5-Day FACULTY DEVELOPMENT PROGRAM (FDP)

ON

Advances in 6G Wireless Communication and Networking

15th to 19th Dec' 2025 (Revised)

Organized by

CENTRE FOR TRAINING AND LEARNING, NIT Warangal

(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)

in association with

St. Mary's Women's Engineering College Guntur

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Ministry of Education, through its scheme *"Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)".* Under this Scheme, a separate building has been built exclusively for the CTL activities, with the state-of-art training facilities that include a studio for production and uploading of video and e-lectures on various subjects of higher education, training halls to train the faculty in various theme areas of Science and Technology, humanities and social sciences, linguistics and communication skills, pedagogy and cognition evaluation, etc. among others. One of the important objectives of the Centre is to conduct training programmes for the aspiring, newly inducted and in-service faculty in science, engineering, social sciences disciplines in higher education. Other activities of the CTL include preparation of print and e-learning materials, offering on-line courses, curriculum design, carrying out research in educational technology and pedagogy and integrating with ICT into teaching-learning process. The CTL has special programmes of training for the marginalized and women-faculty.

About FDP:

Representatives of industries and academia have started to look into the technological developments toward the next generation (5G & 6G), as the rollout of 4G mobile communication networks take place. As a part of that, this FDP aims at providing strong theoretical background along with practical experience in the field of 5G/6G wireless Communication. Also, in this FDP; leaders in the field describe state-of-the-art research in applying the latest methodologies in the context of tomorrow's most important wireless applications, ranging from next-generation cellular telephony and personal communication services, to nomadic computing and wireless multimedia.

Major Course Contents:

- 5G/6G introduction, and its key features
- Modulation & Multiple Access Waveforms
- UAV communication
- mm wave communication
- Resource allocation in Beyond 5G Networks
- 5G/6G Architectures
- Antenna technologies used in 5G
- Hands-on Experience

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal and Academicians in the concerned field from IITs/NITs/IIITs have been invited to deliver lectures in the programme

Registration Fee Particulars:

Faculty	**Rs.1180/-**
Students / Research Scholars	**Rs. 590/-**
Industry Participants	**Rs. 2360/-**

Registration fees includes GST. Participants need to pay the registration fees online using the following details

Online Transfer Details

Account Name: **HEAD, CTL NITW**
Account No: **40376545007**
IFSC: **SBIN0020149**
Bank and Branch: **SBI, NIT (REC) Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link:
https://forms.gle/Djw9gzGqjfvfWnUJ7

Selection Criteria:

Selection will be done based on first-come-first-serve to a minimum number of 50 (fifty) Faculty/industry participants. Additionally, students/PhD scholars are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course.

Important dates: (Revised)

Last date (Application & DD)	**12th Dec' 2025**
Selection List by E- mail	**13th Dec' 2025**

About NIT Warangal:

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 31 post-graduate programs besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and research laboratories.

About St. Mary's Women's Engineering College

St. Mary's Women's Engineering College was established in the year 2008 by St. Mary's group of Institutions. It is promoted by the well- known Educationalist and Philanthropists Sri Dr. Rev. K. V. K. Rao, Honorable Founder Chairman, Smt. K. V. N. Bharathi Devi, Honorable Co-Founder. Mr. K. Joseph Sri Harsha, was the Honorable Secretary, Mrs. Mary Indraja was the Honorable Director, and Dr. David Solomon Raju Yellampalli is the Principal. College of Engineering has well equipped laboratories, library, fully furnished class rooms, staff rooms, dedicated faculty and other facilities. The College is approved by the All India Council for Technical Education, New Delhi and Accredited by NAAC Grade and is affiliated to JNTU, Kakinada. STMW offers CME, AI & ML, CCBD in Diploma and ECE, CSE, Ai & ML, Ai & DS in B. Tech. CSE, AI & DS in M. Tech. General and BDA in MBA. BBA and BCA in Degree. The College strives to impart qualitative technical education through innovative teaching methodologies. STMW is an inspiring institute with the state-of-the-art facilities for students to meet the requirements of the industry.

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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
6. Payment Details
   Reference No:
   Amount:
   Bank :
   Date:
7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
12. Teaching: Research: Industry:

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

Date:
Place: **Signature of the Applicant**

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on" **Advances in 6G Wireless Communication and Networking"**, sponsored by the Centre for Training and Learning (CTL) during **15th Dec' to 19th Dec' 2025** at St. Mary's Women's Engineering College.

Signature of Head of Institution
(with seal)

Address for correspondence

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It is requested to all the delegates that, after completion of application form, all the payment details, screenshot of the payment and scanned application form must be uploaded in the following online registration link.

Registration Link: https://forms.gle/Djw9gzGqjfvfWnUJ7

For more details about CTL of NIT Warangal, please visit:
https://nitw.ac.in/ctlcenter

For more enquiries please contact:

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