



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI COLLEGE OF ENGINEERING



(Recognised by A.I.C.T.E., New Delhi & Govt. of Maharashtra, Affiliated to R.T.M.Nagpur University)

Near CRPF Campus, Hingna Road, Nagpur-440 019, Maharashtra (India)

Phone : 07104 – 236381, 237307, Fax : 07104 – 237681

Summary of last five years and current year completed PhD from PCE research centre

<u>Department/ year</u>	<u>2022-23</u>	<u>2021-22</u>	<u>2020-21</u>	<u>2019-20</u>	<u>2018- 19</u>	<u>2017- 18</u>	<u>Total</u>
Mechanical Engg	0	1	1	4	6	0	12
Electrical Engg	0	4	1	1	2	0	08
Electronics Engg	0	4	7	9	7	7	34
Total	0	9	9	14	15	18	54

Summary of last three years and current year completed PhD from PCE research centre

<u>Department/ year</u>	<u>2022-23</u>	<u>2021-22</u>	<u>2020-21</u>	<u>2019-20</u>	<u>Total</u>
Mechanical Engg	0	1	1	4	6
Electrical Engg	0	4	1	1	6
Electronics Engg	0	4	7	9	20
Total	0	9	9	14	32

List of PhD Scholars Received PhD from PCE centers (Including PCE faculties)

SN	S. N	Year of PhD awarded	Department	Subject	Name of PhD scholar	Name of supervisor/s	Title of PhD thesis
1	1	2021-22	Mechanical	Mechanical	R.R. Askhedkar	Dr.J.P.Modak Dr. A.V. Vanalkar	Estimation and validation of insertion loss of an acoustic enclosure.
2	2	2020-21	Mechanical	Mechanical	R.P.Bachute	Dr. K.S.Zakiuddin	Field Data Based Modeling of Moulding of Cylinder Head
3	3	2019-20	Mechanical	Mechanical	Nilesh Alone	Dr. J. F.Agrawal Dr.G. D..Mehta	Design and Development of Dual System Lilliput Gin
4	4	2019-20	Mechanical	Mechanical	Sohail Pervez	Dr.K.S. Zakuiddin Dr.J.P.Modak	Design and Performance Analysis of Human Powered Rice Mill
5	5	2019-20	Mechanical	Mechanical	H.S.Bhatkulkar	Dr.J.P.Modak	Establishment of Empirical Relationship Simulating Phenomena of Nursery Fertilizer Mixture Energized By Human Powered Flywheel Motor.
6	6	2019-20	Mechanical	Mechanical	Md. Siraj Sheikh	Dr. K.S.Zakiuddin	Experimental data Based Model for Oil Expeller Powered by Human Powered Flywheel Motor
7	7	2018-19	Mechanical	Mechanical	M.S. Giripunje	Dr.J.P.Modak Dr. M.P. Singh	Formulation of the Approximate Generalized Experimental Data based Model For food Grain Crusher Using Human Powered Fly wheel Motor
8	8	2018-19	Mechanical	Mechanical	Aarti Lende	Dr.J.P.Modak	Modeling of flywheel motor of manually driven brick making machines through artificial neural network.
9	9	2018-19	Mechanical	Mechanical	Pawan Chandak	Dr.J.P.Modak	Modeling of process unit of manually driven brick making machines through artificial neural network.
10	10	2018-19	Mechanical	Mechanical	Vivek M. Sonde	Dr. P.N. Belkhode	Formulation of An Approximate Generalized Experimental Data Based Model for Wood Chipper

							37Cutter Energized By Human Powered Flywheel Motor
11	<i>11</i>	2018-19	Mechanical	Mechanical	Hemant Warkad	Dr. P.M. Bapat	Formulation of generalized approximate mathematical model for cylindrical pressure vessel made of composite material (glass FRP)
12	<i>12</i>	2018-19	Mechanical	Mechanical	Rushikesh A. Kulkarni	Dr.J.P.Modak	Formulation of Generalized Field Database Model and Simulation for Some Operation of Manufacturing Enterprise.
13	<i>1</i>	2021-2022	Electrical and Power	Electrical	Mr. C.S. Hiwarkar	Dr. P.G. Burade	Development of methodology for power system security using FACTS devices
14	<i>2</i>	2021-2022	Electrical and Power	Electrical	Mr. Yogesh.S. Bais	Dr.S.B. Deshpande	Design & implementation of Three Phase nine level cascaded H bridge PWM Inverter with low harmonic values using phase shifted carrier PWM technique
15	<i>3</i>	2021-2022	Electrical and Power	Electrical	Mrs.Sumitra N. Agrawal	Dr.S.P.Muley	Robustness analysis of speed sensorless vector controlled induction motor drive using MRAS
16	<i>4</i>	2021-2022	Electrical and Power	Electrical	Mrs.Pritee S. Gotekar	Dr.S.P.Muley	Reactive Power Control for single phase Photovoltaic system considering grid requirements
17	<i>5</i>	2020-21	Electrical and Power	Electrical	Mr.Umesh E. Hiwase	Dr.S.P.Muley	Mitigation of Harmonics using multilevel Inverter for AC Motor Drive.
18	<i>6</i>	2019-20	Electrical and Power	Electrical	Mr. Virendra G. Umale	Dr.S.B. Warkad	Development of new technique for Modeling location of marginal based transmission pricing in a restructured electricity market.
19	<i>7</i>	2018-19	Electrical and Power	Electrical	Mr R.V. Adle	Dr.M.M.Renge	Development of PV based Z-source inverter fed drive for water pumping system

20	8	2018-19	Electrical and Power	Electrical	Mrs. Sonali Nandanwar	Dr.S.B .Warkad	Development of new technique of voltage security assessment in a restructured electricity market using various techniques
Electronic Engineering							
21	1	2021-22	Electronics and communication	Electronics	Mr Ranjit Bobhate	Dr Asutkar	Performance enhancement in lifetime of wireless sensor network by AI
22	2	2021-22	Electronics and communication	Electronics	Venkata Reddy Adama	Dr Asutkar	Study and analysis of various time synchronizing localization management system in wireless sensor network
23	3	2021-2022	Electronics and communication	Electronics Engg	Mr. Rahul M. Pethe	Dr. G.M.Asutkar	Design Routing Protocol for Large data Transfer over wireless sensor Network
24	4	2021-2022	Electronics and communication	Electronics Engg	Mrs. Vandana Bagde	Dr. C.G.Dethe	Performance improvement of Space diversity techniques STBC (Space time block coding) for time varying channel in wireless environment
25	5	2020-21	Electronics and communication	Electronics Engg	Smt. Anuja Amlesh Askhedkar	Dr.G.H Agrawal	Performance Improvement of Sigma Delta DAC for Audio Application in CMOS Technology
26	6	2020-21	Electronics and communication	Electronics Engg	Mr.D Naga Ravi kiran	Dr.C.G.Dethe	Improvement in Routing Algorithm to Enhance Lifetime of wireless Sensor Networks
27	7	2020-21	Electronics and communication	Electronics Engg	Mr.D.N. Bhange	Dr.C.G.Dethe	Performance Analysis of 3D pilot Aided channel Estimation for Adaptive cognitive – OFDM System
28	8	2020-21	Electronics and communication	Electronics Engg	Mrs. Shanti Swami	Dr.S.M. Asutkar	Reduction and estimation of Hyper spectral Image by using an orthogonal subspace projection and complex wavelet filter bank
29	9	2020-21	Electronics and communication	Electronics Engg	Ms.Mrunal M. Khedakar	Dr.G.M. Asutkar	Performance Enhancement of Some parameter in wireless sensor network for video data transmission
30	10	2020-21	Electronics Engineering	Electronics Engineering	Mr.U.P. Akare	Dr.Narendra Bawane	Compression of old Marathi Manuscript Images Using Recent Technique.

31	11	2020-21	Electronics Engineering	Electronics Engineering	Mr.T.P. Guha	Dr. R.V. Kshirsagar	Design and development of physical layer model in Wi MAX using OFDM
32	12	2019-20	Electronics Engineering	Electronics Engineering	Mrs. A.S. Khobragade	DR.R.D.Raut	Experimental Studies for Optimized Spectrum Sensing Techniques in Cognitive Radio
33	13	2019-20	Electronics Engineering	Electronics Engineering	Mr. Aniruddha C. Kailuke	Dr.Pankaj Agrawal	Design of Low Power , Low Jitter PLL For WiMAX Application using CMOS Technology
34	14	2019-20	Electronics Engineering	Electronics Engineering	Mrs.S.P. Washimkar	Dr.S.D.Chede	Design and Implementation of effective AM-FM demodulation and image reconstruction techniques in Biomedical Applications
35	15	2019-20	Electronics Engineering	Electronics Engineering	Mrs.J.B. Bhattad	Dr.S.D.Chede	Analysis ,Comparison and Development of Advanced Protocol for Energy Efficient Wireless Sensor Network
36	16	2019-20	Electronics Engineering	Electronics Engineering	Ms.Kancha Wagh	Dr.S.S.Shriram war	Design Analysis of Array Antenna RADAR system
37	17	2019-20	Electronics Engineering	Electronics Engineering	Ms. PradnyaP.Harade	Dr. A.C. Bhagali/ Dr. R.V. Kshirsagar	Implementation of Memory Management System and Parallel Processing By Reconfigurable In FPGA.
38	18	2019-20	Electronics Engineering	Electronics Engineering	Mr.Nitin Jain	Dr.S.S. Salankar	Some studies on performance enhancement of content Based image retrieval
39	19	2019-20	Electronics Engineering	Electronics Engineering	Mr. Rajendra Babar	Dr. M.S. Gaikwad Dr. R.V. Kshirsagar (Co-Guide)	Design of a FPGA Based Power Efficient Wireless Communication System Using Multirate Sapling in Software Defined radio.
40	20	2019-20	Electronics Engineering	Electronics Engineering	Mr. S.B. Gholap	Dr. Y.V.Chavan Dr. R.V.Kshirsagar (Co-Guide)	Implementation of Cognitive Radio Test Bed. for Efficient Utilization of ISM Band & Spectrum Sensing Application in Wireless Communication.
41	21	2018-19	Electronics and communication	Electronics Engg	Mr.Gajanan Birajdar	Dr.V.H.Mankar	Design , Analysis and Implementation of algorithm for blind image forgery detection

42	22	2018-19	Electronics and communication	Electronics Engg	Ms. ZoonubiyaFarim Usman Khan	Dr.S.L.Badjate	Adaptive Energy management of Hybrid vehicles using Artificial Intelligence
43	23	2018-19	Electronics and communication	Electronics Engg	Mrs.RadhaShende	Dr.G.M. Asutkar	Design and Development of Multi sensor approach for Antifog Windshield by using can controller
44	24	2018-19	Electronics Engineering	Electronics Engineering	Mr. Ketan J. Raut	Dr. A.C. Bhagali/ Dr.R.V. Kshirsagar	Design Of Ultra Low Voltage Analog Integrated Circuits For Portable Appliances
45	25	2018-19	Electronics Engineering	Electronics Engineering	Mr V.G. Giripunje	Dr.S.D.Chede	Design & analysis of low power Telemetric system: an advanced patient diagnosis approach
46	26	2018-19	Electronics Engineering	Electronics Engineering	Mr Nitin Ambatkar	Dr.S.D.Chede	Design and development of low power, low cost embedded system for Bio-medical application (A case study of Asthmatic Disorders)
47	27	2018-19	Electronics Engineering	Electronics Engineering	Mr. N.T. Deotale	Dr. U.D. Kolekar	Performance Evaluation of Antenna Subset Selection in MIMO System.
48	28	2017-18	Electronics and communication	Electronics Engg	Mrs.Seema Ashish Taywade	Guide- Dr. RajeshreeRaut	Real Time EEG data compression and Transmission for remote patient monitoring system
49	29	2017-18	Electronics Engineering	Electronics Engineering	Mr.AnupamChouadhary	Dr. R.V. Kshirsagar	Design and development of multiprotocol label based network model using single stacked for reduction of label space in networking
50	30	2017-18	Electronics Engineering	Electronics Engineering	Mr. A.B. Jirapure	Dr. R.V. Kshirsagar	A novel approach for fault detection and fault management in wireless sensor network
51	31	2017-18	Electronics Engineering	Electronics Engineering	Mr.A.D. Bijwe	Dr.C.G.Dethe	Identification and performance evaluation of vertical handoff metrics using decision Algorithm
52	32	2017-18	Electronics Engineering	Electronics Engineering	Mr. Narendra G. Narole	Dr.G.M. Asutkar	A novel Approach for Structural Design Of Wireless Communication

							sensor Network Using Virtual Networks Platforms
53	33	2017-18	Electronics Engineering	Electronics Engineering	Mr. JiteshShinde	Dr.S.S. Salankar	Design and of study of Multi-objective Optimization Techniques for VLSI Circuits
54	34	2017-18	Electronics Engineering	Electronics Engineering	Ms. KanchanDhot e	Dr.G.M. Asutkar	Study and Analysis of Different Routing Techniques in Wireless Sensor Network


Principal
Priyadarshini College of Engg.
Nagpur.