**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 Engineer  EntupleTechnologies, 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 & CTO  Wilma 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 & CTO  Wilma Comm unications Groups (Asia | US | Europe) | 2.30PM to 4.00PM | Application about Reconfigurable antenna in Cognitive radio Communication |