# FACULTY DEVELOPMENT PROGRAM (FDP)
# ON
# UAV-Enabled Wireless Communication : Concepts,Challenges, and Research Opportunities (Online mode)

**(13th Oct 2025 to 17th Oct 2025)**

Organized by

## ECE Department, NIT-Warangal &

## Siddhartha Academy of Higher Education (Deemed to be University)

in association with

## CENTRE FOR TRAINING AND LEARNING, NIT Warangal

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

**Preamble:**

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Min. 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/-** |

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/QHbZHcgmvdZY8qkk7

**Selection Criteria:**

Selection will be done based on first-come-first-serve to a maximum number of 50 (fifty). Additionally, 10 participants from industry 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. Reservations are followed for selecting candidates as per GOI norms.

**Important dates:**

| | |
|---|---|
| **Last date (Application & DD)** | 10th Oct 2025 |
| **Selection List by E- mail** | 11th Oct 2025 |
| **Duration** | 13th Oct 2025 to 17th Oct 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 Siddhartha Academy of Higher Education :**

Sri Siddhartha Academy of Higher Education(SSAHE), Deemed to be University was established on 30/05/2008. Sri Siddhartha Medical College and Sri Siddhartha Dental College have been functioning as constituent colleges of Sri Siddhartha Academy of Higher Education since 01/06/2008. At SSAHE the focus goes beyond education. SSAHE aims to prepare students for life – ingraining in them the psyche of the eternal student – Making them a Leader; A Leader who is ever a learner, driven by thirst for knowledge; a passion to excel and ignited with the desire to achieve success – Success for Life.

# FACULTY DEVELOPMENT PROGRAMME (FDP)

## ON

# UAV-Enabled Wireless Communication : Concepts,Challenges, and Research Opportunities

**(Online mode from 13th Oct 2025 to 17th Oct 2025)**

Organized by

## ECE Department, NIT-Warangal &

## Siddhartha Academy of Higher Education (Deemed to be University)

**in association with**

## CENTRE FOR TRAINING AND LEARNING, NIT Warangal

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

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 "UAV-Enabled Wireless Communication : Concepts, challenges, and Research Opportunities", sponsored by the Centre for Training and Learning (CTL) during 13th to 17th Oct 2025 (in online mode)

**Signature of Head of Institution (with seal)**

**Address for correspondence**

Dr. Kalpana Naidu,
ECE Department,
NIT-Warangal;
Hanamkonda, Telangana (State), India --- 506004.
Phone number: 9393941144; E-mail: kalpana@nitw.ac.in

It is requested to all the delegates, 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/QHbZHcgmvdZY8qkk7**

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

**For more enquiries please contact:**
Dr. Kalpana Naidu, Coordinator; Phone no.: 9393941144 (or)
Prof. M. Sailaja kumari ,
Professor and Head, CTL
**Mobile: 0870 2462686**
**Email: ctl_hod@nitw.ac.in**

## Coordinators


Dr. Kalpana Naidu
ECE Department
NIT-Warangal, Hanamkonda
Telangana (State), India --- 506004.
Mobile: **9393941144**
Email: kalpana@nitw.ac.in

Dr. Kota Nageswara Rao
M. Tech, Ph. D.,
Assistant Professor, Dept. of ECE
Siddhartha Academy of Higher Education
(Deemed to be University)
Andhra Pradesh (State), India.
Mobile: 9951967479
Email: kota.nageswararao@vrsiddhartha.ac.in