

## CONDUCTED WORKSHOPS, FACULTY TRAINING PROGRAMS, CERTIFICATION PROGRAMS, STTPS

Sr. No	Title	Coordinator/s	Resource Person/s	Sponsorer/ Association	Target participants	No. of participants	Funds Generated in Rs.	Academic Year
1	Online One Week, AICTE Sponsored Short Term Training Program on “Energy Efficient Techniques for 5G Wireless Communication ” 07 <sup>th</sup> – 12 <sup>th</sup> December, 2020.	Dr Y Ravinder Mr Zakee Ahmed, Mr Ajinkya Rasal, Mr R N Shriwas	Dr. Prabhu Chandhar, Chandhar Research Labs, Chennai Dr R A Patil, Associate Professor, GCoEP, Pune Dr Subbarao, Mahindra University, Hyderabad Prof Ribhu, IIT Guwahati Dr Sonali Chouhan, IIT Guwahati Dr A V Babu, NIT Calicut Mr Amal Sebastian Avgarde Systems Pvt Ltd, Bangalore Dr Rajarshi Mahapatra, IIIT Naya Raipur Dr Amrita Mishra, IIIT Naya Raipur Mr Nilutpal Choudhury	AICTE	Faculty	55	Rs 3,80,000/- AICTE Sponsorship	2020-21

			<p>Avgarde Systems Pvt Ltd, Bangalore  Dr Krishna Chaitanya Bulusu, Mahindra University, Hyderabad  Dr. Sathish Babu, Chandhar Research Labs, Chennai  Mr Nishant Gumber, Qorvo, Inc. Apopka, Florida  Dr Vaibhav Hendre, GHRCEM, Pune</p>					
2	<p>Online One Week, AICTE Sponsored Short Term Training Program on “Energy Efficient Techniques for 5G Wireless Communication ”  05<sup>th</sup> – 10<sup>th</sup> October, 2020.</p>	<p>Dr Y Ravinder  Mr Zakee Ahmed,  Mr Ajinkya Rasal,  Mr R N Shriwas</p>	<p>Prof Shankar Prakriya, IIT Delhi,  Prof Sanjeev Gurugopinath, PES Bangalore,  Prof A V Kulkarni, DYPIT, Pune  Prof Abhinav Kumar, IITH  Prof Saidhiraj, IITH  Prof Rajeshree Raut, GCoE Nagpur,  Prof Harigovindan, NIT Puducherry,  Prof Kalapraveen Bagadi, VIT Vellore</p>	AICTE	Faculty	58	<p>Rs 3,80,000/-  AICTE Sponsorship</p>	<p>2020-21  <a href="#">Report</a></p>
3	<p>Online One Week,</p>	<p>Dr Y Ravinder  Mr Zakee Ahmed,</p>	<p>Prof Shankar Prakriya, IIT Delhi,</p>	AICTE	Faculty	58	<p>Rs 3,80,000/-</p>	<p>2020-21  <a href="#">Report</a></p>

	<p>AICTE Sponsored Short Term Training Program on “Energy Efficient Techniques for 5G Wireless Communication ”</p> <p>17<sup>th</sup> -22<sup>nd</sup> August, 2020</p>	<p>Mr Ajinkya Rasal, Mr R N Shriwas</p>	<p>Prof Sanjeev Gurugopinath, PES Bangalore, Prof A V Kulkarni, DYPIT, Pune Prof Abhinav Kumar, IITH Prof Saidhiraj, IITH Prof Rajeshree Raut, GCoE Nagpur, Prof Harigovindan, NIT Puducherry, Prof Kalapraveen Bagadi, VIT Vellore</p>				<p>AICTE Sponsorship</p>	
4	<p>Certificate Course on “ Design, Simulation &amp; Fabrication of Antenna”</p>	<p>1)Dr. S. V. Gaikwad HOD, E&amp;TC, PICT, Pune; 2) Mr. Shahadev Hake Asst. Professor E&amp;TC, Dept. PICT, Pune</p>	<p>1)Dr. S. V. Gaikwad HOD, E&amp;TC, PICT, Pune; 2) Mr. Shahadev Hake Asst. Professor E&amp;TC, Dept. PICT, Pune; 3) Mr. Swapnil Gaul Founder/Director NUMEREGION; 4) Mr. Harshad Hanmante Junior research fellow, Indian Institute of tropical Meteorology, Pune 5)Mr. Vishal Padwal ME(E&amp;TC) Microwave</p>	----	Students	22	2178/-	2020-21

5	LabVIEW: Modern Tools and Techniques in Engineering Education.	Dr. Y. Ravinder, Zakee Ahmed, Mr. A.S. Rasal	Dr. Y. Ravinder Zakee Ahmed, Mr. A.S. Rasal	I.E.T.E. and E&TC Dept. MIT A'bad	Faculty	20	6,750/-	2017-18
6	Cognitive Radio Techniques for 5G wireless communication	Dr. M.V. Munot	Dr. Shabbir Merchant IITB, Dr.Sanjeev Guru Gopinath PES College, B'glore	AICTE	Faculty	29+ (5 PICT Staff)	14500/-	2017-18
7	CLAD (Certified LabVIEW Associate Developer) Training Program-17	Mr. Zakee Ahmed, Mr. Ajinkya Rasal	Mr. Zakee Ahmed, Mr. Ajinkya Rasal	National Instruments	Faculty staff of E&TC Department	10	Nil	2016-17
8	Software Defined Radio with LabVIEW and NI USRP	Dr. Y. Ravinder, Mr. Zakee Ahmed, Mr. A.S. Rasal	Dr. Y. Ravinder, Mr. P. S. Varade, Mr. Hiremath	IET Pune, E&TC Dept, PICT	Faculty	30	3008/-	2016-17
9	Fundamentals of LabVIEW for graphical programming	Mr. Zakee Ahmed, Mr. A.S. Rasal, Mr. Nilesh Shirude	Mr. Zakee Ahmed, Mr. A.S. Rasal, Mr. Nilesh Shirude	E&TC Dept, PICT	S..E Students	10	5250/-	2016-17
10	CLAD (Certified LabVIEW Associate Developer) Training Program-16	Mr. Zakee Ahmed, Mr. Ajinkya Rasal	Mr. Zakee Ahmed, Mr. A.S. Rasal, Mr. Nilesh Shirude	National Instruments	Faculty staff of E&TC Department	11	Nil	2015-16

<b>11</b>	A 4- Day “Workshop on LabVIEW with Software Defined Radio Perspective”	Mr. P. S. Varade	Mr. P. S. Varade Mr. Zakee Ahmed, Mr. A.S. Rasal, Mr. Nilesh Shirude	National Instruments	Other college Faculty, Research scholars and PG students	17	11400/-	2015-16
<b>12</b>	A 6 - Day Workshop On “Certificate Course on LabVIEW Primer Training Program	Mr. A.S. Rasal	Mr. Zakee Ahmed, Mr. A.S. Rasal, Mr. Nilesh Shirude	National Instruments	PICT UG Students	41	12300/-	2015-16
<b>13</b>	Certificate Course on “LabVIEW Programming”	Mr. P. S. Varade	Mr. P. S. Varade Mr. V. B. Vaijapurkar Mr. Zakee Ahmed, Mr. A.S. Rasal,	National Instruments	PICT UG Students	43	7740/-	2014-15
<b>14</b>	Faculty Development Workshop on “LabVIEW 2012 Applications”	Dr. Y. Ravinder	Mr. Ashish Gupta, NI-Electro Pvt. Ltd	Dept. of E&TC PICT	PICT Faculty and PG students	24	Nil	2013-14

## Ph.D. Scholars

Sr. No.	PhD Scholar	Topic	Guide Name	Academic Year
1	Mr. P. S. Varade	Optimal Resource Allocation for Cognitive Radio with Green Communication Perspective	Dr. Y. Ravinder	Awarded
2	Ms. Deepa Reddy	Multi Antenna Aided Energy Efficient Spectrum Sensing for Cognitive Radio		Awarded
3	Mr. R. G. Yelalwar	Spectrum Sensing Enhancement using Machine Learning Techniques for Cognitive Radio		In Progress
4	Ms. Manisha Dudhedia	Game theoretic and non-theoretic approaches for optimal resource sharing in cognitive radio		Awarded

## Post graduate:

Sr. No.	Title	Student Name	Guide Name	Academic Year
1	Enhancement of Energy Efficiency and Maximization of Throughput for IOT Networks using ambient backscatter communication	Shrutika Thorve	Dr. P.S.Varade	2020-21
2	Implementation of Genetic Algorithm based Adaptive Channel Equalization Techniques for Software Defined Radio applications.	Gaikar Nikhil Kisan	Dr. Y. Ravinder	2017-18
3	Database assisted resource allocation in cognitive radio	Atalkar Vrushali U.	Dr. P. S. Varade	2017-18
4	Energy Efficient Resource Allocation In Cognitive Radio Networks	Diksha Lad	Dr. Y. Ravinder	2016-17
5	Energy Efficient Allocation In MIMO Systems	Payal Mangale	Dr. Y. Ravinder	2016-17
6	Implementation Of 2x2 MIMO System Using USRP And LabVIEW	Mr.Amol Bhoyar	Dr. Y. Ravinder	2015-16

7	Geolocation Assisted Spectrum Allocation In Cognitive Radio Network	Mr. Himanshu Kulkarni	Dr. Y. Ravinder	2015-16
8	Spectrum Access Techniques For RADAR And TV Bands	Mr. Charudatta Andhare	Dr. Y. Ravinder	2014-15
9	Hardware Implementation Of Energy Efficient Resource Allocation In Cognitive Radio Using Usrc And Labview	Ms. Sukruti Taori	Dr. Y. Ravinder	2014-15
10	Multi-Antenna Assisted Detection Techniques For Next Generation Wireless Communication	Ms. Chetna Sharma	Dr. Y. Ravinder	2014-15
11	Channel Selection Strategy For Cognitive Radio	Ms. Vinaya Deshmukh	Dr. Y. Ravinder	2013-14

### Graduate:

Sr. No.	Title	Student Name	Guide Name	Academic Year
1	Distributed electromagnetic spectrum database based on blockchain	Mahajan Shreyas Patwardhan Aditya Shete Darshan	Dr. Y. Ravinder	2018-19
2	Labview Based Audio Steganography	Kapse Prathamesh Sadanand Hunge Malhar Ravikar	Dr.S.K.Moon	2018-19
3	Throughput Enhancement Using Backoff Algorithm In Cognitive Radio	Bhavesh Dilip Joshi Suraj Mohan Rathod Mandar Sanjay Kandge	Prof.P.S.Varade	2017-18
4	Radiation Pattern Measurement Using USRP	Ingawale Aditya Chopada Yash Jogade Nikhil	Dr.Y.Ravinder	2016-17
5	Implementation Of Channel Estimation Techniques For 2 By 2 MIMO System And It's	Munde Swapnil Shah Smeet Bheokar Nihit	Dr.Y.Ravinder	2016-17

	BER Performance Evaluation Using USRP			
6	Labview Based Patient Monitoring System	Salve Mayuri Patil Avina	Prof. Zakee Ahmed	2016-17
7	Energy Efficient Resource Allocation In Multiuser OFDMA System	Aishwarya Jadhav, Pratik Waghmare And Prasad Tapkir	Dr. Y. Ravinder	2015-16
8	Beam Forming Using USRP And Labview	Ketaki Patil,Sushmita Tayade And Kinjal Shrawagi	Dr. Y. Ravinder	2015-16
9	Efficient Health Data Management Using Reversible Multiple Watermarking Approach (MATLAB,Labview)	Swaraj Rajput Pooja Nikam Uttara Kulkarni	Mrs.M.P.Turuk	2015-16
10	Continuous Gesture Recognition (MATLAB,Labview)	Sapna Chalke Mehzabeen Rakhangi Ashvinee Bhandare	Dr.R.Sreemthy	2015-16
11	Stereo Vision Based Driver Assistance System	Sonal Pardeshi Aisharya Pimpaskar Reshmi Banerjee	Mr.K.V.Sakhare	2015-16
12	Smart Number Plate Recognition	Ayshee Shah Prachi Kelkar Shivang Sharma	Dr.M.V.Munot	2015-16
13	Signal Compression And Hiding In Frequency Domain	Puja Mohite Shivangi Pingle Kiran Nevase	Mrs.M.P.Turuk	2015-16
14	Implementation Of Spectrum Detection Schemes For Cognitive Radio On USRP	Vijay Kamble, Rashmi Kaslikar	Dr. Y. Ravinder	2014-15
15	Mind Controlled Robot Using LABVIEW	Namrata Dhamal Monali Bhorde Bhushan Parakh	Dr. Y. Ravinder	2014-15
16	Channel Selection Strategy For Cognitive Radio.	Parin Shah Suraj Bairagi R. Gokul Krishnan	Prof. P. S. Varade	2014-15
17	Implementation Of Spectrum Detection Schemes For Cognitive Radio On USRP.	VIJAY KAMBLE RASHMI KASLIKAR	Prof. Reddy D. P	2014-15



18	Implementation Of Spectrum Sensing For Cognitive Radio Using USRP And Labview	Siddesh Yawalkar, Apoorva Joshi Nikita Angre	Dr. Y. Ravinder	2013-14
19	Monitoring System For Medical Paramters Using Labview.	Narkar Prajakta Suhas Padole Neha Sunil Pandey Juhi Sanjay	Prof. Vaijapurkar	2013-14

## Preparatory Training Programs

Sr. No.	Topic	Name of the Faculty	Class/ Division	Total participants	Academic Year
1	LabVIEW core -1	Mr. Zakee Ahmed, Mr. Ajinkya Rasal, Mr. Anand Bhosale	SE E&TC(All Divisions)	297	2015-16
2	LabVIEW core -1	Mr. Zakee Ahmed, Mr. Ajinkya Rasal, Mr. Nilesh Shirude, Mr. Anand Bhosale	SE E&TC(All Divisions)	296	2014-15
3	LabVIEW core -1	Mr. Zakee Ahmed, Mr. Ajinkya Rasal, Mr. Nilesh Shirude, Mr. Ashwin Bhandekar	SE E&TC(All Divisions)	303	2013-14

### Opportunities for Collaboration

1. Research Funding
2. Consultancy
3. Corporate/Institutional Training
4. Certificate Programs
5. Internships
6. PhD Programs