

ABOUT ATMECE

ATME College of Engineering (ATMECE) Mysuru, established in the year 2010 is approved by AICTE New Delhi and affiliated to Visvesvaraya Technological University Belagavi, Karnataka. Currently, 8 UG programmes are offered to students, which are affiliated to Visvesvaraya Technological University (VTU). From the academic year 2021-22, ATMECE has started three new UG programmes in the emerging areas like, Computer Science Engineering (Artificial Intelligence & Machine Learning), Computer Science Engineering (Data Science), and Computer Science Design.

ATMECE is Re-accredited by NBA for Civil Engineering, Electronics & Communication, Electrical & Electronics and Mechanical Engineering Courses for the period 2022-25. ATMECE is accredited by NAAC with A+ Grade. ATMECE is an ISO 9001-2015 certified college and is awarded with "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 "Swacch Institute of the Country in 2019-20". All the Departments in the Institute are recognized as research centers from VTU to pursue MS (Research) and PhD. The Institute has received more than 3 crores of external funding for various research & consultancy projects in the last 5 years.

ABOUT DEPT. OF ECE

Department of Electronics & Communication Engineering was established in the year 2010 with an intake of 60 students & was enhanced to 120 students in the year 2012. Department has well qualified & experienced teaching faculty & technical staff with state-of-the-art laboratories to meet the quality education required for present challenging societal & industrial needs. Department has been accredited by NBA from 2019-2022. In the year 2022 it was re-accredited by NBA for 3 more years i.e from 2022-2025.

VISION

To develop highly skilled and globally competent professionals in the field of Electronics and Communication Engineering to meet industrial and social requirements with ethical responsibility.

MISSION

- ▶ To provide State-of-art technical education in Electronics and Communication at undergraduate and post - graduate levels, to meet the needs of the profession and society and achieve excellence in teaching-learning and research.
- ▶ To develop talented and committed human resource, by providing an opportunity for innovation, creativity and entrepreneurial leadership with high standards of professional ethics, transparency and accountability.
- ▶ To function collaboratively with technical Institutes / Universities / Industries, offer opportunities for interaction among faculty - students and promote networking with alumni, industries and other stake - holders.

WHY OFFLINE FDP?

An important change in the global education system was brought about by the Covid- 19 pandemic. Although it has helped to keep education alive in these challenging times, online learning cannot totally replace it.

Pros of Offline Learning:

- ▶ Hands-on practise.
- ▶ Greater involvement and interaction.
- ▶ Fewer distractions
- ▶ Individual attention



A T M E
College of Engineering



Five Days FDP
On
**5G/6G Technologies for
Wireless Systems**

27th -31st March, 2023

Organized By

Department of ECE

(Accredited For 3 Years (2022-25) by NBA, New Delhi)



In Association With

EChelon



ABOUT FDP

5G technology is already having a transformative impact on the economy, spurring economic growth by creating new industries, products and business models. 5G is poised to unlock higher bandwidth, near real-time responses, the industrial Internet of Things (IIoT), and mission-critical products and applications. 5G will provide improved safety of transportation, especially with automated vehicles. It will also offer higher bandwidth and edge computing power for vehicle-to-infrastructure (V2I), vehicle-to-network (V2N) services and machine-to-machine (M2M) feedback loops. 5G will offer rapid processing of high-quality and high-quantity medical data and richer mobile and home care, as well as greater reliability and lower latency in critical patient applications. The purpose of FDP is to address actual and upcoming 5G field tests, practical deployments, hands-on experiences, and use cases, as well as the management aspects of 5G networks. This gathering will also provide an opportunity to talk about the 6G mobile network, which will be developed based on the shortcomings of 5G and the requirements of various industry sectors.

OBJECTIVES OF THE FDP

- ▶ To introduce the 5G technology and the research areas in the advanced wireless communication technology.
- ▶ To help in identifying the opportunities to flourish the knowledge and pursue research in this area
- ▶ To improve the research abilities of the faculty/Research Scholars in the advanced wireless communication technology.

OUTCOMES OF THE FDP

- ▶ To apply the 5G/6G technology in the research areas in the advanced wireless communication technology.
- ▶ To utilise Omnet++ and MATLAB tool to implement research ideas in 5G/6G.
- ▶ To understand roadmap for beyond 5G/6G.

TARGETED PARTICIPANTS

The Faculty, Ph.D. Scholars and PG Students from AICTE approved Technical Institutions

FDP SCHEDULE

DATE/SESSION	TOPICS COVERED	RESOURCE PERSONS
27 th March 2023 (9:30am-12:30pm) (Session 1)	Inauguration & Communication Network Architecture & Evolution	Prof. Thyagaraja Murthy SJCE, JSS S&T University, Mysuru
27 th March 2023 (2:00pm-4:30pm) (Session 2)	RF Technologies in 3G/4G/5G Networks	Mr. Kiran Marathe, Founder and CEO, DTRI Mysuru
28 th March 2023 (9:30am-12:30pm) (Session 1)	Advanced Antenna Design and Fabrication: Research Perspective	Dr. Shaushrutha K S & Dr. Mahesh A Professor & COE, RVCE, Bengaluru
28 th March 2023 (2:00pm-4:30pm) (Session 2)		
29 th March 2023 (9:30am-12:30pm) (Session 1)	Network protocols Algorithms and Design	Prof. Thyagaraja Murthy SJCE, JSS S&T University, Mysuru
29 th March 2023 (2:00pm-4:30pm) (Session 2)	Evolution of Technologies from 5G to 6G	Mr. Shashidhara Dongre Delivery Head, Global head L&T Technology Services Mysuru
30 th March 2023 (9:30am-12:30pm) (Session 1)	Hands-On Session Using Matlab 5G Toolbox & OMNET ++	Dr. Siddalingappagouda Biradar, Prof. Dept. of ECE DSATM, Bangalore & Dr. Shashi Ranjan Professor, Dept. of ECE, DBIT, Bengaluru
30 th March 2023 (2:00pm-4:30pm) (Session 2)		
31 st March 2023 (9:30am-12:30pm) (Session 1)	Hands-On Session Using Matlab 5G Toolbox & OMNET ++	
31 st March 2023 (2:00pm-4:30pm) (Session 2)	Feedback and Valedictory	

REGISTRATION DETAILS

Registration Fee: Rs 500/-

Registration link:

<https://forms.gle/Uf9h3h82fngNB5uW8>

Last Date for Registration: 25-03-2023

Account details:

Name of Account: Mr.Echelon

Account Number: 12103100008280

IFSC Code: PKGB0012103

Name of the Bank: KARNATAKA GRAMIN BANK

CHIEF PATRONS

Sri. L Arun Kumar
Chairman, ATMECE, Mysuru

Sri. K. Shivashankar
Secretary, ATMECE, Mysuru

Sri. R. Veeresh
Treasurer, ATMECE, Mysuru

PATRON

Dr. L. Basavaraj
Principal, ATMECE, Mysuru

CONVENER

Dr. Prathibha M K
Associate Professor & HOD, ATMECE Mysuru

STAFF COORDINATORS

Prof. Pavithra A C
Dept. of ECE

Dr. Shalini Hanok
Dept. of ECE

Prof. Manjunath K
Dept. of ECE

Prof. Chandrashekar P
Dept of ECE

Prof. Juslin F
Dept. of ECE

TECHNICAL STAFF COORDINATORS

Mr. Manjunatha H R
Foreman, Dept. of ECE

Mr. Abhinandan V A
Instructor, Dept. of ECE

CONTACT DETAILS

Prof. Manjunath K
Ph: 9738403734

Prof. Chandrashekar P
Ph: 9611211134

Mode: Offline

Venue: ATMECE