Learning Outcomes

At the end of the FDP, the participants will be able to:
1. Analyze the challenges and opportunities associated with the deployment of 5G and beyond networks
2. Assess the effectiveness of different spectrum allocation policies for 5G.
3. Evaluate the potential of IRS technology to improve 5G network performance.
4. Analyze the implications of 6G technologies on society, industry, and the environment.
5. Evaluate research papers and publications to stay updated in the field of communication engineering. wireless communication

Speakers

Faculty members from IIT, IIST, NIT and other premier institutions/research organizations will deliver lectures.

Eligibility

Faculty members from AICTE Accredited Institutions (Degree and Diploma), Research scholars, Industry personnel and practicing engineers are eligible for this FDP.

Successful Completion

The certificate shall be issued by the ATAL academy to participants who have attendaed the program with minimum 80% attendance and secured 70% mark in assessment and other activities.
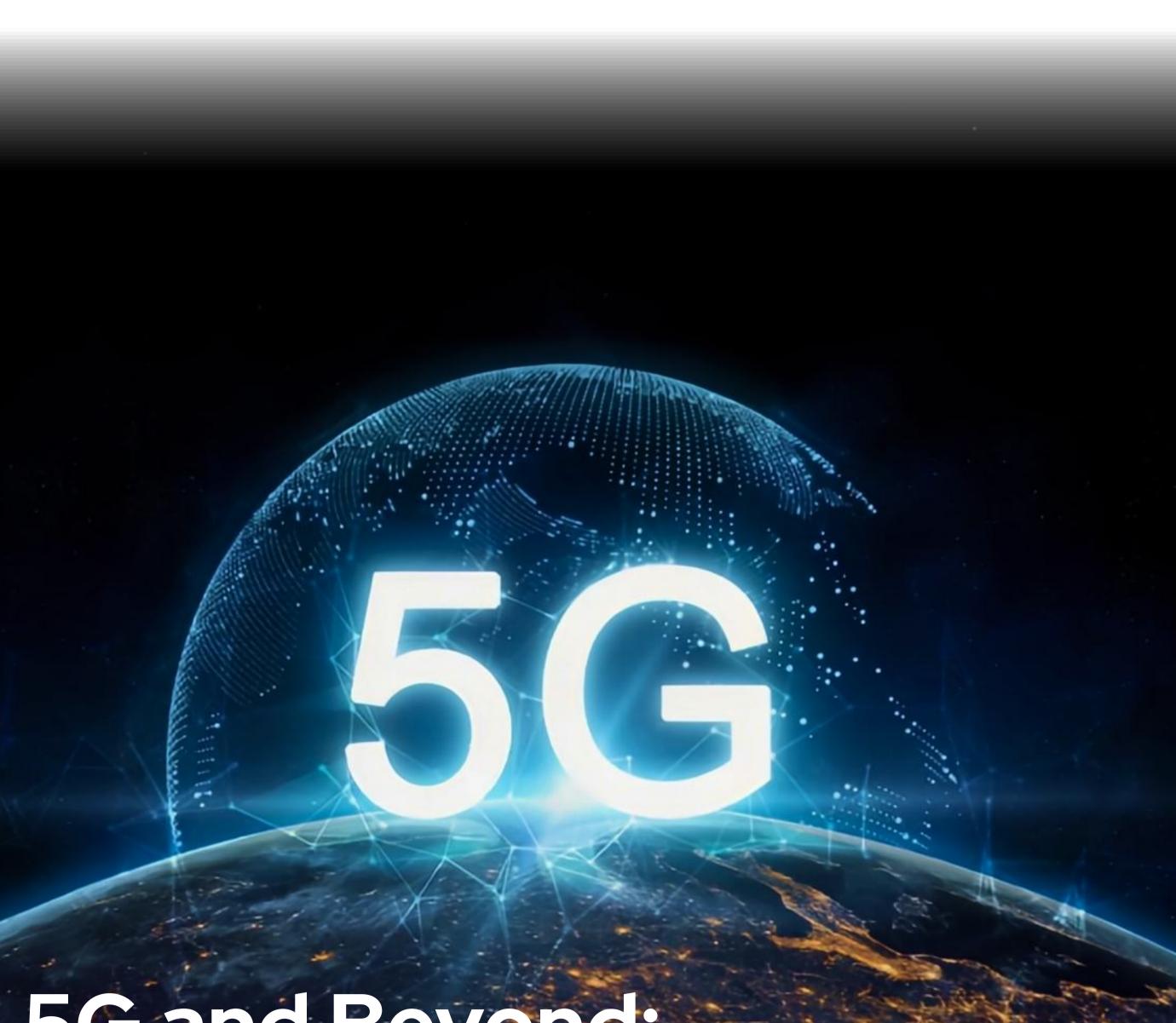
About the Programme

Faculty Development Program (FDP) on "5G and Beyond- Research Directions and Opportunities" aims to empower educators in the field with cutting-edge knowledge and insights into the rapidly evolving landscape of next generation networks. The main objective of this FDP is to explore the possibilities and challenges in the field of 5G and Beyond. 5G and Beyond is a rapidly evolving interdisciplinary field that involves technical aspects of 5G, including its architecture, spectrum bands, and core technologies. Advancements in this field have led to breakthroughs in areas such as telecommunications, medicine, sensing, and energy. This course offers a platform to provide faculty members an exposure of novel contributions while also addressing the diverse challenges within the realm of 5G and Beyond. This course is intended to promote collaboration among faculty members and explore interdisciplinary research opportunities. It seeks to encourage participants to work together on joint research projects, apply for grants, and publish papers collaboratively.
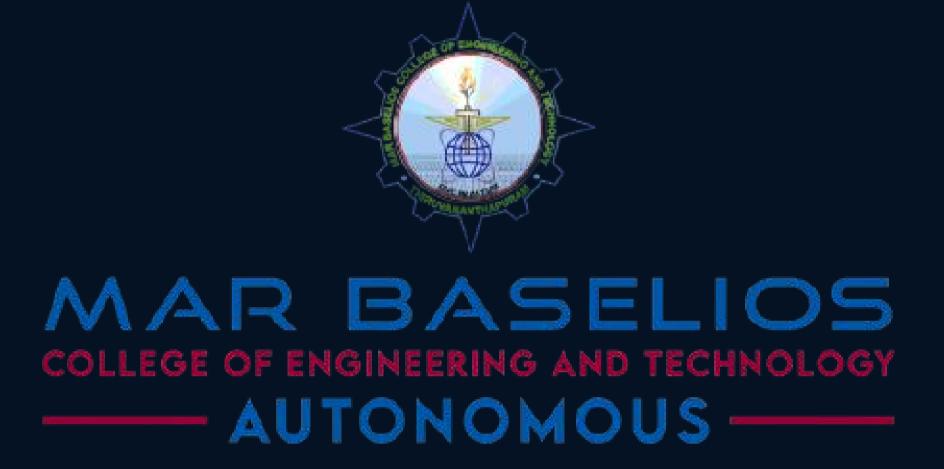
Registration Procedure

Participants have to register on the AICTE portal for participating in this FDP (Registration link: https://atalacademy.aicte-india.org/). There is no registration fee to attend this program. The total No. of Seats for the program is 50.

5G and Beyond: Research Directions and Opportunities

2 - 7 December, 2024

Organized by
Department of Electronics and Communication Engineering

MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

Affiliated to APJ Abdul Kalam Technological University

Vision:
To be a Centre of Excellence in Electronics and Communication Engineering Education and Research for the service of humanity.
Mission:
To provide quality Engineering Education and to carry out Research in the field of Electronics and Communication Engineering addressing the challenges faced by the society.

About the Institute

Mar Baselios College of Engineering and Technology (MBCET) was established in 2002 by the Major Archdiocese of Trivandrum, after realizing the need for an agency to encounter the challenges in Engineering Education in the changing social scenario. Set against the backdrop of the serene and panoramic Mar Ivanios Vidyanagar at Nalanchira, College is enjoying a pride of place in Thiruvananthapuram city. Campus provides an ideal milieu for academic pursuits and is just 5 km away from the heart of the city. Clean campus, aesthetically designed buildings and the proximity to the Technopark add value to the plan to study here. MBCET is committed to provide an educational ecosystem to equip the young aspirants with knowledge, skills and ethical values, for a successful career in the technology driven world and work for the humanity.

About the Department

Started in 2002, Department of Electronics and Communication Engineering (ECE) continuously strive to excel. The 4 year programme of B.Tech in ECE has been designed to give the students both the theoretical and practical knowledge in all frontier areas of the technology and engineering in the domains of Electronics and communication, so that the students can be princely placed in a high pedestal, in this new era of digital technology. The Department has well-qualified and competent faculty with specializations in the core areas of electronics, microelectronics, communication, computer engineering and are engaged in the pursuit of works in the new generation communication, signal Processing, VLSI, Embedded Systems, biomedical engineering, automation, IoT and so on. Department has well-equipped laboratories including industry sponsored lab under INTEL Unnati scheme and active linkage with the industries and R&D organizations. The international tie up with universities abroad has opened up avenues for research in cutting edge areas of wireless communication.

Lodging, Boarding and Travel

The course includes working lunch, tea and course material. Participants will have to bear their accommodation expenses. Travel expenses will be provided as per ATAL FDP norms.

Coordinator

Programme Coordinator :
Dr. Swapna P.S
Associate Professor, Dept. of ECE, MBCET

Programme Co-Coordinator :
Dr. Vineetha Mathai
Assistant Professor, Dept. of ECE, MBCET

CONTACT US

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Important Dates

- Application Submission : 20-11-2024
- Selection intimation by email : 21-11-2024
- Participant confirmation by email : 25-11-2024

Scan here to register