



LTJSS
PRIYADARSHIN COLLEGE OF ENGINEERING, NAGPUR
 (An Autonomous Institution Affiliated to RTM Nagpur University)
 Research & Development Cell



Ph.D. (PART-TIME) SCHOLARS AWARDED DOCTORAL DEGREE.

Table A: Ph.D. Awarded from PCE Research Centres: Year-wise Departmental Data

Department/Academic Year	2025-26*	2024-25	2023-24	2022-23	2021-22	2020-21	2019-20
Mechanical Engineering	03	01	01	0	01	01	04
Electronics Engineering (E&T)	01	04	03	0	04	07	09
Electrical Engineering		00	01	01	03	01	02
Computer Science Engineering	-	-	-	-	-		

*Till Dec.18, 2025

Table – B: List of Research Scholars Awarded the Ph.D. Degree in Mechanical Engineering

S. N	Year of PhD awarded	Department	Subject	Name of PhD scholar	Name of supervisor/s	Title of PhD thesis
1	2025-26	Mechanical	Mechanical	Mr.Vidhadhar khshirsager	Dr M.P Singh	Ergonomics evolution and design of human – CNC machine interface for wheel chair users
2	2025-26	Mechanical	Mechanical	Mr. Pravin V. Jadhav	Dr G.D.Mehta	Establishment of Empirical Relationship Through Experimental Investigation of Parameters Affecting Thermoacoustic Refrigeration System
3	2025-26	Mechanical	Mechanical	Mr.NitinSawarkar	Dr. K.S.Zakiuddin	Formulation of experimental data based model for flexible clutches
4	2024-25	Mechanical	Mechanical	Dr Divya Dubey	Dr M.P Singh	Formulation of approximate generalized filed data based green model for health care organization
5	2023-24	Mechanical	Mechanical	Mr Harsh Dubey	Dr M.P Singh	Formulation of approximate generalized experimental data based on mathematical model for plastic shredding process energized by human powered flywheel machine
6	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.
7	2020-21	Mechanical	Mechanical	R.P.Bachute	Dr. K.S.Zakiuddin	Field Data Based Modeling of Moulding of Cylinder head
8	2019-20	Mechanical	Mechanical	NileshAlone	Dr. J.F.Agrawal Dr.G.D..Mehta	Design and Development of Dual System Lilliput Gin
9	2019-20	Mechanical	Mechanical	SohailPervez	Dr.K.S.Zakiuddin Dr.J.P.Modak	Design and Performance Analysis of Human Powered Rice Mill
10	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.
11	2019-20	Mechanical	Mechanical	Md. Siraj Sheikh	Dr. K.S.Zakiuddin	Experimental data Based Model for Oil Expeller Powered by Human Powered Flywheel Motor

Table – C: List of Research Scholars Awarded the Ph.D. Degree in Electronics(E&T) Engineering

S. N	Year of PhD awarded	Department	Subject	Name of Ph.D scholar	Name of supervisor/s	Title of PhD thesis
1	2025-26 Result Awaited	ETC	Electronics Engineering	Ms.Harna Bodele	Dr.G.M.Asutkar	Improving early warning of air pollution peak episode prediction with novel machine learning approach
2	2024-25	ETC	Electronics Engineering	Sagar Pradhan	Dr.G.M.Asutkar	“Performance Evaluation of Energy Efficient Monitoring System for Defense Forest using Wireless Sensor Network
3	2024-25	ETC	Electronics Engineering	Kanchan mankar	Dr.S.W.varade	Design and analysis of an Energy Efficient Green Communication Model for 5G
4	2024-25	ETC	Electronics Engineering	Sujata Bhele	Dr.S.S.Shriramwar	A efficient approach for restoration of ancient degraded images using soft computing techniques
5	2024-25	ETC	Electronics Engineering	Sunita parihar	Dr.G.M.Asutkar	A Novel Approach to Integrate Wireless Sensor Network on 5G Infrastructure for IOT Application”
6	2023-24	ETC	Electronics Engineering	Vishal Panchbhai	Dr. S.W. Varade	Enhanced Visual Secret Sharing Scheme for Color Image.
7	2023-24	ETC	Electronics Engineering	Karuna Bogawar	Dr. S.S. Shriramwar	Efficient address generator for low power memory Built-In-Self-Test.
8	2023-24	ETC	Electronics Engineering	Amol Pardhi	Dr. (Mrs). Suchita W. Varade	Development of Portable device for Efficient detection of abnormal Epileptic Discharges
9	2021-22	ECE	Electronics	Mr Ranjit Bobhate	Dr Asutkar	Performance enhancement in lifetime of wireless sensor network by AI
10	2021-22	ECE	Electronics	Venkata Reddy Adama	Dr Asutkar	Study and analysis of various time synchronizing localization management system in wireless sensor network
11	2021-22	ECE	Electronics Engg	Mr. Rahul M. Pethe	Dr. G.M.Asutkar	Design Routing Protocol for Large data Transfer over wireless sensor Network
12	2021-22	ECE	Electronics Engg	Mrs. Vandana Bage	Dr. C.G.Dethe	Performance improvement of Space diversity techniques STBC (Space time block coding) for time varying channel in wireless environment
13	2020-21	ECE	Electronics Engg	Smt. Anuja Amlesh Askhedkar	Dr.G.H Agrawal	Performance Improvement of Sigma Delta DAC for Audio Application in CMOS Technology
14	2020-21	ECE	Electronics Engg	Mr.D Naga Ravi kiran	Dr.C.G.Dethe	Improvement in Routing Algorithm to Enhance Lifetime of wireless Sensor Networks
15	2020-21	ECE	Electronics Engg	Mr.D.N.Bhange	Dr.C.G.Dethe	Performance Analysis of 3D pilot Aided channel Estimation for Adaptive cognitive – OFDM System

16	2020-21	ECE	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
17	2020-21	ECE	Electronics Engg	Ms.Mrunal M. Khedakar	Dr.G.M. Asutkar	Performance Enhancement of Some parameter in wireless sensor network for video data transmission
18	2020-21	EN	Electronics Engineerin g	Mr.U.P.Akare	Dr.Narendra Bawane	Compression of old Marathi Manuscript Images Using Recent Technique.
19	2020-21	EN	Electronics Engineerin g	Mr.T.P. Guha	Dr. R.V. Kshirsagar	Design and development of physical layer model in Wi MAX using OFDM
20	2019-20	EN	Electronics Engineerin g	Mrs. A.S. Khobragade	DR.R.D.Raut	Experimental Studies for Optimized Spectrum Sensing Techniques in Cognitive Radio
21	2019-20	EN	Electronics Engineerin g	Mr. Aniruddha C. Kailuke	Dr.Pankaj Agrawal	Design of Low Power , Low Jitter PLL For WiMAX Application using CMOS Technology
22	2019-20	EN	Electronics Engineerin g	Mrs.S.P. Washimkar	Dr.S.D.Chede	Design and Implementation of effective AM-FM demodulation and image reconstruction techniques in Biomedical Applications
23	2019-20	EN	Electronics Engineering	Mrs.J.B. Bhattad	Dr.S.D.Chede	Analysis ,Comparison and Development of Advanced Protocol for Energy Efficient Wireless Sensor Network
24	2019-20	EN	Electronics Engineerin g	Ms.Kanch a Wagh	Dr.S.S.Shriramwar	Design Analysis of Array Antenna RADAR system
25	2019-20	EN	Electronics Engineering	Ms. PradnyaP.H arade	Dr. A.C. Bhagali / Dr. R.V.Kshirsagar	Implementation of Memory Management System and Parallel Processing By Reconfigurable In FPGA.
26	2019-20	EN	Electronics Engineering	Mr.Nitin Jain	Dr.S.S.Salankar	Some studies on performance enhancement of content Based image retrieval
27	2019-20	EN	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.
28	2019-20	EN	Electronics Engineerin g	Mr. S.B. Gholap	Dr.Y.V.Chav an Dr.R.V.Kshirsagar (Co-Guide)	Implementation of Cognitive Radio Test Bed. for Efficient Utilization of ISM Band & Spectrum Sensing Application in Wireless Communication.

Table – D : List of Research Scholars Awarded the Ph.D. Degree in Electrical Engineering

S.N	Year of PhD awarded	Department	Subject	Name of PhD scholar	Name of supervisor(s)	Title of PhD thesis
1	2023-24	Electrical Engineering	Electrical	Dr B.S. Dani	Dr. S P Muley	Performance analysis of bridges converter fed 3 motor drive

2	2022-23	Electrical and Power	Electrical	Mr. C.S. Hiwarkar	Dr.P.G.Burade	Development of methodology for power system security using FACTS devices
3	2021-22	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
4	2021-22	Electrical and Power	Electrical	Mrs.Sumitra N. Agrawal	Dr.S.P.Muley	Robustness analysis of speed sensor less vector-controlled induction motor drive using MRAS
5	2021-22	Electrical and Power	Electrical	Mrs.Pritee S. Gotekar	Dr.S.P.Muley	Reactive Power Control for single phase Photovoltaic system considering grid requirements
6	2020-21	Electrical and Power	Electrical	Mr.Umesh E. Hiwase	Dr.S.P.Muley	Mitigation of Harmonics using multilevel Inverter for AC Motor Drive.
7	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.
8	2019-20	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

Date: 18/12/2025