

**JSPM's Rajarshi Shahu College of Engineering**  
**Research Centre**  
**PhD Awarded List**

Department	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Total
E&TC	2	1	7	10	2	4	2	2	2	32
Mechanical		1		4	3	1	7	1	1	18
Civil			3	2	2	2	3	4	4	20
<b>Total</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>16</b>	<b>7</b>	<b>7</b>	<b>12</b>	<b>7</b>	<b>7</b>	<b>70</b>



  
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**JSPM's Rajarshi Shahu College of Engineering  
Research Centre  
PhD Pursuing**

Department	2015-16	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Total
E&TC		2	0	0	5	5	4	5		3	24
Mechanical	1	3		3		3	10	3		2	25
Civil		0	0	0	3	0	7	4		1	15
Computer										5	5
MBA/MCA										4	4
<b>Total</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>3</b>	<b>8</b>	<b>8</b>	<b>21</b>	<b>12</b>		<b>15</b>	<b>73</b>



  
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**JSPM's Rajarshi Shahu College of Engineering**  
**Department of E&TC**  
**Research Centre**  
**PhD Awarded List**

Count of PhD Topic	Column Labels										Grand Total
Row Labels	2016	2017	2018	2019	2021	2022	2023	2024	2025	(blank)	Grand Total
Dr. S.L.Lahudkar				1					1		2
Dr. A.K.Kureshi & Dr A. N.Paithane							1				1
Dr. D. M. Yadav					1						1
Dr. D. S. Bormane	2		1								3
Dr. Kureshi A. K.				1							1
Dr. Mrs. A. V. Kulkarni		1		2							3
Dr. Mrs. S. D. Apte			1	2							3
Dr. R. D. Kharadkar			1								1
Dr. S R Patil					1	1		1			3
Dr. S.C. Patil				1		3		1			5
Dr. S.C. Patil & Dr. D.V. Jadhav			1								1
Dr. S.D.Shirbahadurkar			1	2							3
Dr. S.D.Shirbahadurkar & Dr D V Jadhav			1								1
Dr. Y. Ravinder			1	1							2
Dr. Yogesh Angal							1		1		2
(blank)											
<b>Grand Total</b>	<b>2</b>	<b>1</b>	<b>7</b>	<b>10</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>32</b>

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**JSPM's Rajarshi Shahu College of Engineering**  
**Department of E&TC**  
**Research Centre**  
**PhD Awarded List**

Sr. No.	Name of the Students	Date of Declaration	Name of Guide & Co-Guide	PhD Topic	Year of Completion
1	Ohatkar Sharada Narsingrao	25.10.2016	Dr. D. S. Bormane	A heuristics approach for interference reduction in channel assignment of cellular radio network	2016
2	Paithane Ajay Namdeorao	24.11.2016	Dr. D. S. Bormane	Human emotion recognition using psychological signal	2016
3	Mithra Venkatesan	20.04.2017	Dr. Mrs. A. V. Kulkarni	Learning in Cognitive radio using soft computing	2017
4	Dewasthale Mugdha Mukul	24.03.2018	Dr. R. D. Kharadkar	Development and Performance Studies of adaptive Filters for Acoustic Noise Cancellation(ANC)	2018
5	Mane Vijay Mahadeo	10.03.2018	Dr. S.D.Shirbahadurkar & Dr D V Jadhav	Early stage detection of Diabetic Retinopathy in Retinal Fundus images.	2018
6	Manjare Chandraprabha Anil	10.03.2018	Dr. S.D.Shirbahadurkar	Natural prosody generation in Text to-Speech synthesis for Marathi speech signal	2018
7	Vast Prachi Prashant	14.02.2018	Dr. Mrs. S. D. Apte	Performance improvement of Reconfigurable microstrip antenna with polarization and pattern diversity	2018
8	Kedar Seema Vijaykumar	14.09.2018	Dr. D. S. Bormane	Development of Pattern Recognition Techniques to Predict Personality, Emotional State and Heart Disease through Graphological Analysis of	2018

9	Chhatrala Risil Rameshbhai	19.10.2018	Dr. S.C. Patil & Dr. D.V. Jadhav	Gait based Human identity recognition	2018
10	Varade Pradip Shankar	24.11.2018	Dr. Y. Ravinder	Optimal Resource Allocation in Cognitive Radio with Green Communication Perspective	2018
11	Shete Varsha	16.08.2019	Dr. Mrs. A. V. Kulkarni	Attribute Learning for Knowledge Extraction using Human-Machine Intelligence	2019
12	Sardar Vijay Madhukar	2019-20	Dr. S.D.Shirbahadurkar	Speaker identification with natural and whispered speech	2019
13	Wagaj Santosh Chandrakant	07.10.2019	Dr. S.C. Patil	Modeling and Simulation of junctionless Transistor for low power and High	2019
14	Atre Minakshi Pradeep	11.10.2019	Dr. Mrs. S. D. Apte	Physical modeling for plucked notes of box shaped acoustic guitar	2019
15	Reddy Deepa Narayana	2019-20	Dr. Y. Ravinder	Multi antenna aided energy efficient spectrum sensing for cognitive radio	2019
16	Pratap Sanap	2019-20	Dr. Mrs. S. D. Apte	Generalized approach for video segmentation using audio & video analytics focusing on personalized videos	2019
17	Paithane Sakshi	23.12.2019	Dr. S.D.Shirbahadurkar	Speech Recognition in Hindi Language	2019
18	Bendre Varsha	2019-20	Dr. Kureshi A. K.	Design of Operational Amplifier at Deep Submicron Technology	2019
19	Motade Suvarna	2019-20	Dr. Mrs. A. V. Kulkarni	Multuser detection techniques for multiple access channel to optimizethe performance	2019

20	Anuradha Paloskar	22.10.2019	Dr. S.L.Lahudkar	Investigation & Analytical study of frequency & pattern reconfigurable Antenna using Novel Optimization technique	2019
21	Raut Savita	2021-22	Dr. D. M. Yadav	Brain mapping using fMRI	2021
22	Gujarathi Priyanka	2021-22	Dr. S R Patil	Speech synthesis algorithm for Gujarati Language to improve naturalness	2021
23	Patil Avinash	01.02.2022	Dr. S.C. Patil	VEDIC mathematics based hardware optimization for various arithmetic	2022
24	Rane Charusheela	15.02.2022	Dr. S R Patil	Performance Evaluation & Optimization of Data Embeddable Texture Synthesis	2022
25	Kale Swati Dilip	15.11.2022	Dr. S.C. Patil	Predictive data analytics for cold chain management using data mining	2022
26	Kore Ashwini	03.10.2022	Dr. S.C. Patil	A cross layer architecture using optimal key management techniques to improve IoT security	2022
27	Dipali Shende	24.02.2023	Dr. Yogesh Angal	Energy and Trust aware metaheuristic multicast routing for IoT applications	2023
28	Geetanjali Mate	07.02.2023	Dr. A.K.Kureshi & Dr A. N.Paithane	Design and development of technique for automated analysis of statistical properties of Rheumatoid Arthritis using Digital Image Processing	2023
29	Gayal Baliram	19.04.2024	Dr. S R Patil	Abnormal Events Detection and Localization for Smart Surveillance	2024

29	Mahesh Patil	08.11.2024	Dr. S.C. Patil	Design of novel techniques for binary analysis to aid security analysis of embedded systems	2024
30	Vishal Raskar	15.4.2025	Dr. S.L.Lahudkar	A Novel Approach for Synchronization and Fine Timing in UWB Receiver	2025
31	Dipali Dhake	05.05.2025	Dr. Yogesh Angal	Artificial Intelligence Based Multi-Level Stress Detection and Analysis Using EEG Signal	2025



  
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**JSPMS RAJARSHI SHAHU COLLEGE OF ENGINEERING PUNE**  
**RESEARCH CENTRE DEPARTMENT OF E&TC**

**List of PhD Persing students list**

Count of Title of Ph.D.	plumn Labels													
Row Labels	13.2.2024	14.2.2020	20.03.2021	21.2.2020	25.3.2021	28.09.2022	28.9.2022	30.4.2022	4.9.2023	5.12.2023	6.3.2018	9.1.2018	(blank)	Grand Total
Dr. Suhas Khot					2			1						3
Dr. Yogesh Angal				1										1
Dr.A.N.Paithane		1						3						4
Dr.B.D.Jadhav	1							1	1	1				4
Dr.P.M.Ghate						2								2
Dr.S.A.Paithane							1		1					2
Dr.S.C.Patil											1			1
Dr.S.C.Wagaj						1								1
Dr.S.R.Patil												1		1
Guide:Dr.S.C.Patil Co-Guide: Dr.S.A.Bhisikar			1						1					2
(blank)														
<b>Grand Total</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>		<b>21</b>



  
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**JSPMS RAJARSHI SHAHU COLLEGE OF ENGINEERING PUNE**  
**RESEARCH CENTRE DEPARTMENT OF E&TC**  
**List of PhD Pursing students list**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Guide Name</b>	<b>Title of Ph.D.</b>	<b>Date of Admission as</b>
1	Ajit Baburao Patil	Dr.S.R.Patil	An Intelligent approach for optimization of Energy Management in smart micro-grid	9.1.2018
2	Saurabh Bhise	Dr. Suhas Khot	Optimization And Performance Analysis Of Transformerless Inverter For Photovoltaic (Pv) Systems	25.3.2021
3	Kulkarni Shailesh	Dr. Suhas Khot	Multimodal Fused Emotion Recognition using Deep Learning	25.3.2021
4	Amit Dhanwade	Dr.A.N.Paithane	Pattern Prediction and SWARM Formation based Task Offloading with Machine Learning	30.4.2022
5	Sangita Patil	Dr.A.N.Paithane	Multimodal Stress Detection System using EEG & ECG Signals through Machine Learning Techniques	30.4.2022
6	Pooja Choudhary	Dr. Suhas Khot	Novel Neural Network approach for Detection of Alzheimers disease	30.4.2022
7	Yogeshwari Nikam	Dr.A.N.Paithane	AI based Risk Prediction of Ischemic Heart Disease	30.4.2022
8	Mandar Khatavkar	Dr.B.D.Jadhav	Object detection and skeleton generation of Thermal Image using Deep Learning	30.4.2022
9	Lata More	Dr.S.A.Paithane	Design and Development of Speech RecognitioSystem for Marathi impaired Speech	28.9.2022
10	Snehal Tapkire	Dr.P.M.Ghate	Design of AI Accelerator for Real-Time Biosignals	28.09.2022
11	Pawan Gawade	Dr.B.D.Jadhav	Detection and analysis of motion artifacts in EDA signals by using machine learning framework	13.2.2024
12	Sharmila Bhosale	Dr.B.D.Jadhav	Detection and analysis of facial paralysis using Machine Learning	5.12.2023

13	Madhura Bhosale	Dr. Yogesh Angal	Fusion based approaches for detecting and tracking objects from image and video data for autonomous vehicle	21.2.2020
14	Shubhangi Patil	Guide:Dr.S.C.Patil Co-Guide: Dr.S.A.Bhisikar	Classification and detection of brain MR images for Alzheimer disease using deep learning approach with attention mechanism	4.9.2023
15	Arman Shaikh	Dr.S.A.Paithane	Computational auditory scene analysis. Developing deep learning algorithm for reducing artifacts	4.9.2023
16	Pornima Bhalerao	Dr.B.D.Jadhav	Early Recognitions and Classifications of Pomegranate plant Diseases by Convolutional Neural Network	4.9.2023
17	Shubhangi Vibhute	Guide:Dr.S.C.Patil Co-Guide: Dr.S.A.Bhisikar	Optimization Of Energy Efficiency in MIMO System Using Novel Deep Learning Approach For 6G	20.03.2021
18	Akshata Supekar	Dr.S.C.Patil	Design and development of portable navigation aid for disabled person using image, audio and text.	6.3.2018
19	Amruta takwale	Dr.A.N.Paithane	Design a efficient system for Human Decision Capability Using Machine Learning.	14.2.2020
20	Ramgopal Sahu	Dr.S.C.Wagaj	Modelling and Simulation of blockchain technology for security enhancement of 5G system	28.09.2022
21	Priyanka Ramteke	Dr.P.M.Ghate	Securing IoT enable environment at network layer through deep learning	28.09.2022



  
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RAJARSHI SHAHU COLLEGE OF ENGINEERING TATHAWADE, PUNE

Mechanical Engineering Department

Summary of PhD Completed

Count of Title of Thesis	Column Labels							
Row Labels	2018-19	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Grand Total
Dr. A M Badadhe		1						1
Dr. A.V. Ubale					1			1
Dr. J A Hole		1			2			3
Dr. K K Dhande			2					2
Dr. M.S.Deshmukh				1				1
Dr. N K Chougule	1							1
Dr. P A Patil		1						1
Dr. R.R.Arakerimath							1	1
Dr. S N Khan			1					1
Dr. S.S. Lakade					4			4
Dr. V M Kale		1				1		2
<b>Grand Total</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>18</b>



  
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**RAJARSHI SHAHU COLLEGE OF ENGINEERING TATHAWADE,PUNE**

**Mechanical Engineering Department**

**List of PhD Completed**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Name of Guide</b>	<b>Title of Thesis</b>	<b>Completion Year</b>
1	Adik Takale	Dr. N K Chougule	Experimental investigations of machining characteristics in wire EDM of tiny shape memory alloy.	2018-19
2	Pradhya Kosbe	Dr. P A Patil	Heat transfer and frictional characteristics of polymer composite materials for brake pad material using different additives.	2020-21
3	Mahesh Bhong	Dr. V M Kale	Experimental investigation and analysis of the air dryer for agriculture produce.	2020-21
4	Wankhade Sagar	Dr. J A Hole	Development of solar powered tetrafluoroethane (R134A)- Dimethyl formamide (DMF) absorption air cooling system.	2020-21
5	Rajesh Pote	Dr. A M Badadhe	To evaluate experimentally, combustion and emission performance of waste tyre pyrolysis oil on variable compression ratio, single cylinder diesel engine.	2020-21
6	Santosh Jadhav	Dr. K K Dhande	Design and development of compliant XY micro motion stage.	2021-22
7	Marallapalle Bapurao	Dr. S N Khan	Design and analysis of forming parameters in hydrforming sheet metal process.	2021-22
8	Prakash Patil	Dr. K K Dhande	Experimental and numerical investigation of heat transfer in stationary passage with W-shape, semicircular and multisemicircular shape ribs with dimples.	2021-22
9	Shailesh Pimpale	Dr. M.S.Deshmukh	Investigation of femur implant properties on acetabulum(HIP Bone) erosion.	2022-23
10	Patil Bhushan L.	Dr. J A Hole	Experimental investigation and performance evaluation of solar still using phase change material (PCM)	2023-24
11	Pawar Sumod K.	Dr. J A Hole	Experimental investigation to enhance the calorific value of selected biodiesel by addition of linoleic acid separated from xanthium strumarium L.seed oil.	2023-24
12	Dive Vikas Pralhad	Dr. S.S. Lakade	Development of a NDT set up for in Situ through thickness measurement of residual stresses in metallic materials.	2023-24
13	Vrushali Yogesh Bhal	Dr. S.S. Lakade	Optimisation of bearing life with surface improvement by boron nanoparticle doping on bearing rings and rollers.	2023-24
14	Abhijit Kore	Dr. S.S. Lakade	Thermal Analysis of Jaggery Plant Based on Dual Fuel.	2023-24
15	Pankaj Anjankar	Dr. S.S. Lakade	Performance Evaluation of Falling Film Evaporator using	2023-24
16	Joshi Manoj M.	Dr. A.V. Ubale	Design and formability analysis of tailor made blanks.	2023-24
17	Gurav Kailas	Dr. V M Kale	Experimental Investigation on Epoxy Granite Material for Structural Component of a Machine.	2024-25

18	Chaudhari Pawan Bhas	Dr. R.R.Arakerimath	Design ,Development and analysis of multistage catalytic converter for HCCI Engine.	2025-26
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**JSPM'S**  
**RAJARSHI SHAHU COLLEGE OF ENGINEERING TATHAWADE,PUNE**  
**Mechanical Engineering Department**  
**Summary of PhD Pursuing**

Count of Title of Thesis Row Labels	Column Labels							Grand Total
	2015-16	2017-18	2019-20	2021-22	2022-23	2023-24	2025-26	
Dr. A M Badadhe			2			1	1	4
Dr. J.A.Hole					1	1	1	3
Dr. Abhay Pawar / Dr. J.A.Hole	1	1						2
Dr. A M Badadhe/ Dr. N.S.Mujumdar			1					1
Dr. Manoj Kumbhalkar					2			2
Dr. R.J.Patil		1		2	3			6
Dr. R.R.Arakerimath		1			1			2
Dr. S N Khan				1	2			3
Dr. S N Khan / Dr. S.G. Kandalkar					1			1
Dr. S.S.Lakade						1		1
<b>Grand Total</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>10</b>	<b>3</b>	<b>2</b>	<b>25</b>



  
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**JSPM'S****RAJARSHI SHAHU COLLEGE OF ENGINEERING TATHAWADE, PUNE****Mechanical Engineering Department****Thesis Title of PhD Pursuing**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Name of Guide</b>	<b>Date as per topic approval letter</b>	<b>Year as per topic approval letter date</b>	<b>Mobile No.</b>	<b>Title of Thesis</b>
1	Vele Nandkumar S.	Dr. A M Badadhe	25/02/2020	2019-20	7887956712	Theroretical and experimental investigation of glass fiber composite with secondary Nano fiber to enhance fracture toughness using VARTM processes
2	Patil Abhijit Anandrao	Dr. R.J.Patil	23/03/2018	2017-18	8888835525	Experimental and Numerical Investigation of Pump as a Turbine (PAT)
3	Nikhil K. Purvant	Dr. A M Badadhe	25/02/2020	2019-20	9699146299	Design, Modeling and Validation of Effective Cooling Techniques for Photovoltaic
4	Aniket M. Akhade	Dr. R.J.Patil	30/04/2022	2021-22	9730045172	Experimental analysis of solar powered Stirling engine using Schaeffer reflector.
5	Ashish A. Desai	Dr. S N Khan	10/12/2022	2022-23	9322481154	Investigate the effect of Laser cutting process parameter on the machining of Fiber reinforced polymer composites with different resin
6	Saicharan Suryawanshi	Dr. R.J.Patil	10/12/2022	2022-23	9021445141	Experimental Investigation and vibration based condition analysis for varying load of gear box with spur gear arrangement to increase reliability
7	Shailesh S. Parkhe	Dr. R.J.Patil	30/04/2022	2021-22	8788397156	Experimental Analysis of Friction stir welded aluminium AA3103 Joint.

8	Yogesh Kodhilkar	Dr. R.J.Patil	10/12/2022	2022-23	8459109257	material from Sustainable machining perspective for small scale industries pertaining to Nasik Industrial Area.
9	Manojkumar S. Chavhan	Dr. R.J.Patil	16/09/2022	2022-23	8830816374	Experimental Investigation for improvisation in SOC and SOH of battery through artificial
10	Narayan H. Mane	Dr. Manoj Kumbhalka	16/09/2022	2022-23	9309838473	Design & Development of intelligent system to detect faulty joint -reducer in industrial robots
11	Ashish B. Patil	Dr. Manoj Kumbhalka	9/5/2023	2022-23	8087439530	Development of Condition Monitoring System for Wear Failure Investigation of Railway Wheel
12	Amit V. Bhise	Dr. S N Khan / Dr. S.G. Kandalkar	9/5/2023	2022-23	8975764381	Datum Management system for BIW Assemblies to enhance Car-Bodydimensional quality
13	Mangeshkumar B. Bankar	Dr. A M Badadhe	25/01/2024	2023-24	9730949108	Investigation of Contact Fatigue Failure of Steel based Sintered Spur Gear Subjected to Variation of Powder Chemistry
14	Ashish R. Devshette	Dr. J.A.Hole	9/5/2023	2022-23	7588237948	Investigation on the Battery Management System of Li - Ion Battery using Phase Change Material
15	Omkar N. Jagdale	Dr. S.S.Lakade	14/09/2023	2023-24	8999683169	Numerical And Analytical Investigation of Vertical Axis Wind Turbine using Composite Materials
16	Saravanan V. S.	Dr. J.A.Hole	9/1/2024	2023-24	8087950846	Experimental investigation and performance improvements of solar photovoltaic panel cleaning system for societal benefit.
17	Arun M. Meshram	Dr. R.R.Arakerimath	9/5/2023	2022-23	9860632748	Micro ultrasonic machine

18	Mahesh Nana Pradhan	Dr. S N Khan	9/5/2023	2022-23	9673740757	Enhancing the Damping Properties of Composite Material
19	Pandey Krishan P.	Dr. J.A.Hole	Letter Awaited	2025-26	9766459339	Multiscale modelling and experimental validation of optimized carbon nano fibres glass composites for ballistic applications.
20	Kamble Rajesh R.	Dr. A.M.Badadhe	Letter Awaited	2025-26	9975781843	Investigation of Wear Performance of Aluminium Titanium Nitride Coated Disc Brake in Automotive Applications.
21	Kajale Tejaswita P.	Dr. Abhay Pawar/ Dr. J.A.Hole	2/5/2016	2015-16	7709366131	Experimental Investigation of CI Engine and Development of Semi-Empirical Model for Emission Prediction
22	Ghule Vikram M.	Dr. Abhay Pawar/ Dr. J.A.Hole	23/03/2018	2017-18	9096705353	Experimental investigation of heat transfer rate and fluid flow performance in crosscut wavy microchannel with and without nano fluid
23	Ashay Doke	Dr. A M Badadhe/ Dr. N.S.Mujumdar	25/02/2020	2019-20	9764400752	Mathematical Modeling and Experimental investigation of Electro Chemical Discharge Machining on Borosilicate Glass with Mixed Electrolytes
24	Niraj P. Kulkarni	Dr. S N Khan	30/04/2022	2021-22	8888966366	An Autonomus camouflage colour adaptive robot with aerial drone targeting , enemy threat detection and automated shooting using AI.
25	Kale Dipak Rajendra	Dr. R.R.Arakerimath	15/03/2018	2017-18	7755903474	Analysis of crack and failure modes of turbine blade for life enhancement.



  
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**JSPM'S Rajarshi Shahu College of Engineering Tathawade Pune**  
**PhD Completed Civil Engineering**

Count of Name of Research Scholar	Column Labels								
Row Labels	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	(blank)	Grand Total
Dr. A G Kharat	1	1							2
Dr. A W Dhawale				1	1				2
Dr. R K Jain	1			1	1	1			4
Dr. R K Lad			1			2			3
Dr. S B Thakare		1							1
Dr. S S Shahpure	1		1		1	1			4
Dr. Shahpure S S							2		2
Dr. W. N. Deulkar							2		2
(blank)									
<b>Grand Total</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>4</b>		<b>20</b>



  
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**JSPM'S Rajarshi Shahu College of Engineering Tathawade Pune**  
**PhD Completed**  
**Civil Engineering**

<b>S.No.</b>	<b>Name of Research Scholar</b>	<b>Title of Thesis</b>	<b>Year of Passing</b>	<b>Guide</b>
1	Mrs. PurandareAnuradha	Effect of Liquifaction due to earthquake on soil Properties	2019-20	Dr. R K Jain
2	Mrs. Joshi Mrunal M	Flood susceptibility analysis of part of Bhima river basin of Pandharpur region, Solapur District, Maharashtra	2019-20	Dr. S S Shahpure
3	Muthekar vijay vitthal	Empirical and Theoretical Investigation for Groundwater exploration using Light interference Technique in pune region.	2019-20	Dr. A G Kharat
4	Vasatkar Arjun	Empirical and theoretical investigation of Earthing Aspect in multistoried Residential built Environment	2020-21	Dr. A G Kharat
5	Suryavanshi Nagesh Tatoba	Evaluation of Self Curing Possibilities of meta Caolin based high strength concrete unified by super absorbent polymer.	2020-21	Dr. S B Thakare
6	Patil Shivaji	Spatio-Temporal Distribution of Ground Recharge in Upper Bhima Basin using Geoinformatics	2021-22	Dr. R K Lad
7	Ban Syambhau Gopalrao	Impact of Land Use and Land Cover on Reservoir Sedimentation	2021-22	Dr. S S Shahpure
8	Mrs.Rayjade Supriya Chandrakant	Identification of Suitable Site for Rain Water Harvesting Structures in Urban Area for Ground Water Recharge Using Geomatic Approach	2022-23	Dr. A W Dhawale
9	Mrs. Yeole Mayura Milind	Multiscale Model Development Using Characteristics of Road and Mixed Traffic Flow for Accident Prediction	2022-23	Dr. R K Jain
10	Barkale Akshay Dattatraya	Parametric Studies on Fiber Reinforced Polymer Retrofitted Reinforced Concrete Beams Exposed to Varied Environment	2023-24	Dr. A W Dhawale
11	Banne Shailendra P	Experimental Investigation of Laterite soil with biopolymer	2023-24	Dr. S S Shahpure
12	Sanjay Nayak	Mechanistic Analysis and Performance Evaluation of Continuous Reinforced Concrete Pavement with Optimised Thickness	2023-24	Dr. R K Jain
13	Bobade Snehal Uttam	A Fuzzy Approach Accidental Black Spot Severity Index and Level of Express ways and National Highways in a Region	2024-25	Dr. R K Lad
14	Nagure Apama	Rainfall runoff Analysis for Flood Prediction by Using Artificial Neural Network	2024-25	Dr. S S Shahpure
15	Kulkarni Kalyani	A Fuzzy Approach for Supportive carrying Capacity of Air Pollution Load in a region	2024-25	Dr. R K Lad
16	Deulkar Aparna	Rainfall Runoff Modelling Using Deep Learning Technique	2024-25	Dr. R K Jain
17	Saharkar Upendra	Water Management using Hydrological Modeling and Geospatial Tools for Watershed	2025-26	Dr. Shahapur
18	Waghmare Mahesh	An Evaluation of the Effects of Climate Change on Flood Frequency	2025-26	Dr. Shahapur
19	Taware Akshaya	Response Modification Factor for Various Configuration of Hybrid Lateral Load Resisting System	2025-26	r. W. N. Deulk
20	Jagdale Umesh	Strength and Damage Evaluation of Non Engineered Structures Using PZT Sensors	2025-26	r. W. N. Deulk

**JSPM'S Rajarshi Shahu College of Engineering Tathawade Pune**  
**PhD Pursuing Civil Engineering**

Name	Column Labels									
	10.03.21	11.03.21	12.03.21	16.5.23	18.10.22	19.6.23	21//09/23	5.5.22	(blank)	Grand Total
Dr. A W Dhawale	1				1					2
Dr. Dubal R A				2		1	1			4
Dr. Kharmale S B		1								1
Dr. Shahapure S S					2			1		3
Dr. Swati kulkarni							2			2
Dr. W. N. Deulkar			1				1			2
(blank)										
<b>Grand Total</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>1</b>		<b>14</b>



*(Signature)*  
**DIRECTOR**  
 Jayawant Shikshan Prasarak Mandal's  
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**JSPM'S Rajarshi Shahu College of Engineering Tathawade Pune**  
**Civil Engineering**  
**PhD Pursuing**

S. N	Name of Research Scholar	Guide	Topic	Date of admission
1	Kantish Vishwanath Chaurpagar	Dr. Kharmale S B	Seismic Performance assessment of cold form steel frame wall with brittle and ductile sheathing	11.03.21
2	Nikhil Patil	Dr. W. N. Deulkar	Damage vulnerability Assessment of Ductile wall under Blast loading	12.03.21
3	Mawale Gayatri Nitin	Dr. A W Dhawale	Analysis of Sedimentation and Capacity Reduction in a Reservoir Applying Geospatial Techniques.	10.03.21
8	Urmila Mahadik	Dr. Shahapure S S	Development of Risk Assessment Model for Flood Pron Area	5.5.22
9	Amruta Kulkarni	Dr. Dubal R A	Enhancing the properties of concrete using basalt fibres and GGBS	16.5.23
10	Gulve Tejashri	Dr. Dubal R A	Performance Based Seismic Design of Reinforced Concrete Moment Resistant Frames with Soil Structure Interaction	16.5.23
11	Salunkhe Ramesh	Dr. Dubal R A	Assessment of Soil- Structure Interaction for Reinforced Concert Building in Seismic-prone regions	19.6.23
12	Kalpana Patil	Dr. Shahapure S S	To develop an innovative and efficient seismic retrofitting system using expanded metal mesh panel for seismic upgradation of nonseismic building	18.10.22
13	Sandeep Khunte	Dr. Shahapure S S	Establishing correlation between Atmospheric parameters and Satellite based Positioning System	18.10.22
14	Amit Raheja	Dr. A W Dhawale	Quantitative Analysis of Watershed for Sustainable Development using Geospatial Techniques	18.10.22
15	Barelikkar Suraj	Dr. Dubal R A	Parametric Study Of Soil Structure Interaction (SSI) For High Strength Low Alloy (HSLA) G+20 With X Type Braced R.C. Frame	21//09/23
16	Amit sodmise	Dr. Swati kulkarni	Buckling Behaviour of Slender Column Due to Types of Column Beam Connection under Dynamic Loading	21//09/23
17	Aniket Rupwate	Dr. Swati kulkarni	Innovative Geopolymer Concrete: Study on Mechanical Stability, Microstructure, and Cost Efficiency for Construction Solutions	21//09/23
18	Supekar G S	Dr. W. N. Deulkar	Efficient Configuration of Steel Lateral Load Resisting System (LLRS) Considering Progressive Collapse	21//09/23



JAYAWANT SHIKSHAN PRASARAK MANDAL'S  
**RAJARSHI SHAHU COLLEGE OF ENGINEERING**

An Empowered Autonomous Institute Affiliated to Savitribai Phule Pune University-I.D. No.: PU/PN/Engg./173(2001)

AISHE CODE C - 41614

**Prof.Dr.T.J. Sawant**  
B.E.(Elec.) PGDM,Ph.D  
Founder Secretary

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**Dr. Santosh P. Bhosle**  
M.Tech.(Prod.) Gold Medallist,  
Ph.D. (Mech.),M.B.A. (H.R.)  
Director

**PhD Admitted Students (Topic confirmation is in Process but yet not confirmed)**

Sr.No.	FullName	Category	Subject	Topic	Status
1	Rajesh Ramesh Kamble	SC	Mechanical Engineering	Investigation of Wear Performance of Aluminium Titanium Nitride Coated Disc Brake in Automotive Applications.	Print Topic Details
2	Archana Prashant Patil	OBC	Financial Management	IMPACT OF SOCIAL MEDIA INFLUENCERS ON RETAIL INVESTORS' DECISION-MAKING	Submit for Approval
3	Pooja Vitthal Karale	OPEN	Financial Management	Comparative Study of Return on Investment for Retail Investors adopting Traditional vis-a-vis AI Driven Financial Services	Submit for Approval
4	Nima Ravindra Talathi	OPEN	Financial Management	A STUDY OF PERSONAL FINANCIAL MANAGEMENT AMONG GEN Z	Submit for Approval
5	Shilpa Jagannath Athawale	SC	Financial Management	"Impact of Fintech on Mutual Fund Investment among Millennials".	Submit for Approval
6	Satish Vasanttrao Malewar	OPEN	Electronics & Telecommunication Engineering	To develop a deep learning-based channel estimation framework for cellular network MIMO systems to improve estimation accuracy and system robustness in dynamic environments.	Print Topic Details
7	Piyush Avinash Gangarde	OBC	Electronics & Telecommunication Engineering	Analysis and Predication of Soil Fertility for Smart Agriculture	Submit for Approval
8	Shalu Gangadhar Mahajan	OBC	Computer Engineering	Design and Development of Efficient Deep Learning Model for Disease Prediction from Tongue Image Analysis	Submit for Approval
9	Dnyaneshwar Sahane	OPEN	Electronics & Telecommunication Engineering	Augmented Intelligence Prognostics and Health Management (PHM) for	Print Topic Details

				Industrial Boilers using AI and IoT.	
10	Tejaswini Arun Patil	OPEN	Computer Engineering	Multimodal Deepfake Detection Using a Hybrid Deep Learning Framework with Explainable AI Integration	Submit for Approval
11	Krishan Pandey	OPEN	Mechanical Engineering	Multi-scale Modeling and Experimental Validation of Optimized Carbon Nano-fiber-Glass Composites for Ballistic Applications	Student Submit Topic Details
12	Vishwal Ramesh Deshmukh	NT(C)	Civil Engineering	"Synergistic Performance Enhancement of Recycled Clay Brick Aggregate Concrete Through Waste Fiber Integration and Hybrid Steel/Glass Fiber-Reinforced Polymer (GFRP) Reinforcement Systems."	Student Submit Topic Details
13	Aparna Utkarsh Hajare	OBC	Computer Engineering	Design of Intelligent Explainable Obesity Risk Assessment Technique	Submit for Approval
14	Vaishali Mahesh Salgar	NT(C)	Computer Engineering	Artificial Intelligence-Based Health Risk Analysis and Stratification of Diabetic Patients	Submit for Approval
15	Vrushali Vitthal Kondhalkar	OPEN	Computer Engineering	Development of a Context-Aware Hybrid Sanskrit-to-English Translation Model for Enhanced Ayurveda Diagnosis Interpretation	Submit for Approval



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