



AR2407145

**Savitribai Phule Pune University**  
**Annual Report Information 2023-2024**  
**Planning and Development**

College Details						
1.	Name Of the Department/College/Institute	:	Shree Ramchandra Education Society , Lonikand, Pune Shree Ramchandra College of Engineering Addr: Gut No 351 and 333/1 A/p Lonikand Pune-Nagar Road Ta: Haweli (excluding Corporation Area) Dist: Pune	2.	Address Of the Department/College/Institute : Gut No 351 and 333/1 A/p Lonikand Pune-Nagar Road Ta: Haweli (excluding Corporation Area) Dist: Pune Pincode: 412216	
3.	Name Of the Head/Principal/Director	:	Avinash Dattatray Desai	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address : Tele.- 09595940195 Email- srcoepune@gmail.com URL- www.srespune.org	
5. Reference Books/Monographs Published by Teacher (2023-2024) :						
Sr. No.	Name of the Teacher(s)/Author	Title of the Reference Books/Monographs	Name and Place of Publisher(s)	Date of Publication	Isbn/Issn No.	
1	Londhe Dhanshri Rohidas	ARTIFICIAL INTELLIGENCE AND ITS APPLICATIONS	AG PUBLISHING HOUSE	2024	NIL / NIL	
2	Labhade Neelam Sahebrao	Artificial Intelligence	Jec Publication	2023	?9357498400 / 978-9357498401	
3	LABHADE-KUMAR Neelam	Hybrid Approach for shot boundary detection based on machine learning	LAP Lambert Academic Publishing	2024	978-620-5-63092-1. / 978-620-5-63092-1.	
6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2023-2024)						
Sr. No.	No. of State Level	No. of National Level	No. of International Level			
1	2	0	1			
7. Research Publications in National and International Journals/Edited Books/Proceedings (2023-2024)						
Sr. No.	Name of the Teacher's/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	Labhade Neelam Sahebrao	Accident prevention and management system in urban VANET for improving slippery roads ride after rain	Journal of environmental protection and ecology	25 & 586	2024	1311-5065 / 1311-5065
2	Labhade Neelam Sahebrao	A Compact High Gain Patch Array Antenna for RFID Application", Indian Journal of Technical Education	Indian Journal of Technical Education	47 & 267	2024	0 / 0



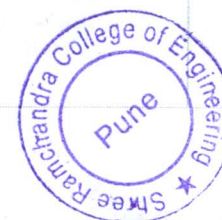




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3	Labhade Neelam Sahebrao	13. Optimizing Cluster Head Selection in Wireless Sensor Networks Using Mathematical Modeling and Statistical Analysis of The Hybrid Energy-Efficient Distributed (HEED) Algorithm	Communications on Applied Nonlinear Analysis	31 & 15	2024	1074-133X / 1074-133X
4	Labhade Neelam Sahebrao	Adaptive Hybrid Bird Swarm Optimization Based Efficient Transmission In WSN	Journal of Pharmaceutical Negative	14 & 4	2023	0 / 2229-7723
5	Turai Vaishali Rama	Productivity Improvement and Waste Minimization Using Lean Technology in Construction	International Journal of All Research Education and Scientific Methods	11 & 6	2023	- / 2455-6211
6	Turai Vaishali Rama	Automatic Marker Generation to Similarity Based Region Merging Algorithm using edge Information	Journal of Electrical Systems	20 & 14	2024	- / 2227-2240
7	Desai Avinash Dattatray	Experimental study of single bed prototype adsorption refrigeration unit using waste heat energy	Materials Today: Proceedings	49(1) & 8	2023	23943386 / 23943386
8	Kondakinda Sujatha Chandra	Off-Road Pathfinding: A Flexible Algorithm for Terrain-Driven Geographical Features	Solovoyov Studies ISPU	71 & 89	2023	20769210 / 20769210
9	Kondakinda Sujatha Chandra	Dwell Well system Based On Anomaly Detection	Journal For Basic Sciences(JBS)	13 & 298	2023	- / 1934-7197
10	Kondakinda Sujatha Chandra	Electromagnetic Connection Between Plasmonic Nanostructures And Chiral Chemical Layers To Induce Chirality	International Journal Of Applied Engineering & Technology	5 & 74	2023	26334828 / 26334828
11	Kondakinda Sujatha Chandra	Improving Object Detection Accuracy in Autonomous Vehicles: GAN Based Mitigation of One-Pixel Errors and Enhanced Performance in Critical Weather Conditions	Solovoyov Studies ISPU	71 & 81	2023	20769210 / 20769210

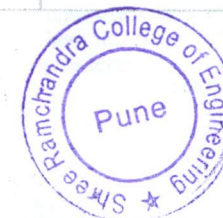




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12	Kondakinda Sujatha Chandra	A MNN Base Waste Segregation by using Robotic ARM	Tanz Research Journal	10 & 69	2024	18697720 / 18697720
13	Kondakinda Sujatha Chandra	Using Large Language Model To Answer Coal Mining Queries	Journal For Basic Sciences(JBS)	23 & 669	2023	- / 10068341
14	Meshram Reena Roshan	Survey towards Helmet Detection Using Artificial Intelligence	IJRSET	12 & 4	2023	2347-6710 / 2347-6710
15	Meshram Reena Roshan	"E-Agriculture"	IJIR	12 & 3	2023	2347-6710 / 2347-6710
16	Meshram Reena Roshan	Survey towards Helmet Detection Using Artificial Intelligence	IJRSET	3 & 3	2023	2581-9429 / 2581-9429
17	Meshram Reena Roshan	Enhancing Agriculture Efficiency: MySQL Powered Java Solution	IJRSET	11 & 3	2023	2320-9798 / 2320-9798
18	Labhade Neelam Sahebrao	8. Multi-cardless ATM Using Face Recognition	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	12 & 6	2023	0 / 2319-8753
19	Labhade Neelam Sahebrao	To Study Different Algorithms of Machine Learning to Detect Mobile Botnets	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	12 & 3	2023	0 / 2581-9429
20	Labhade Neelam Sahebrao	11. Botnet Detection using SVM Algorithm	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 6	2023	0 / 2581-9429
21	Labhade Neelam Sahebrao	To Study Different Types of Supervised Learning Algorithm	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	3 & 7	2023	0 / 2581-9429
22	Labhade Neelam Sahebrao	To Study the Different Types of Face Reorganization Algorithm	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT),	3 & 6	2023	0 / 2581-9429
23	Labhade Neelam Sahebrao	Implementation of Intrusion Detection System Using Random Forest and Support Vector Machine Algorithms	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	12 & 8	2023	0 / 2319-8753





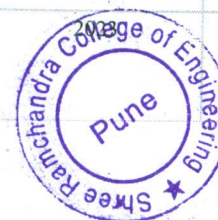


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24	Labhade Neelam Sahebrao	TO STUDY DIFFERENT TYPES OF MACHINE LEARNING ALGORITHM FOR GESTURE RECOGNITION	International Research Journal of Modernization in Engineering Technology and Science	5 & 4	2023	0 / 2582-5208
25	Labhade Neelam Sahebrao	Advancing device and network security for enhanced privacy	The Scientific Temper	14 & 12711276	2023	0976-8653 / 1271-1276
26	Labhade Neelam Sahebrao	Developing interpretable models and techniques for explainable AI in decision-making	The Scientific Temper	14 & 13241331	2023	09768653 / 09768653
27	Labhade Neelam Sahebrao	Advancing device and network security for enhanced privacy	The Scientific Temper	14 & 1271	2023	2231-6396 / 0976-8653
28	Labhade Neelam Sahebrao	Developing interpretable models and techniques for explainable AI in decision-making	The Scientific Temper	14 & 1324	2023	2231-6396 / 0976-8653
29	Labhade Neelam Sahebrao	Enhancing Ai Model Security Using A Hardware-Based Approach For Protecting FPGA Implementation	ICTACT JOURNAL ON MICROELECTRONICS	9 & 1663	2024	2395-1680 / 2395-1680
30	Labhade Neelam Sahebrao	Enhancing Ai Model Security Using A Hardware-Based Approach For Protecting Fpga Implementation	ICTACT JOURNAL ON MICROELECTRONICS	9 & 16631669	2024	2395-1680 / 2395-1680
31	Labhade Neelam Sahebrao	Combining Hand-crafted Features and Deep Learning for Automatic Classification of Lung Cancer on CT Scans	Journal of Artificial Intelligence and Technology	0 & 1	2023	2766-8649 / 2766-8649
32	Labhade Neelam Sahebrao	Enhancing Crop Yield Prediction in Precision Agriculture through Sustainable Big Data Analytics and Deep Learning Techniques	Carpathian Journal of Food Science and Technology	0 & 1	2023	2066-6845 / 2066-6845
33	Labhade Neelam Sahebrao	Design and Characterization of a Small-Sized P – Shaped antenna for 6.5GHz resonating Frequency	Indian Society for Technical Education	46 & 147151	2023	0971-3034 / 0971-3034

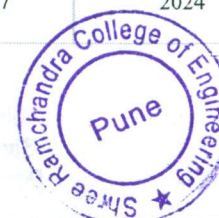




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34	Labhade Neelam Sahebrao	11. Study of Different Sensors used in IoT	Indian Journal of Technical Education	47 & 136	2024	0 / 0971-3034
35	Labhade Neelam Sahebrao	12. Study on Object Detection Algorithm	Indian Journal of Technical Education	47 & 14	2024	0 / 0971-3034
36	Sayyad Gulnaj Bapu	MACHINE LEARNING: FRAUD DETECTION SYSTEM	IJCRT	12 & 14	2024	2320-2882 / 2320-2882
37	PAWAR SHAHAJI PRAKASH	COMPARISON OF FLAT SLAB AND CONVENTIONAL SLAB STRUCTURES CONSIDERING SEISMIC BEHAVIOR	IJARIE	9 & 8	2023	- / 2395-4396
38	Pawar Shahaji Prakash	UTILIZATION OF WASTE PLASTIC IN PRODUCTION OF BRICKS	IJRAR	10 & 10	2023	- / 2348-1269
39	Yelbhar Mahesh Dinkar	USE OF POLYETHYLENE BITUMINOUS ROAD	IJSART	9 & 4	2023	2395 / 1052
40	Yelbhar Mahesh Dinkar	GREY WATER TREATMENT BY PHYPOREMEDIATION	IJARIE	9 & 4	2023	2395 / 4396
41	Bhane Ajeet Bhagwat	DESIGN & ANALYSIS OF CABIN MOUNTING BRACKET FOR HEAVY VEHICLE	Innovative Journal for Opportunities and Development in Science & Technology	3 & 13	2023	- / 2582-6026
42	Bhane Ajeet Bhagwat	A LAYERWISE FINITE ELEMENT FORMULATION FOR THE FREE VIBRATION ANALYSIS OF LAMINATED COMPOSITE AND SANDWICH PLATES	JOURNAL OF AERONAUTICAL MATERIALS	43 & 8	2023	- / 1005-5053
43	Bhane Ajeet Bhagwat	MECHANICAL AND TRIBOLOGICAL CHARACTERISTICS OF NANO COMPOSITES FOR DRY SLIDING	CORROSION AND PROTECTION	51 & 6	2023	- / 1005-748X
44	More Yogita Ashok	Stock Market Prediction using Deep Learning	Journal of Harbin Engineering University	45 & 7	2024	0 / 1006-7043







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45	More Yogita Ashok	Bone fracture detection using Convolution Neural Network	Journal of Basic Science and Engineering	Vol.21 & 11	2024	0 / 1005-0930
46	Londhe Dhanshri Rohidas	Real Time Attention and Attendance Monitoring System and Mobile Learning	Journal of Harbin Engineering University	Vol 45 No. 3 & 8	2024	0 / ISSN: 1006-7043
47	Patil Shivshankar Sakharan	noise pollution control using agricultural waste	TJER - INTERNATIONAL RESEARCH JOURNALS	1.0 ISSUE 5 & 8	2023	2349-9249 / 2349-9249
48	Patil Shivshankar Sakharan	An experimental investigation on concrete by partial replacement of fine aggregate with copper slag and coarse aggregate with ceramic waste	INTERNATIONAL RESEARCH JOURNAL OF MODERNIZATION IN ENGINEERING TECHNOLOGY AND SCIENCE	3 & 6	2023	- / ISSN:2582-5208
49	Patil Shivshankar Sakharan	Grey Water Treatment by Phytoremediation	International Journal of Advanced Research and Innovative Ideas in Education	Vol-9 Issue-3 2023 & 8	2023	- / IJARIE-ISSN(O)-2395-4396
50	Labhade Neelam Sahebrao	Experimental Design of Electricity Theft Detection and Alert System Using Arduino Assisted Controller and Smart Sensors	7th International Conference on Inventive Computation Technologies	7	2024	979-8-3503-5929-9 / 979-8-3503-5929-9

**8. Research Projects/Schemes Undertaken by Teachers (2023-2024)**

Sr. No.	Name of the Investigator(s)	Faculty	Title of the Research Project/Scheme	Name of the Funding Agency	Duration of the Project/Scheme	Amount Sanctioned (Rs.)	Major/Minor
NA	NA	NA	NA	NA	NA	NA	NA

**9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2023-2024)**

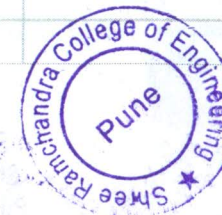
Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	4	7	2

**10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2023-2024)**

Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	18	0	0	0

Principal

Shree Ramchandra Education Society's  
Shree Ramchandra College of Engineering  
Pune-Nagar Road, Lonikand, Pune-412216







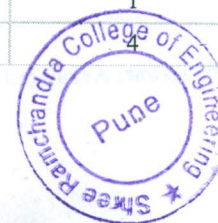
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11. Grants Sanction for Funding Agency (2023-2024)					
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	NA	NA	NA	NA	NA

12. Faculty Wise Enrollment Of Students (2023-2024)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	27	3	0	1	0	1	0	3	11	1	0	47
	MALE	54	11	0	2	0	2	6	1	21	4	0	101
TOTAL		81	14	0	3	0	3	6	4	32	5	0	148

13. Statistical Information about Teacher for Academic Year ( 2023-2024 )							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(C)	0	0	0	1	0	1
2	NT(D)	0	0	0	1	0	1
3	OBC	0	0	0	4	1	5
4	OPEN	3	1	4	7	2	9
5	SC	0	0	0	1	1	2
	Total	3	1	4	14	4	18





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**14) Environment Conservation :**

**Tree Plantation Drive :**

Number of Programmes Arranged	Number of Trees Planted
1	350

**River Conservation :**

Number of Programmes Arranged	Total Number of Participants
1	47

**Soil Conservation :**

Number of Programmes Arranged	Total Number of Participants
1	26

**Water Conservation :**

Number of Programmes Arranged	Total Number of Participants
1	70

**Any Other :**

Name of Programmes Arranged	Number of Programmes Arranged	Total Number of Participants
PUC Test Certificate Program	1	80

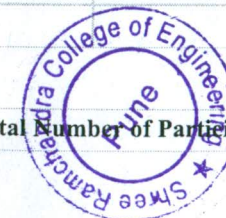
**15) Sports Competition :**

Type	Total Number of Programs Arranged	Total Numbers of participants In each program	Total Number of Award Win(Upto Third Rank)
CollegeLevel	5	350	11

**16) New Voter Registration Campaign :**

Total Number of Programs Arranged	Total Number of Participants
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Shree Ramchandra College of Engineering  
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1	70
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**17) Cultural Activities :**

Activity Type	Level	Total number of Competitions Arranged	Total number of Participants
Oratorical Competition	UniversityLevel	1	1
Debate Competition	CollegeLevel	1	22
Dance Competition	UniversityLevel	1	50

**18) Blood Donation Campaign :**

Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
1	45	32

**19) Cleanliness Campaign :**

Total Number of Campaigns Arranged	Total Number of Participants
1	80

**20) Women Empowerment & Security:**

Total Number of Programs Arranged	Total Number of Participants
1	80

**21) Seminar :**

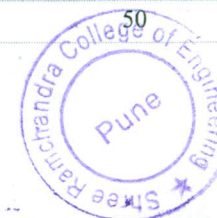
**University Level :**

Total Number of Seminars Arranged	Total Number of Participants
1	50

**State Level :**

Total Number of Seminars Arranged	Total Number of Participants
2	50

**National Level :**





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Total Number of Seminars Arranged	Total Number of Participants
0	0

**International Level :**

Total Number of Seminars Arranged	Total Number of Participants
0	0

**22) Placement Activity :**

No. of Campus Drives	No. of Student Participants in Campus Drives	No. of companies visited for campus drives	No. of Student Placed (UG)	No. of Student Placed (PG)	Total Number of Placements done
12	140	10	84	12	96

**23) Student Exchange and Faculty Exchange Program :**

Total Number of Student Exchange Programs Arranged	Total Number of Students went under Student Exchange Program	Total Number of student Participated in Student Exchange	Total Number of student hosted from other MSBTE SAP
0	0	0	0
Total Number of Faculty Exchange Programs Arranged	Total Number of Students went under Teachers Exchange Program	Total Number of Faculty Participated in Faculty Exchange	Total Number of Faculty hosted from other MSBTE TAP
0	0	0	0

**24) Constitution Week Campaign :**

Total Number of Programs Arranged	Total Number of Participants
1	120

**25) Conduction of value Enhancement Courses (Swayam,Other,Cyber Security):**

Total Number of Programs Arranged	Total Number of Participants
25	302

**26) Memorendum of Understanding :**

Internship MOU :

10 of 12

*(Signature)*

**Principal**  
 Shree Ramchandra Education Society's  
 Shree Ramchandra College of Engineering  
 Pune-Nagar Road, Lonikand, Pune-412216



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During the Year	Total
2023-24	19

**National / Collaboration MOU :**

Number of MoUs	Total
2024-25	19

**International / Collaboration MOU :**

Number of MoUs	Total
0	0

**27) Mental health Awareness Campaign :**

Total Number of Programs Arranged	Total Number of Participants
1	35

**28) Research Paper Patent :**

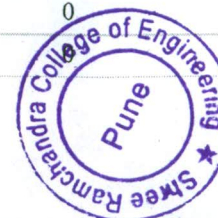
Total Number of Research Paper Published in peer reviewed Journals	Total Number of Research Paper Published in UGC CARE listed Journals	Total Number of Patent Registered
6	12	3

**29) Institutional Award College/Institute :**

Regional	National	International
0	0	0

**30) Awards :**

	Faculty Awards	Student Awards
Regional	0	0
National	0	0
International	0	0





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**31) Academic Excellence:**

Faculty Research		
Scopes/Web of square similar	Peer Recived	UGC Care
6	0	12
Student Research	11	

**32) Grant:**

Research	0	Other	0
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**33) Paper Publication:**

Dessrtation at Masters Level	6
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Date : 14/11/2024

Place : Lonikand, Pune

Signature  
HOD/Principal/Director

**Principal**

Shree Ramchandra Education Society's  
Shree Ramchandra College of Engineering  
Pune-Nagar Road, Lonikand, Pune-412210