**AICTE Sponsored**

**ONE WEEK NATIONAL LEVEL ONLINE SHORT TERM TRAINING PROGRAM**

**on**

**Trends and challenges in Design and Implementation of Reconfigurable Antennas for Increased**

**Spectrum Access in Cognitive Radio Communication Dt: 24th -29thAugust 2020**

**STTP-II**

**Online Platform : ZOOM**

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| **Date** | **Expert Details** | **Timings** | **Module Content** |
| **Day- 1** **Monday****24.08.2020** | **Er. Samar Shailendra**Scientist at TCS Research & Innovation & Visiting faculty at IIIT Bangalore | 10 AM to 11.30AM  | Role of AI in 5G – Opportunities and Challenges |
| **Dr. D Vakula**, Assoc. Prof., NITW, Warangal | 2.30PM to4.00PM  | Reconfigurable  Antennas- Part II |
| **Day-2** **Tuesday****25.08.2020** | **Dr. G. Rama Murthy,** Professor Dept. of CSE, Mahindra University, Hyderabad | 10AM to 11.30AM  | Cognitive  Radio:   Reconfigurable  Antennas:  Spectrum  Sensing |
| 2.30PM to 4.00PM | Reconfigurable  Antennas : Time  Optimal  Spectrum  Sensing |
| **Day-3****Wednesday****26.08.2020** | **Dr. D Vakula**, Assoc. Prof., NITW, Warangal | 10.AM to 11.30AM  | Reconfigurable  Antennas- Part II |
| **Er. Shashikumar R** Application EngineerEntupleTechnologies, Bangalore | 2.30PM to 4.00PM  | Design of Microstrip Patch Antenna using Probe feed using HFSS |
| **Day-4** **Thursday****27.08.2020** | **Mr Hemant Katakkar,** Director. Technical, Akademika**Ms Kalyani** , Application Engineer**,** Akademika**Mr Shankar Nair**, Director, Sales & Marketing Akademika | 10AM to 11.30AM  | SDR – Fundamentals, Hardware Configuration |
| 2.30PM to 4.00PM  | GNU Radio |
| **Day-5****Friday****28.08.2020** | **Dr.P. Sreehari Rao ,** Assoc. Prof, NITW, Waranga | 10AM to11.30AM  | Aspects of RF IC design |
| **Er. M.Vinoth Manoharan** , Co-Founder & CTOWilma Comm unications Groups (Asia | US | Europe) | 2.30PM to 4.00PM  | Challenges in Reconfigurable antenna design  |
| **Day-6****Saturday****29.08.2020** | **Dr. Abhinav Kumar,** Associate Professor, Department of Electrical Engg., IIT Hyderabad,  | 10AM to11.30AM  | Cellular networks operation on the unlicensed spectrum |
| **Er. M.Vinoth Manoharan** , Co-Founder & CTOWilma Comm unications Groups (Asia | US | Europe) | 2.30PM to 4.00PM  | Application about Reconfigurable antenna in Cognitive radio Communication |