ABOUT ANNA UNIVERSITY

Anna University was established on 4th September 1978. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. At present, the University has over 500+ self-financing colleges, and 13 Constituent Colleges along with four university campus.

ABOUT MIT CAMPUS

Madras Institute of Technology is one of the premier technical institutions started in the year 1949 by Shri. C. Rajam, an eminent industrialist. The institute is established as a result of a bold experiment in technical education as it introduced for the first time, totally unconventional Engineering courses such as Aeronautical Engineering, Automobile Engineering, Electronics Engineering and Instrumentation Engineering. It was merged with Anna University in the year 1978. The institute is known for producing eminent scientists like Dr. APJ Abdul Kalam & Dr. K Sivan. This Institution is accredited by NAAC with A++ grade.

ABOUT THE DEPARTMENT

The Department of Electronics Engineering established in the year 1949, has its core strength in the leading areas of Electronics and Communication technology. The academic programmes offered in the Department are B.E (Electronics and Communication Engineering), M.E (Communication and Networking), M. E. (Wireless Technologies) and M. E. (VLSI Design and Embedded Systems). The cutting edge research areas include Image Processing, Pattern Recognition, Communication Technologies, Network Security, Sensor Networks, RF & Optical Communication, Signal Processing, and VLSI. The Department has collaborative partners from academia and industry both within India and worldwide. The department is supported by DST-FIST and UGC-DRS-SAP Phase – II. The UG program offered by the Department has been accredited by NBA (Tier-I) for 6 years.

ABOUT THE FDP

This FDP is intended to provide opportunity for faculty members to enrich their knowledge in the thrust areas. This course offers a platform for the faculty to exchange ideas on the state-of-the- art research and development to identify challenges and future research in Next generation telecommunications - advancements, challenges and its future prospects. This FDP facilitates the importance of 5G, 6G, IoT and ML. The participants will have opportunity to have direct interactions with industry and R&D experts from reputed organization in the current industrial trends. The participants also get an overview on SDR and hands-on training on setting up an end-to-end wireless communication system and explore its applications for future wireless systems.

LOCATION

Madras Institute of Technology campus is located in Chromepet, Chennai, Tamil Nadu, India and the campus is adjacent to Chromepet railway station.

COURSE CONTENTS

- Sessions by Industry & Academic R&D experts on Evolution of 5G to 6G
- Future wireless technologies
- Massive MIMO in 5G communication
- Error correcting codes for 5G communication
- Metaverse next generation of internet
- IoE 6G
- Federated learning in recent communication
- Discussion on Journal Articles
- Research methodology and IPR
- Industrial visit to R&D and live problem solving

RESOURCE PERSONS

Sessions will be handled by faculty members from IIT, NIT, IIIT, Academic R&D expert and experts from Industries of high repute, R&D organizations are invited to deliver the lectures in this FDP program.

AICTE Training and Learning (ATAL) Academy

Sponsored Faculty Development Programme on

Next Generation Telecommunications - Advancements, Challenges, and Future Prospects

(Physical mode)

25.11.2024 to 30.11.2024

Organized by

Department of Electronics Engineering
MIT Campus, Anna University

Coordinator

Dr. S. Vasuhi
Professor, Department of Electronics Engineering, MIT Campus

Co - Coordinator

Dr. G. Balamurugan
Assistant Professor, Department of Electronics Engineering, MIT Campus

TARGETED PARTICIPANTS

Assistant Professor / Associate Professor / Research Scholars / PG Students from Engineering Institutions are eligible to apply for the FDP

REGISTRATION FEE

No registration fee for participation. Boarding and lodging will be provided to the participants in the college campus. Accommodation will be provided at nominal cost. Travel expenses will be provided as per ATAL FDP norms Registration can be done only through ATAL website.

https://atalacademy.aicte-india.org/login

SELECTION

Candidates satisfying the eligibility criteria will be selected on First-come-first-served basis. The total number of registrations is restricted to a maximum of 50. Selected candidates will be intimated by email only. Confirmation of participation is to be made by email within the mentioned date positively. The participants should submit the authorization certificate signed from the principal on day-1 of the FDP.

SUCCESSFUL COMPLETION

The certificate shall be issued by the ATAL Academy to participants who have attended the programme with minimum 80% attendance and secured minimum 70% mark in assessment and other research activities.

IMPORTANT DATES

Application submission	15.11.2024
Selection Intimation by email	16.11.2024
Participant confirmation by email	19.11.2024

ADDRESS FOR COMMUNICATION

The Coordinator, ATAL FDP
Department of Electronics Engineering,
MIT Campus, Anna University, Chromepet,
Chennai-600044
E-mail: atalmitannauniversity@gmail.com
Phone: 044-22516096 / 044-22516239
Mobile: 9443798421 / 9176030069

ORGANIZING COMMITTEE

CHIEF PATRON:
CONVENOR COMMITTEE MEMBERS
Anna University

PATRON:
Prof. J.PRAKASH
Registrar, Anna University

CO-PATRON:
Prof.K. RAVICHANDRAN
Dean, MIT Campus, Anna University

CHAIR:
Prof. P.VANAJA RANJAN
Director, CFPD

CHAIRMAN:
Prof. D. MEGANATHAN
Head, Department of Electronics, MIT Campus

COORDINATOR:
Dr. S. VASUHI, Professor,
Department of Electronics Engineering, MIT

CO-COORDINATOR:
Dr. G. BALAMURUGAN, Assistant Professor,
Department of Electronics Engineering, MIT

AICTE Training and Learning (ATAL) Academy

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DECLARATION

I declare that all the details furnished in my application are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of FDP under ATAL Academy.

Date:

Place: Signature of the Participant

AUTHORIZATION CERTIFICATE

This is to certify that _____, working as _____ in the department of _____ is a regular employee of our institution and is hereby permitted to attend the ATAL FDP on "Next Generation Telecommunications - Advancements, Challenges, And Future Prospects" from 25.11.2024 to 30.11.2024, at Department of Electronics Engineering, MIT Campus, Anna University, Chromepet, Chennai – 600 044.

Date: Signature of the competent
Place:

Authority with seal