

**A ONE-WEEK NATIONAL LEVEL  
FACULTY DEVELOPMENT PROGRAM  
ON  
ADVANCED WIRELESS  
COMMUNICATIONS AND NETWORKS  
(AWCN)  
(17<sup>th</sup> to 22<sup>nd</sup> August 2020)**



**Organized by:**

**Department of Electronics and Communication  
Engineering**



**VIGNAN'S NIRULA INSTITUTE OF  
TECHNOLOGY AND SCIENCE FOR WOMEN**

**An ISO 9001:2015 Certified Institution**

**(Approved by AICTE, New Delhi & Affiliated to JNTU,  
KAKINADA)**

**Pedapalakaruru, Guntur**

**Web: [www.vignannirula.org](http://www.vignannirula.org), Email: [ece.nirula@gmail.com](mailto:ece.nirula@gmail.com)**

**About the Institute**

Vignan's Nirula Institute of Technology & Science for Women, was established in the year 2008 under the aegis of Lavu Educational Society and headed by experienced academician and visionary Dr. Lavu Rathaiah. It marks the most sought-after choice for girl students aspiring to pursue quality Engineering education. Splendid Avenue, imposing buildings, and a hassle-free ride close to five minutes from Guntur make it one of the most preferred options for the aspirants. It is affiliated to JNTUK, Kakinada and approved by AICTE. This institute offers courses at the UG level in four areas of engineering (CSE, ECE, EEE, IT), at the PG level in two areas of M.Tech (CSE & DECS) and MBA. The library is equipped with adequate volumes of books, journals with digital library facility.

**About the Department**

The department of ECE was established during the inception of the institute in 2008. The laboratories are well equipped that cater to the requirements of the university syllabus. The department also offers post graduate program in Digital Electronics and Communication Systems (DECS). The main goal of the department is to produce young engineers of high knowledge, competent and resourceful who can execute well in variety of jobs. To achieve this goal the department is making committed efforts in nurturing a formidable base both in analytical and technological aspects. Every year our students secure placements in reputed MNCs and some are going for higher education. The Department is establishing the practice of inviting specialists from other reputed institutions to deliver extension lectures on topics of current interest and future importance to kindle the enthusiasm of the students and staff.

**About the FDP:**

The complexity of wireless communication system has grown considerably during the past decades. The emergence of a variety of new technologies such as fast and inexpensive hardware for processing of data/information had significant impact on implementation of communication systems. The field of communication and networks is driving the world, in particular, wireless communication and computer technology. The goal of this FDP is to unite the faculty and researchers around the country to discuss latest trends & technology available for Wireless Communications and Networks. The FDP is intended to give the participants a focused view on the role played by Wireless Communications and Networks. The FDP will provide the opportunities to flourish the knowledge and pursue research in this area. Each session is enriched with the well-experienced resource person who has great skill set in Electronics and Communication.

**Topics to be covered in FDP:**

- **Co-operative communications in 5G technologies**
- **Application of soft-computing algorithms in the next generation wireless networks.**
- **Spectrum Handoff in Cognitive Radio Networks**
- **Wireless Magnetic Induction Communication technique for non-conventional media**
- **Energy efficient design of WSNs: A communication technique perspective.**

### Resource Persons:

- 1) **Dr. Kiran Kumar Gurrala**  
Department of ECE,  
NIT, Andhra Pradesh, India
- 2) **Dr. Vinay Kumar**  
Department of ECE,  
NIT, Allahabad, India
- 3) **Dr. Arun Prakash**  
Department of ECE  
NIT, Allahabad, India

### Organizing Committee:

#### Chief Patrons

**Dr. L. Rathaiah**  
Chairman

#### Patron

**Sri. L. Sri Krishnadevarayalu**  
Vice-Chairman

#### Principal

**Dr. P. Radhika**

#### Convener

**Dr. G. Sandhya, HOD**

### Coordinators:

1. Mrs. B.M.S.Rani, Asst.Prof
2. Mr. P.Balakrishna, Asst.Prof
3. Mr. N.Durga Rao, Asst.Prof
4. Mr. A.Srinag, Asst.Prof

5. Mr. P. Ganesh Babu , Asst. Prof
6. Mr. M. Rabbani, Asst. Prof
7. Mr. E. Bhanu Prasad, Asst. Prof
8. Mrs. P. Malleswari, Asst. Prof
9. Mr. K. Joel Abhishek, Asst. Prof
10. Mr. T. Vamsi Krishna, Asst. Prof
11. Mrs. K. Hemalatha, Asst. Prof
12. Mr. G. Sai Ganesh, Asst. Prof

### Members:

All the Teaching & Non-Teaching Staff of ECE department.

### Registration:

Interested candidates may register at <https://forms.gle/7zpMHiUgKAgdgW26> by paying a registration fee of Rs. 100 online via Google pay Number: 8886814567, Name: Nagayalanka Durga Rao.

### Important Dates:

Last date to register	14/08/2020
Date of confirmation	15/08/2020
Sending Joining link	16/08/2020
Date of Commencement of FDP	17/08/2020

### Online FDP Timings:

Every day from 10:00AM to 12:00PM, followed by question and answers session.

### Who can attend?

The program will be highly informative for the faculty members and administrative leaders from academic institutions, AICTE approved Engineering Colleges, working professionals from industry / R&D / Other organisations and other allied disciplines in India and in other countries. It is very much useful for the research scholars, PG students working in various specializations.

### Certification:

E-Certificate will be provided to all registered participants those who attend and submit feedback form daily.

### For any queries contact:

Mobile Numbers: 9666249483  
9502736002  
7382635228  
8886814567

Email Id: [awcnfdp2020@gmail.com](mailto:awcnfdp2020@gmail.com)

