AICTE - Teaching and Learning (ATAL) Academy

The main objectives of the ATAL Academy are:

- To plan and help in imparting quality technical education in the country.
- To support technical institutions in fostering research, innovation, and entrepreneurship through training in various emerging areas.
- To stress upon empowering technical teachers using Information and Communication Technology (ICT).
- To utilize the SWAYAM platform and other resources for the delivery of trainings.
- To provide a variety of opportunities for training and exchange of experiences, such as workshops, orientations, learning communities, peer mentoring, and other faculty development programmes.
- To support policy makers in incorporating trainings as per requirements.

MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE

ABOUT THE PROGRAMME

Rapid advances in computing are transforming science, engineering and industry. Advanced Computing brings together Supercomputing, Artificial Intelligence (AI) and Data Science to solve complex, data-intensive problems at scale.

This FDP provides faculty members with in-depth knowledge and practical insights into high-performance computing, AI techniques and data-driven analytics. Expert sessions, demonstrations and discussions will connect foundational concepts with real-world applications.

The programme will explore emerging trends and technological advancements in parallel and distributed computing and GPU-accelerated computing.

The FDP also aims to strengthen the research capabilities and technical competencies of faculty members by encouraging interdisciplinary collaboration, innovative teaching practices and research-oriented problem-solving. Through expert interactions, hands-on demonstrations and application-based learning, participants will develop the skills required to incorporate advanced computing technologies into academic curricula.

AICTE - All India Council for Technical Education - योगः कर्मसु कौशलम्

AICTE TRAINING & LEARNING ACADEMY - ATAL

AICTE Training and Learning (ATAL) Academy Sponsored Faculty Development Programme (Online) on

ADVANCED COMPUTING FOR THE FUTURE: SUPERCOMPUTING, ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE)

4th January - 9th January, 2027



mitmysore.in

ABOUT MITM

MITM is situated in a beautiful, enchanting and sprawling landscape about 3 kms behind K.R. Mills. The institute is founded by a group of eminent people recognized for their eminence in the field of science and engineering technology. Many of them have served at the highest levels of AICTE and University. The college is equipped with all modern learning aids to make teaching- learning process a pleasure. The highly qualified staff is its asset. The college has to its credit the highest number of admissions in the academic year 2007-08 among the 16 newly opened engineering colleges in Karnataka.

ABOUT THE DEPARTMENT

Founded in 2022 with an intake of 60 students, we are committed to establishing ourselves as a leader in AI education, bridging the gap between traditional computer science and the rapidly evolving field of artificial intelligence. Our curriculum is thoughtfully designed to provide a strong foundation in both computer science and AI, with an emphasis on practical applications alongside theoretical knowledge in areas such as machine learning, natural language processing, computer vision, and robotics. As a young and dynamic department, we are uniquely positioned to adapt swiftly to the latest advancements in AI. Our mission is to develop not just skilled engineers, but visionary problem-solvers capable of addressing complex challenges through AI driven solutions.

OBJECTIVES OF THE FDP

- To Introduce participants to modern paradigms in Advanced Computing and High-Performance Computing (HPC).
- Explain supercomputing architectures, parallel computing, GPU computing and distributed systems.
- Strengthen knowledge of Artificial Intelligence, Machine Learning, Deep Learning and Generative AI.
- Develop expertise in Data Science, Big Data Analytics and data-driven decision-making.

TOPICS COVERED

- High-Performance Computing and Supercomputing
- Artificial Intelligence, Machine Learning and Deep Learning.
- Generative AI, Large Language Models (LLMs) and AI Agents.
- Big Data Analytics, Data Science and Distributed Data Processing.
- AI-Accelerated Computing, Responsible AI and Real-World Applications.

REGISTRATION AND OTHER DETAILS

For registration, please use the link given below:

CLICK HERE FOR REGISTRATION

Visit the official website or scan the QR code:

https://www.aicte.gov.in/atal

ATAL FDPs are free, and No fee will be charged from any participant attending ATAL FDP.

Candidates are requested to register at the earliest, as the number of seats is limited. The FDP will be held in ONLINE mode. The certificates shall be issued by ATAL academy to those participants who have attended the program with minimum 80% attendance and scored minimum 70% marks in the test conducted at the end of the FDP.

Patron

Dr.Murali S,Principal, MIT Mysore

Co-Patron

Dr. Naresh Kumar B G, President, MET ® Mysore

Dr. G Hemantha Kumar, Vice President, MET ® Mysore

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Dr. Ananth R Koppar, Trustee, MET ® Mysore

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Organized by the

Department of CSE (Artificial Intelligence)

Maharaja Institute of Technology Mysore
(An Autonomous Institution)

ATAL Online 6 Day Faculty Development Programmes 2026-27 Schedule

FDP Thrust Area: Advanced Computing (Supercomputing, AI and Data Science)
FDP Title: Advanced Computing for the Future: Supercomputing, Artificial Intelligence and Data Science
Start Date: 04 – January -2027 **End Date:**

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
6:00PM to 6:30PM **Inaugural Session**	6:00PM to 7:30PM **Session 3** **Topic:** Introduction to Advanced Computing and Emerging Computing Paradigms **Name of the Expert:** Dr. Pavan V S **Designation & Organization:** Sr. Specialist PM - NPI, AI Server Manufacturing, Ingrasys Foxconn, Taiwan **Years of Exp:**12	6:00PM to 7:30PM **Session 5** **Topic:** Artificial Intelligence: Foundations, Machine Learning and Deep Learning **Name of the Expert:** Dr. Nagaraju C **Designation & Organization:** Professor, The National Institute of Engineering, Mysore **Years of Exp:** 20	6:00PM to 7:30PM **Session 7** **Topic:** Generative AI, Large Language Models and AI Agents **Name of the Expert:** Dr. Shreekant Jere Designation & Organization: I & F Decision science Practitioner, Accenture AI **Years of Exp:** 16	6:00PM to 7:30PM **Session 9** **Topic:** Big Data Analytics and Distributed Data Processing **Name of the Expert:** Dr. Mohammed Ali Kadampur **Designation & Organization:** Professor, AI-Iman Muhammed Ibn Saud Islamic University, Riyad, Saudi Arabia **Years of Exp:** 25	2:00PM to 3:30PM **Session 11** **Topic:** AI + HPC: Accelerated Computing for Large-Scale AI and Scientific Applications **Name of the Expert:** Pavan Kashyap **Designation & Organization:** Specialist Data Scientist, Fiserv **Years of Exp:** 11
6:30PM to 8:00PM **Session 1** **Topic:** Parallel Programming and GPU Computing **Name of the Expert:** Dr. Raghavendra K **Designation & Organization:** Associate Professor, Maharaja Institute of Technology Mysore **Years of Exp:** 16	7:30PM to 9:00PM **Session 4** **Topic:** High-Performance Data Processing and Cloud/HPC Infrastructure **Name of the Expert:** Dr. Pavan V S **Designation & Organization:** Sr. Specialist PM - NPI, AI Server Manufacturing, Ingrasys Foxconn,Taiwan **Years of Exp:** 12	7:30PM to 9:00PM **Session 6** **Topic:** Advanced Deep Learning Architectures and Accelerated AI **Name of the Expert:** Dr. Tojo Mathew **Designation & Organization:** Professor, BITS Pilani, Dubai Campus, Dubai International Academic City, UAE **Years of Exp:** 20	7:30PM to 9:00PM **Session 8** **Topic:** Data Science: Data Engineering, Pre-processing and Visualization **Name of the Expert:** Dr. Tojo Mathew **Designation & Organization:** Professor, BITS Pilani, Dubai Campus, Dubai International Academic City, UAE **Years of Exp:** 20	7:30PM to 9:00PM **Session 10** **Topic:** Advanced Machine Learning for Data-Driven Decision Making **Name of the Expert:** Dr. Mohammed Ali Kadampur **Designation & Organization:** Professor, AI-Iman Muhammed Ibn Saud Islamic University, Riyad, Saudi Arabia **Years of Exp:** 25	3:30PM to 5:00PM **Session 12** **Topic:** Responsible and Trustworthy Advanced Computing **Name of the Expert:** Gajendra Deshpande **Designation & Organization:** Managing Director, Theta Dynamics Private Limited **Years of Exp:** 17

8:00PM to 9:30PM **Session 2** **Topic:** Fundamentals of High-Performance Computing and Supercomputing **Name of the Expert:** Pavan Kashyap **Designation & Organization:** Specialist Data Scientist, Fiserv **Years of Exp:** 11		5:00PM to 7:30PM **Session 13** **Topic:** Advanced Computing for Real-World Applications **Name of the Expert:** Gajendra Deshpande **Designation & Organization:** Managing Director, Theta Dynamics Private Limited **Years of Exp:** 17
		6:30PM to 7:30PM **Online test & feedback**
		7:30PM to 8:00PM **Valedictory Session**