NCMC	M23BPEK509	Physical Education (PE) (Sports and Athletics)	PE Director	0	0	2	0	-	100	-	100	0
		M23BYOK509	Yoga	Yoga Teacher									
									Total	500	300	800	22
				Pro	<u>ofessional</u>	Elective-I							
	ode	T7 1 1 D	Title	•	3	Code	Title 5C Probability and Statistics for AI&ML						
MI23B0	23BCA505A Knowledge Representation and Reasoning				N	/123BCA505	C Probabi	nty and	Statistics for	or Al&M	L		

M23BCS505D

Advanced JAVA





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Professional Core Course (IPC): Refers to Professional Core Course Theory Integrated with practical's of the same course. Credit for IPC can be 04 and its Teaching–Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPC shall be included in the SEE question paper.

National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.

Mini-project work: Mini Project is a laboratory-oriented/hands on course that will provide a platform to students to enhance their practical knowledge and skills by the development of small systems/applications etc. 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 faculty members of the Department, one of them being the Guide. The CIE marks awarded for the Mini-project work shall be based on the evaluation of the project report, project presentation skill, and question and answer session in the ratio of 50:25:25. The marks awarded for the project report shall be the same for all the batches mates.

(ii) Interdisciplinary: Continuous Internal Evaluation shall be group-wise at the college level with the participation of all the guides of the project.

The CIE marks awarded for the Mini-project, shall be based on the evaluation of the 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. **No SEE component for Mini-Project.**

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in the selected stream of engineering. Each group will provide an option to select one course. The minimum number of students' strengths for offering a professional elective is 10. However, this conditional shall not be applicable to cases where the admission to the program is less than 10.





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VI-Semester- Computer Science & Engineering (Artificial Intelligence)

Sl.	Course			TD/	Т	eaching He	ours/Week						
No.	Area	Course Code	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	IPC	M23BCA601	Advanced Machine Learning	CA/CS	2	2	2	0	03	50	50	100	4
2	PC	M23BCA602	Robotic Process Automation	CA/CS	3	2	0	0	03	50	50	100	4
3	PE	M23BCX603x	Professional Elective -II	CA/CS	3	0	0	0	03	50	50	100	3
4	OE	M23BCS604x	Open Elective -I	CA/CS	3	0	0	0	03	50	50	100	3
5	PW	M23BCA605	Major Project Phase - I	CA/CS	0	0	4	0	03	100	-	100	2
6	PCL	M23BCAL606	Robotic Process Automation Lab	CA/CS	0	0	2	0	03	50	50	100	1
					l	f the course	is Theory						
7	AE-V	M23BCX607x		Respective	1	0	0	0	01	50	50	100	1
,	7 LL V	WIZSBCHOOTK		Department		the course is	Laboratory	•	01	30	30	100	1
					0	0	2	0					
		M23BNSK608	National Service Scheme (NSS)	NSS coordinator									
			Physical Education (PE)	PE									
8	NCMC	M23BPEK608	(Sports and Athletics)	Director	0	0	2	0	-	100	-	100	0
		M23BYOK608	Yoga	Yoga Teacher									
								•	Total	500	300	800	18

PC: Professional Core Course, PCL: Professional Core Course laboratory, NCMC: Non-Credit Mandatory Course, AE: Ability Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. ES: Engineering Science Course, ETC:





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Emerging Techn	Emerging Technology Courses, PLC-Programming Language Course, K : This letter in the course code indicates common to all the stream of engineering						
P	rofessional Elective -II		Open Elective - I	Al	bility Enhancement - V		
Code	Title	Code	Title	Code	Title		
M23BCS603A	Blockchain Technology	M23BCS604A	Programming in JAVA	M23BCA607A	Tensorflow and Torch for Developer		
M23BCA603B	Generative AI	M23BCS604B	Introduction to Data Structure	M23BCS607B	DevOps		
M23BCA603C	Big Data Analytics	M23BCS604C	Introduction to DBMS	M23BCA607C	Project Management with Git		
M23BCS603D	Social Network Analysis	M23BCS604D	Introduction to Operating System	M23BCS607D	GoLang Programming		

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National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in the selected stream of engineering. Each group will provide an option to select one course. The minimum number of students' strengths for offering a professional elective is 10. However, this conditional shall not be applicable to cases where the admission to the program is less than 10.

Open Elective Courses: Students belonging to a particular stream of Engineering and Technology are not entitled to the open electives offered by their parent Department. However, they can opt for an elective offered by other Departments, provided they satisfy the prerequisite condition if any. Registration to open electives shall be documented under the guidance of the Program Coordinator/ Advisor/Mentor. The minimum numbers of students' strength for offering Open Elective Course is 10. However, this condition shall not be applicable to class where the admission to the program is less than 10.

Project Phase-I : Students have to discuss with the mentor /guide and with their help he/she has to complete the literature survey and prepare the report and finally define the problem statement for the project work.





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Scheme of Teaching and Examination for BE (Autonomous Scheme-2023) (Effective from the Academic Year 2023-24)

VII-Semester- Computer Science & Engineering (Artificial Intelligence)

Sl.	Course			TD/	7	Teaching Ho	urs/Week						
No.	Area	Course Code	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	MS	M23BCS701	Management and Entrepreneurship	CA/CS	3	0	0	0	03	50	50	100	3
2	IPC	M23BCS702	Natural Language Processing	CA/CS	3	0	2	0	03	50	50	100	4
3	PC	M23BCA703	Deep Learning	CA/CS	4	0	0	0	03	50	50	100	4
4	PE	M23BCX704x	Professional Elective - III	CA/CS	3	0	0	0	03	50	50	100	3
5	PE	M23BCX705x	Professional Elective - IV		3	0	0	0	03	50	50	100	3
6	PCL	M23BCAL706	Deep Learning Lab	CA/CS	0	0	2	0	03	50	50	100	1
7	PW	M23BCA707	Major Project Phase - II	CA/CS	0	0	10	0	03	100	100	200	5
		·	<u> </u>		<u>'</u>		·	·-	Total	400	400	800	23

PC: Professional Core Course, **PCL**: Professional Core Course laboratory, **NCMC**: Non-Credit Mandatory Course, **AE**: Ability Enhancement Course, **L:** Lecture, **T**: Tutorial, **P**: Practical **S**= **SDA**: Skill Development Activity, **CIE**: Continuous Internal Evaluation, **SEE**: Semester End Evaluation. ES: Engineering Science Course, ETC: Emerging Technology Courses, PLC-Programming Language Course

	Professional Elective - III		Professional Elective - IV
Code	Title	Code	Title
M23BCA704A	AI of Things	M23BCS705A	Quantum Computing
M23BCS704B	Ethical Hacking and Network Defence	M23BCA705B	Angular JS
M23BCA704C	Data Engineering & MLOps	M23BCS705C	Business Intelligence and Analytics
M23BCS704D	User Interface Design	M23BCA705D	Augmented Reality and Virtual Reality

Professional Core Course (IPC): Refers to Professional Core Course Theory Integrated with practical's of the same course. Credit for IPC can be 04 and its Teaching–Learning hours (L:T:P) can be considered as (3:0:2) or (2:2:2). The theory part of the IPC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPC shall be included in the SEE question paper.





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Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in the selected stream of engineering. Each group will provide an option to select one course. The minimum number of students' strengths for offering a professional elective is 10. However, this conditional shall not be applicable to cases where the admission to the program is less than 10.

Open Elective Courses: Students belonging to a particular stream of Engineering and Technology are not entitled to the open electives offered by their parent Department. However, they can opt for an elective offered by other Departments, provided they satisfy the prerequisite condition if any. Registration to open electives shall be documented under the guidance of the Program Coordinator/ Advisor/Mentor. The minimum numbers of students' strength for offering Open Elective Course is 10. However, this condition shall not be applicable to class where the admission to the program is less than 10.

Major Project Phase - II:

CIE procedure for Project Work:

(1) **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, shall be based on the evaluation of the project work 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.

(2) 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, shall be based on the evaluation of project work 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 procedure for Project Work: SEE for project work will be conducted by the two examiners appointed by the University. The SEE marks awarded for the project work shall be based on the evaluation of project work Report, project presentation skill, and question and answer session in the ratio 50:25:25.





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Scheme of Teaching and Examination for BE (Autonomous Scheme-2023) (Effective from the Academic Year 2023-24)

VIII-Semester- Computer Science & Engineering (Artificial Intelligence)

SI.	Sl. Course		o Course Title	TD/	Teaching Hours/Week								
No.	Area	Course Code	Course Title	PSB	Theory/ Lecture	Tutorial	Practical/ Drawing	SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
1	OE	M23BCS801x	Open Elective -II	CA/CS	3	0	0	0	03	50	50	100	3
2	OE	M23BCS802x	Open Elective -III	CA/CS	3	0	0	0	03	50	50	100	3
3	SR	M23BCA803	Technical Seminar	CA/CS	0	0	2	0	03	100	-	100	1
4	INT	M23BCA804	Internship	CA/CS	0	0	16	0	03	100	-	100	08
	•			•					Total	200	200	400	15

PC: Professional Core Course, PCL: Professional Core Course laboratory, NCMC: Non-Credit Mandatory Course, AE: Ability Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. ES: Engineering Science Course, ETC: Emerging Technology Courses, PLC-Programing Language Course, SR: Technical Seminar

	Open Elective – II (Online Courses)		Open Elective – III (Online Courses)
Code	Title	Code	Title
M23BCS801A	Introduction to AI	M23BCS802A	Machine Learning
M23BCS801B	Introduction to BigData	M23BCS802B	Introduction to Algorithms
M23BCS801C	Introduction to IOT	M23BCS802C	Mobile Application Development
M23BCS801D	Software Engineering	M23BCS802D	Software Testing

Professional Core Course (IPC): Refers to Professional Core Course Theory Integrated with practicals of the same course. Credit for IPC can be 04 and its Teaching—Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPC shall be included in the SEE question paper.

Elucidation:

At the beginning of IV years of the program i.e., after VI semester, VII semester classwork and VIII semester Research Internship /Industrial Internship / Rural Internship shall be permitted to be operated simultaneously by the University so that students have ample opportunity for an internship. In other words, a good percentage of the class shall attend VII semester classwork and a similar percentage of others shall attend to Research Internship or Industrial Internship or Rural Internship. Research/Industrial /Rural Internship shall be carried out at an Industry, NGO, MSME, Innovation centre, Incubation centre, Start-up, centre of Excellence (CoE), Study





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Centre established in the parent institute and /or at reputed research organizations/institutes.

The mandatory Research internship /Industry internship / Rural Internship is for 14 to 20 weeks. The internship shall be considered as a head of passing and shall be considered for the award of a degree. Those, who do not take up/complete the internship shall be declared to fail and shall have to complete it during the subsequent University examination after satisfying the internship requirements.

Research internship: A research internship is intended to offer the flavour of current research going on in the research field. It helps students get familiarized with the field and imparts the skill required for carrying out research.

Industry internship: Is an extended period of work experience undertaken by students to supplement their degree for professional development. It also helps them learn to overcome unexpected obstacles and successfully navigate organizations, perspectives, and cultures. Dealing with contingencies helps students recognize, appreciate, and adapt to organizational realities by tempering their knowledge with practical constraints.

Rural Internship: Rural development internship is an initiative of Unnat Bharat Abhiyan Cell, RGIT in association with AICTE to involve students of all departments studying in different academic years for exploring various opportunities in techno-social fields, to connect and work with Rural India for their upliftment.

The faculty coordinator or mentor has to monitor the student's internship progress and interact with them to guide for the successful completion of the internship. The students are permitted to carry out the internship anywhere in India or abroad. University shall not bear any expenses incurred in respect of the internship.

With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship at their hometown (within or outside the state or abroad), provided favourable facilities are available for the internship and the student remains regularly in contact with the internal guide. University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the organization.

Professional Elective /Open Elective Course: These are ONLINE courses suggested by the respective Board of Studies