



# FACULTY DEVELOPMENT PROGRAMME (FDP) ON Practical RF Antenna Design with Simulation Studies (18-12-2017 to 23-12-2017)



**Organized by  
Matrusri Engineering College, Sadiabad, Hyderabad**

**in association with  
National Institute of Technology, Warangal.**

**Under the Scheme of Electronics & ICT Academy**

**(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)**

### Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, Gol. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

The proposed faculty development programme (FDP) is devoted to the fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects in the usage of advanced tools and techniques for the Design of Practical RF antennas. FDP provides an exposure to new areas of research and development being carried out in universities abroad and rest of the world. FDP enhances the research competence of faculty in the areas of RF antennas by providing exposure to practical problems and solutions, through case studies and live projects.

### Major Course Contents:

- Antenna Fundamentals
- Antenna Parameters and Measurements
- HF, VHF & Multiband Antennas Design
- Dual and Circularly Polarized Antenna Design
- Antenna Array Design, Radome Design
- Antenna Miniaturization Techniques
- Computational Electromagnetics (CEM)
- IoT Antennas Design
- Antennas for Defense & Missile applications
- Modeling & Simulations studies of Antennae

### Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

### Eligibility:

The programme is open to the faculty of Engineering Colleges, MCA Colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry, Andaman and Nicobar Islands. Industry personnel working in the concerned /allied discipline can also attend.

### Registration Fee Particulars:

Faculty and Research Scholars from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 2500/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 1250/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs. 7500/-
Participants from other states	Rs. 8500/-

SC/ST concession is only for faculty of mentioned states. Research Scholars are not eligible for SC/ST concession.

The participants need to send a crossed demand draft (DD) drawn in favor of "Director, NIT Warangal" and payable at SBI, NIT Warangal branch.

### Organized at:

The programme will be coordinated and conducted by Department of Electronics and Communication Engineering of **Matrusri Engineering College, Saidabad, Hyderabad**. The whole course is handled by academicians from premier institutions, Industry experts and Research advisors.

### Accommodation:

All the selected participants will be provided FREE boarding & lodging in nearby Lodges. No TA will be paid for the participants.

### How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to [rfantenna2017@gmail.com](mailto:rfantenna2017@gmail.com) as selection will be intimated only through mail.

### Selection Criteria:

Selection will be done based on first-come-first-serve basis 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 a candidate is not selected, the DD will be sent back. Candidates will be issued certificates on successful completion of the course. The grade obtained in the test will be posted on the certificate. Reservations are followed for selecting candidates as per GOI norms.

### Important dates:

Last date (Application & DD)	12 <sup>th</sup> December 2017
Selection List by E- mail	15 <sup>th</sup> December 2017
Duration	18 <sup>th</sup> December to 23 <sup>rd</sup> December 2017

### About NIT Warangal:

**National Institute of Technology, Warangal** is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations. All eligible B.Tech and M. Tech programmes of NIT Warangal are NBA accredited.

### About Matrusri Engineering College:

It was with a lofty vision coupled with a sublime mission that a galaxy of farsighted and distinguished engineers, doctors, accountants, lawyers, businessmen and administrators of Hyderabad established the Matrusri Educational society in 1980 which founded Matrusri Engineering College, at Saidabad in Hyderabad in 2011 offering BE courses in Civil Engineering, Computer Sciences & Engineering, Electrical & Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering. The college runs with the elevated aim of being a pioneer in technical education with a team of highly qualified and experienced faculty members and state of the art equipment in all departments. The college takes the pride of sending out 3 batches of students, many of whom have taken their engineering degrees with flying colors making the flag of the college fly aloft.



## APPLICATION FORM



# FACULTY DEVELOPMENT PROGRAMME(FDP) ON Practical RF Antenna Design with Simulation Studies

18-12-2017 to 23-12-2017

Organized by  
**Matrusri Engineering College, Saidabad, Hyderabad**  
in association with  
**E & ICT Academy, NIT Warangal**

1. Name :
2. Designation :
3. Institution :
4. Email :
5. DD. No:            Bank:            Date:

Amount:

6. Address for Correspondence:

7. Educational Qualification:
8. Subjects taught so far:
9. No. of refresher courses/workshops attended:
10. Experience (in years):  
Teaching:      Research:      Industry:

11. Accommodation required:    YES /NO
  12. Do you belong to SC/ST :    YES /NO
- (If yes, please specify and attach a copy of caste certificate to claim the concession)

### 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.

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 "**Practical RF Antenna Design with Simulation Studies**", sponsored by Electronics & ICT Academy during **18-12-2017 to 23-12-2017**

Signature of Head of Institution  
(with seal)

### Address for correspondence

Post your application form with DD to  
**Dr. NUKALA SRINIVASA RAO**  
Professor, Department of ECE,  
MATRUSRI ENGG COLLEGE  
16-1-486, Saidabad, Hyderabad-500059  
srinivasa.nookala@gmail.com  
Mobile : 09491877548, 09966403647  
Workshop Email:rfantenna2017@gmail.com

E-mail the scanned copies of filled-in  
and duly signed application form along  
with DD to [rfantenna2017@gmail.com](mailto:rfantenna2017@gmail.com)

For more details about Electronics & ICT  
Academy, NIT, Warangal, please visit:  
<https://nitw.ac.in/eict>

For more enquiries please contact:  
Mobile: +91-9491877548

## Coordinators

**Prof. N. V. S. N. SARMA**  
Professor  
Dept. of ECE  
NIT, Warangal

**Dr. NUKALA SRINIVASA RAO**  
Professor  
Dept. of ECE,  
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