



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)

List of students pursuing PhD (academic year 2023-24)

Dept	No of PhD Pursuing Students
Electrical	08
Electronics	26
Mechanical	17
Total	51



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



PhD Scholar Registered (Part Time) at Priyadarshini College of Engineering Nagpur

Data of academic session : 2024-25

S.N	Department	Subject	Name of research scholar	Title of PhD	Name of supervisor	Registration number	PhD registration date	Status
1	Electrical and Power	Electrical Engg	Ganesh B. Kamble	High Starting torque wide range speed control of 3/ Synchronous Reluctance Motor.	Dr Umesh Hiwase	RTMNU/PHD cell/RRC/2022/R1/173	30-03-22	Ongoing
2	Electrical and Power	Electrical Engg	Dinesh D Mujumdar	An Improved Grid connected wind power QUALITY CONTROL USING Facts devices.	Dr Umesh Hiwase	RTMNU/PHD cell/RRC/2022/R1/171	30-03-22	Ongoing
3	Electrical and Power	Electrical Engg	Abhijit Datta	Fast Charging System for New Generation Electric Vehicle with efficient Converters for wireless power transfer stations.	Dr Kishor Porate	RTMNU/PHD cell/RRC/2022/R1/1565	16-03-22	Ongoing
4	Electrical and Power	Electrical Engg	Akil A. Ahmad	POWER QUALITY IMPROVEMENT IN th INTEGRATED GRID energy system with hibrid renewable energy sources USING UPQC.	Dr Kishor Porate	RTMNU/PHD cell/RRC/2022/R1/1566	16-03-22	Ongoing

5	Electrical and Power	Electrical Engg	Harsha B Sarvaiya	Wireless Power Transfer in Electric Vehicle Application.	Dr (Mrs) S. P. Muley	RTMNU/P HD cell/RRC/2022/R1/1564	16-03-22	Ongoing
6	Electrical Engg	Electrical Engg	Manjusha K Parve	Protection of Compensated Transmission Line for Improvement of reliability and selective using Machine Learning Technique.	Dr R A Keswani	RTMNU/P HD cell/RRC/2022/R1/177	30-03-22	Ongoing
7	Electrical and Power	Electrical Engg	Ankush Deosant	Some aspect of energy management system for hybrid electrical vehicles	Dr Kishor Porate	RTMNU/P HD cell/RRC/ May 2019/428	22-05-19	Ongoing
8	Electrical and Power	Electrical Engg	Ashvini Ramesh Admane		Dr R A Keswani	RTMNU/P HD cell/RRC/2022/R1/177	Resubmission of Synopsis in process as per suggestions of RAC Members	Ongoing



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Data of academic session : 2024-25

S.N	Department	Subject	Name of research scholar	Title of PhD	Name of supervisor	Registration number	PhD registration date	Status
1	Electronics Engg	Electronics Engg.	Manisha Gawande	Design an effective artificial intelligence based model for vein detection and analysis of blood flow velocity for possible health diagnosis.	Dr Suchita Varade	RTMNU/PHD cell/RRC/2022/R1/1710	21-03-22	Ongoing
2	Electronics Engg	Electronics Engg.	Gaurav Agrawal	Analyzing the effect of temporal severity of epilepsy on vital organs via transfer learning algorithms.	Dr.A.P. Rathkanthiwar	RTMNU/PHD CELL/RR C/2022/R1/1820	19/3/2022	Ongoing
3	Electronics Engg	Electronics Engg.	Pallavi Ganorkar	Deep learning approach for generation of melodius artificial music with variations in the music database.	Dr.A.P. Rathkanthiwar	RTMNU/PHD CELL/RR C/2022/R1/1586	19/3/2022	Ongoing
4	Electronics Engg	Electronics Engg.	Pradnya P Parate	Anovel approach for data extraction from satellite images with improved accuracy and speed using deep learning.	Dr S.S. Shriramwar	RTMNU/PHD cell/RRC/2022/R1/375	30-03-22	Ongoing
5	Electronics Engg	Electronics Engg.	Sumit D Chafale	Design and performance enhancement of indoor positioning by sub carrier spacing in OFDM.	Dr Virendra Taksande	RTMNU/PHD cell/RRC/2022/R1/231	30-03-22	Ongoing

								Ongoing
6	Electronics & Comm Engg	Electronics Engg	Shrikant Goje	To Design Hacking - Free AI Based Security Model Using the Analysis of Threats in Communication Network	Dr . G.M.Asutkar	RTMNU/ PH.D CELL/RR C/2022/R 1/1624	30-03-2022	Ongoing
7	Electronics & Comm Engg	Electronics Engg	Girish Ghormode	A BLOCKCHAIN AND DEEP NEURAL NETWORKS BASED SECURE FRAMEWORK FOR ENHANCED NETWORK SECURITY	Dr Soni Chaturvedi	RTMNU/ PH.D CELL/RR C/2022/R 1/1591	19-03-2022	Ongoing
8	Electronics & Comm Engg	Electronics Engg	Anand S.Deshkar	Design of Ultrawide band and MIMO antenna using fractal sectional technique for defence application.	Dr Soni Chaturvedi	RTMNU/ PH.D CELL/RR C/2022/R 1/1601	19-03-2022	Ongoing
9	Electronics & Comm Engg	Electronics Engg	Deepak A.Kapgate	A novel machine learning based model for performance analysis of Indian stock market price forecasting	Dr Soni Chaturvedi	RTMNU/ PH.D CELL/RR C/2022/R 1/1629	21-03-2022	Ongoing
10	Electronics & Comm Engg	Electronics Engg	Sangita P.Rajankar	Real World Spatial Data Mining for Conceptualizing Smart Village towards g-Governance	Dr Soni Chaturvedi	RTMNU/ PH.D CELL/RR C/2022/R 1/315	30-03-2022	Ongoing
11	Electronics & Comm Engg	Electronics Engg	Ms. Harna Bodele	Improving early warning of air pollution peak episode prediction with novel machine learning approach	Dr.G.M.Asutkar	RTMNU/ PH.D CELL/RR C/Oct-2018/542	20-05-19	Ongoing
12	Electronics & Comm Engg	Electronics Engg	Sharda Mungle	To design an efficient fault tolerant resilient system for wireless sensor network	Dr.S.S.Shrimwar	RTMNU/ PH.D CELL/RR C/2022	23-11-2023	Ongoing
13	Electronics & Comm Engg	Electronics Engg	Divya meshram	Design of Optimized self adaptive reconfigurable system for changing	Dr.S.S.Shrimwar	RTMNU/ PH.D CELL/RR C/2022	22-11-2023	Ongoing

				Environment and Conditions				
14	Electronics & Comm Engg	Electronics Engg	Shruti A.Chawale	Design and Development of Energy Efficient algorithm for IOT applications by using Machine Learning.	Dr.G.M. Asutkar	Awaited	Awaited	Ongoing
15	Electronics & Comm Engg	Electronics Engg	Dipti S.Sawarkar	The implementation of Machine Learning Technology for energy optimization and data security of IoT enabled wireless network.	Dr.V.K. Taksande	Awaited	Awaited	Ongoing
16	Electronics & Comm Engg	Electronics Engg	Ms.Vrushali V.Shirpurkar	"Study and Analysis of Vedic Mantras & its effect on Electromagnetic Field of human body for human health Monitoring"	Dr.Mrs.A. P.Rathkantihiwar	Awaited	Awaited	Ongoing
17	Electronics & Comm Engg	Electronics Engg	Mrs.Supriya Jawale	Design and Development of Machine learning model for analysis and classification of Biomedical Signal	Dr.G.M. Asutkar	Awaited	Awaited	Ongoing
18	Electronics & Comm Engg	Electronics Engg	Gaurishankar Girhe	Performance Improvement of Energy efficient protocol for high speed data transmission over Wireless Sensor network using machine Learning Algorithm	Dr.G.M. Asutkar	Awaited	Awaited	Ongoing
19	Electronics & Comm Engg	Electronics Engg	Ashish V.Saywan	Design of Neuromorphic Machine Learning Methods for Medical Image Analysis and Disease Diagnosis.	Dr.Mrs.Sonij Chaturvedi	Awaited	Awaited	Ongoing

20	Electronics & Comm Engg	Electronics Engg	Vikramsingh R. Parihar	Design of Adaptive Machine Learning and Blockchain-Enabled Navigation Systems for Autonomous Drone	Dr.Mrs.Soni Chaturvedi	Awaited	Awaited	Ongoing
21	Electronics & Comm Engg	Electronics Engg	Mrs.Snehal G.Wankhede	Performance Enhancement in QoS Parameter for HANET by Advanced Service Routing Protocol	Dr.G.M.Asutkar	Awaited	Awaited	Ongoing
22	Electronics & Comm Engg	Electronics Engg	Abhijit Varade	“An optimized framework for solar power prediction using machine learning”	Dr.M.K. Demde	Awaited	Awaited	Ongoing
23	Electronics & Comm Engg	Electronics Engg	Aparna Khairkar	Spectral Analysis of Water Bodies Using Multispectral Satellite image processing Techniques	Dr.V.K. Taksande	Awaited	Awaited	Ongoing
24	Electronics & Comm Engg	Electronics Engg	Syed Rizwana Ali	-----	Dr.M.K. Demde	Awaited	Awaited	Ongoing
25	Electronics & Comm Engg	Electronics Engg	Kaheksha Sheikh	-----	Dr.V.K. Taksande	Awaited	Awaited	Ongoing
26	Electronics & Comm Engg	Electronics Engg	Sneha Kherde	-----	Dr.Mrs.S.W .Varade	Awaited	Awaited	Ongoing



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PhD Scholar Registered (Part Time) at Priyadarshini College of Engineering Nagpur, Department of Mech. Engg.

S.N	Department	Subject	Name of research scholar	Title of PhD	Name of supervisor	Registration number	PhD registration date	Status
1	Mechanical Engg	Mechanical Engg	Mr. Pravin V. Jadhav	Establishment of Empirical Relationship Through Experimental Investigation of Parameters Affecting Thermo acoustic Refrigeration System	Dr. Girish D. Mehta	RTMN U/PHD cell/RR C/Oct 2018	29/10/2018	Submitted
2	Mechanical Engg	Mechanical Engg	Mr. Vidhadhar khshirsager	Ergonomics evolution and design of human – CNC machine interface for wheel chair users	Dr M.P. Singh	RTMN U/PHD cell/RR C/May-2019/R 1/ 437	22-05-19	Ongoing
3	Mechanical Engg	Mechanical Engg	Mr. NitinSawarkar	Formulation of experimental data based model for flexible clutches	Dr.K.S. Zakiuddin	RTMN U/PHD cell/RR C/May-2019/R 1/ 446	22-05-19	Ongoing
4	Mechanical Engg	Mechanical Engg	Mr. Munindra Matey	Formulation of approximate generalized data based model for heat transfer argumentation employing electro hydro dynamic (EHD) technique	Dr C.N. Sakhale	RTMN U/PHD cell/RR C/May-2019/ 441	22-05-19	Ongoing
5	Mechanical Engg	Mechanical Engg	Mr. Harshcahndra Ramteke	Establishment of Empirical Relationship Between the Design Variables of Newly Evolved Flexible Type Swing Coupling	Dr. Girish Mehta	RTMN U/PHD cell/RR C/May-2019/ 444	22-05-19	Ongoing
6	Mechanical Engg	Mechanical Engg	Mrs.Pruna Borkar	Establishment of Empirical Relationship Between the process	Dr C.N. Sakhale	RTMN U/PHD cell/RR	24/03/2022	Ongoing

S.N	Department	Subject	Name of research scholar	Title of PhD	Name of supervisor	Registration number	PhD registration date	Status
				parameter of miniature thresher machine		C/2022/R1/1583		
7	Mechanical Engg	Mechanical Engg	Ruma Sunil Roy	Not Registered (RRC waiting)	Dr. G.D. Mehta	-	-	-
8	Mechanical Engg	Mechanical Engg	Amit Suresh Rao Bhuyar	Not Registered (RRC waiting)	Dr. I.A. Khan	-	-	-
9	Mechanical Engg	Mechanical Engg	Anand Vinayak Thengne	Not Registered (RRC waiting)	Dr. S.N. Waghmare	-	-	-
10	Mechanical Engg	Mechanical Engg	Abhinav Duragkarr.	Not Registered (RRC waiting)	Dr. C.N. Sak hale	-	-	-
1112	Mechanical Engg	Mechanical Engg	Bharat Bhanudas Babre	Not Registered (RRC waiting)	Dr. S.N. Waghmare	-	-	-
13	Mechanical Engg	Mechanical Engg	Dhiraj Vijay Rao Astonkar	Not Registered (RRC waiting)	Dr. S.D. Shel are	-	-	-
14	Mechanical Engg	Mechanical Engg	Dushyant Babarao Pawar	Not Registered (RRC waiting)	Dr. S.N. Waghmare	-	-	-
15	Mechanical Engg	Mechanical Engg	Manish Ajay Warankar	Not Registered (RRC waiting)	Dr. I.A. Khan	-	-	-
16	Mechanical Engg	Mechanical Engg	Rahul Charandas Meshram	Not Registered (RRC waiting)	Dr. I.A. Khan	-	-	-
17	Mechanical Engg	Mechanical Engg	Shrikant Vasant Rao Bhunte	Not Registered (RRC waiting)	Dr. I.A. Khan	-	-	-