

## Registration Link

<https://www.aicte-india.org/atal>

No  
Registration  
Fee

## Travel Expense Reimbursement

External Participants (travelling more than 20KM one side to attend the FDP) who attend at least 90% of the sessions shall be reimbursed with an amount of Rs. 2000/- (max.) at the end of FDP. Refreshments & Working Lunch will be provided. Out station participants may be provided with accommodation on request with nominal charges.

## For Accommodation, Contact

**Mr. Rudresh A N**

Asst. Professor, Dept. of CE, ATMECE, Mysuru  
Ph.no: 9743580290

## For More Details, Contact

**Mr. Srivathsa H U**

Asst. Professor, Dept. of CE, ATMECE  
Ph.no: 8867572081

**Mr. Puneeth K**

Asst. Professor, Dept. of CE, ATMECE  
Ph.no: 8762506972

## About Mysuru

Mysuru is located at about 145.2 km towards the southwest of Bengaluru and spread across an area of 156 Sq.km. The cultural ambiance and achievements of Mysuru has earned it the Cultural Capital of Karnataka. Mysuru is noted for its heritage structures and palaces, including the Mysuru Palace. In addition, it is noted for the festivities that takes place during the Dasara festival. Tourism is the major industry alongside the traditional industries. Mysuru is well connected with Air, Rail and Road ways to major cities of India.

## Chief Patron

**Sri. L. Arun Kumar**

Hon. Chairman, ATMECE, Mysuru

## Patrons

**Sri. K. Shivashankar**

Hon. Secretary, ATMECE, Mysuru

**Sri. R. Veeresh**

Hon. Treasurer, ATMECE, Mysuru

## Principal

**Dr. A. K. Murthy**

ATMECE, Mysuru

## Advisory Committee

**Dr. S R Bhagyashree**

Dean Research, Professor, Dept. of ECE, ATMECE

**Dr. Suneeth Kumar S M**

Professor, Dept of CE, ATMECE

## Convenor

**Mr. Manu Vijay**

Associate Professor & Head Dept. of CE, ATMECE

## Coordinator

**Dr. Seshadri Sekhar N**

Professor, Dept. of CE, ATMECE

## Co-ordinators

**Mr. Srivathsa H U**

Asst. Professor, Dept. of CE, ATMECE

**Mr. Puneeth K**

Asst. Professor, Dept. of CE, ATMECE

## Organizing Committee

**Teaching & Non-Teaching Staffs**

**Dept. of CE, ATMECE**



**A T M E**<sup>®</sup>  
College of Engineering



## Six Day Faculty Development Program on "Emerging Trends and its Applications in Civil Engineering"

Sponsored  
by  
AICTE, NEW DELHI  
Under  
AICTE Training and Learning Academy (ATAL)



On  
**18<sup>th</sup> to 23<sup>th</sup> December 2023**  
Venue  
**ATME College of Engineering**

0821-2954081 | 0821 -2954011  
Info@atme.edu.in | www.atme.edu.in  
13th Kilometer, Mysore – Kanakapura – Bangalore Road,  
Mysore – 570 028

## ATME College of Engineering

ATME College of Engineering Mysuru, established in the year 2010 is approved by AICTE New Delhi and affiliated to Visvesvaraya Technological University Belagavi, Karnataka. Currently, 9 UG programs and one PG program (MCA) are offered to students. ATMECE is re-accredited for 3 years by NBA for Civil Engineering, Electronics & Communication, Electrical & Electronics, and Mechanical Engineering Courses. Computer Science Course is accredited by NBA for 3 Years. ATMECE is an ISO 9001-2015 certified college and is awarded "The Best Emerging Private Engineering College in Karnataka" and "Most Promising Upcoming Private Engineering College in Karnataka" for two consecutive years. ATMECE has secured QS I-Gauge Gold Ranking. ATMECE has been listed as one of the "Swachh Institute of the Country in 2019-20".

ATMECE is proud of achieving accreditation by NAAC with A+ grade and is one among seven engineering colleges in Karnataka and one of the 47 Engineering colleges at the national level granted with A+ in the very First Cycle. All the Departments in the Institute are recognized as research centers from VTU to pursue MS (Research) and Ph.D. The Institute has received more than 5 crores of external funding for various research & consultancy projects in the last 5 years. ATMECE has collaborated with more than twenty-five Industries and Institutes across the globe.

## About the Department

The Department of Civil Engineering came into existence in the year 2011 offering UG program in Civil Engineering with an intake of 60. The UG program is accredited by NBA for a period of 3years in two consecutive cycles. The department has varied laboratories with excellent facilities in order to carry out the Research and Consultancy works. Department has received funding up to Rs. 10lakhs sponsored by Central & State Govt agencies. Department is actively involved in Consultancy works. Department has good numbers of faculty and student publications. Department has MoU's with many organizations to bridge the gap between academics & Industry.

## AICTE –Teaching & Learning (ATAL) Academy

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve goals of Higher Education such as access, equity and quality". AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understands that there is a need of the day to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. Training is required for increasing the knowledge and skills of faculties and students to make them more employable to acquire global competencies.

## About the FDP

The technology is changing very rapidly and the new technologies are being introduced on day-to-day basis. The National Education Policy focuses on interdisciplinary research. There is a requirement for the staff members and researchers to enhance their knowledge and competency in the field of academia and research. In view of keeping the faculty members and researchers in-line with requirements of NEP and to address the interdisciplinary research avenues, the department of Civil Engineering has been organizing a 6-Days offline Faculty Development Program in the emerging trends that focuses on Applications of Artificial Intelligence, Machine Learning, Artificial Neural Networks, Soft Computing Techniques, Automation, Deep Learning in the field of Civil Engineering.

## Objectives

- Understanding the concepts of artificial neural networks, Soft Computing Techniques, Automation and Deep Learning
- Practical implementation of all the techniques with real time applications
- Developing skills in predictive analytics using various tools.

## Expected Outcomes of FDP

- Better understanding of artificial neural networks, Soft Computing Techniques, Automation and Deep Learning
- Improved ability to design, develop, and implement AI applications to provide solutions for Civil Engineering problems.
- Integration of modern technologies and techniques into the academics to improve the quality of education in Collaborative learning.

## Contents of FDP

- Research & Funding Avenues
- Soft Computing in Civil Engineering
- Student - Centric Pedagogical approaches for enhanced T - L outcomes
- Ensuring Infrastructure Resilience through Structural Health Monitoring
- Automation in Civil Engineering
- Art of Writing a Research Paper
- Concrete Strength Prediction using Machine Learning & Structural Crack Prediction using Deep Learning
- ANN in strength Prediction of RCC Structural Component
- Applications of ANN in Civil Engineering
- Industrial Visit
- Research article discussion session
- Practical / Lab Sessions

## Resource Persons/ Experts

The resource persons for the faculty development program shall include faculty members from Affiliated Universities, premier Institutes, host Institution and Industry.

## Targeted Participants

- Faculty Members of AICTE Approved Institutions, Universities, Research Scholars, PG Scholars, Participants from Industry and Staffs of host Institution
- The number of Participants is limited to 50.
  - The Selection is based on first come first serve basis.