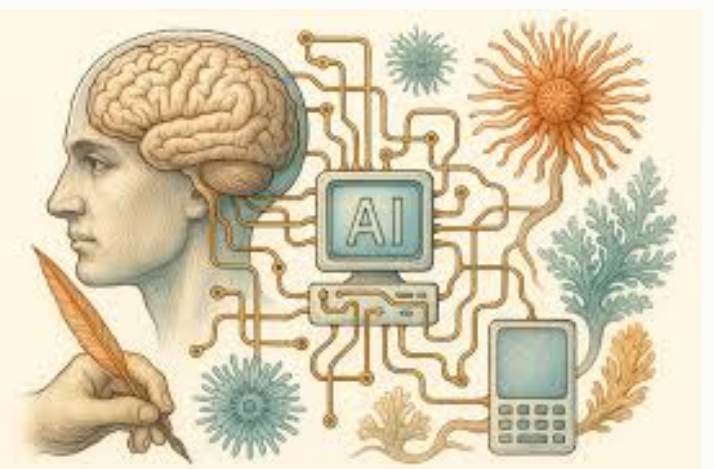


ABOUT FDP

Advanced Computing stands as the backbone of innovation across industries. With the convergence of Supercomputing, Artificial Intelligence (AI), and Data Science, the ability to solve complex real-world problems has reached unprecedented levels. This Faculty Development Program (FDP) aims to empower faculty members with knowledge, tools, and techniques that align with the current and future demands of computing technologies with Enhanced technical competency in advanced computing paradigms.



Bridging AI, HPC, and Data-Driven Technologies:

- Foundations of Advanced Computing Paradigms.
- High Performance Computing (HPC) for Real-World applications.
- Artificial Intelligence in Advanced Computing.
- Convergence of AI, HPC, and Data Science.
- Sustainability and SDGs through Advanced Computing.
- Hands-on Tools, Frameworks, and Case Studies.
- Cloud and Edge Computing for Scalable Solutions.

Registration

[Click Here](#)

Registration is mandatory for attending the FDP. The participants are requested to register in the ATAL portal.

ABOUT INSTITUTION

Kalpataru Institute of Technology was established in 1986 with a view to provide quality technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi, recognized by All India Council for Technical Education (AICTE), New Delhi. The college has an excellent team of qualified, experienced and dedicated faculty members. The college campus is located within a distance of 2 Kms from Railway station and Bus Stand. Kalpataru Institute of Technology is a 39-year-old institution equipped with all the required infrastructure is delighted to announce that the National Board of Accreditation (NBA) has extended the accreditation of our undergraduate programs—Computer Science & Engineering and Electronics & Communication Engineering for a further period of three years, covering 2025–2026, 2026–2027, and 2027–2028.

DEPARTMENT OF CSE

The Department was established in the year 1986. The department aims to provide quality education with Bachelor of Engineering(B.E.) in Computer Science and Engineering. The Computer Science and Engineering program has been accredited for three years 2025–2026, 2026–2027, and 2027–2028. The Department offers an healthy atmosphere for students to build their talents in the respective advanced areas of Computer Science & Engineering.

COORDINATOR

Dr. Anitha C L
Professor, Dept. of CSE

CO-COORDINATOR

Dr. Sanjay Kumar N V
Professor, Dept. of CSE

Contact us

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6 - DAY ONLINE FACULTY DEVELOPMENT PROGRAM

on

*Advanced Computing Paradigms:
Bridging AI, HPC, and Data-Driven Technologies*



Oct 13 - 18, 2025



**Sponsored by AICTE, NEW DELHI under
AICTE Training & Learning (ATAL) Academy
&**

**ORGANIZED BY DEPARTMENT OF
Computer Science and Engineering
Kalpataru Institute of Technology, Tiptur**

Affiliated to VTU, Approved by AICTE, New Delhi
(NAAC and NBA Accredited)
B H Road, Tiptur, Tumkur, Karnataka, 572201
Phone & Fax : +91-8134-251267

OBJECTIVES OF THE FDP

The objective of this FDP is to equip participants with the foundational knowledge, practical skills and latest advancements required to effectively leverage High Performance Computing (HPC) for solving complex problems in data science and various engineering disciplines to familiarize participants with the latest advancements and trends in HPC.

OUTCOMES OF THE FDP

The Faculty Development Programme (FDP) on advanced computing empowers faculty to strengthen their teaching, research, and professional expertise. It enhances knowledge of modern programming languages, frameworks, and emerging technologies, while helping faculty refresh and update course content in line with industry needs and research trends. By adopting interactive, technology-driven teaching methods, the FDP inspires innovation in classrooms and creates more impactful learning experiences.

Eligibility

Faculty members, Research scholars and PG Scholars of the AICTE approved institutions and Industry Personnel are eligible to apply.

COURSE CONTENTS

- Evolution and Significance of Advanced Computing in Modern Innovation.
- Convergence of Supercomputing, Artificial Intelligence (AI), and Data Science.
- Advanced Computing Paradigms for Solving Complex Real-World Problems.
- Faculty Empowerment through Knowledge, Tools, and Techniques in Computing.
- Enhancing Technical Competency to Meet Current and Future Industry Demands.
- Role of Advanced Computing in Sustainable Development Goals (SDGs).
- Quantum Computing: Emerging Trends and Opportunities.

RESOURCE PERSONS

The sessions will be handled by experts from academia, research organizations and industry in the subject area.

GUIDELINES

No participant fees will be collected. Sessions will be conducted during the evening time (Refer the schedule given with this brochure). Eligible participants will be selected based on first come first serve basis and will be intimated by e-mail. Coordinator's decision will be final regarding the selection of participants. The certificates shall be issued to those participants who are registered on ATAL portal.

www.aicte-india.org/atal

Attend the program with minimum 80% attendance and score minimum 70% marks in the assessment.

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Prof. Shubha B P

Prof. Amrutha R M

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
6:00 to 6:30pm Inaugural Session	6:00pm to 7:30pm Session 3 Topic: GenAI in daily life: how its changing the way we work and live. Name of the Expert: Poornima Suresh Designation & Organization: Senior principal engineer, Team lead, Progress software Years of exp: 20 years	6:00pm to 7:30pm Session 5 Topic: GenAI powered by data science Name of the Expert: Vinutha G M Designation & Organization: Technical Lead, Oracle R &D Years of exp: 10 years	6:00pm to 7:30pm Session 7 Topic: Generative AI in action: New Real-World Applications transforming Business and IT services Name of the Expert: Girish Lolakantiah Designation & Organization: Director, TieToEvry Years of exp: 25 years	6:00pm to 7:30pm Session 9 Topic: GenAI in todays life Name of the Expert: Prema Harish Designation & Organization: Master Architect, HPE Years of exp: 22 years	2:00pm to 3:30pm Session 11 Topic: SBK-charts: the data science of performance engineering of distributed and generic storage systems Name of the Expert: Dr. Keshava Munegowda Designation & Organization: Vice President, Secdb engineering Years of exp: 22 years
6:30pm to 8:00pm Session 1 Topic: Building blocks of the generative AI Ecosystem: Dive deep onto the tech driving GenAI Name of the Expert: Supreeth S Angadi Designation & Organization: GenAI/ML specilist startuos solutions architect, Amazon web services Years of exp: 6years	7:30pm to 9:00pm Session 4 Topic: GenAI in daily life: how its changing the way we work and live Name of the Expert: Poornima Suresh Designation & Organization: Senior principal engineer, Team lead, Progress software Years of exp: 20 years	7:30pm to 9:00pm Session 6 Topic: GenAI powered by data science Name of the Expert: Vinutha G M Designation & Organization: Technical Lead, Oracle R &D Years of exp: 10 years	7:30pm to 9:00pm Session 8 Topic: Generative AI in action: New Real-World Applications transforming Business and IT services Name of the Expert: Girish Lolakantiah Designation & Organization: Director, TieToEvry Years of exp: 25 years	7:30pm to 9:00pm Session 10 Topic: Hands on session Name of the Expert: Prema Harish Designation & Organization: Master Architect, HPE Years of exp: 22 years	3:30pm to 5:00pm Session 12 Topic: SBK-charts: the data science of performnce engineering of distributed and generic storage systems Name of the Expert: Dr. Keshava Munegowda Designation & Organization: Vice President, Secdb engineering Years of exp: 22 years
8:00pm to 9:30pm Session 2 Topic: Hands on: Building blocks of the generative AI Ecosystem: Dive deep onto the tech driving GenAI Name of the Expert: Supreeth S Angadi Designation & Organization: GenAI/ML specilist startuos solutions architect, Amazon web services Years of exp: 6years					5:00pm to 6:30pm Session 13 Topic: Name of the Expert: Dr A V Narasimhadhan PhD Designation & Organization: Assoc. Prof., NITK Surathkal Years of exp: 23 years
					6:30pm to 7:30pm Online test and feedback
					7:30pm to 8:00pm Valedictory Session