Savitribai Phule Pune University
Annual Report Information 2024-2025
Planning and Development

College Details				
1.	**Name Of the Department/College/Institute** :	Shalaka Foundation Keystone School of Engineering Addr: HandewadiUrali Devachi Pune Ta: Pune (corporation Area) Dist: Pune	2. **Address Of the Department/College/Institute** :	HandewadiUrali Devachi Pune Ta: Pune (corporation Area) Dist: PunePincode: 412308
3.	**Name Of the Head/Principal/Director** :	Dr. Sandeep Uddhavrao Kadam	4. **Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address** :	**Tele.-** 02064002600 **Email-** principal@keystonesoe.inURL- www.keystone.ac.in

5. Reference Books/Monographs Published by Teacher (2024-2025) :

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	Barapate Rajesh Anandrao	Network Analysis	TECHNEO PUBLICATION	2024	978-93-88200-44-8 / 978-93-88200-44-8
2	Barapate Rajesh Anandrao	Basic Electronics	TECHNEO PUBLICATION	2024	978-93-5077-865-4 / 978-93-5077-865-4
3	Barapate Rajesh Anandrao	Circuits and Networks	TECHNEO PUBLICATION	2024	978-93-5077-628-5 / 978-93-5077-628-5
4	Barapate Rajesh Anandrao	SIGNALS AND SYSTEMS	TECHNEO PUBLICATION	2024	978-02-3032-243-1 / 978-02-3032-243-1
5	Barapate Rajesh Anandrao	Digital Signal Processing	TECHNEO PUBLICATION	2024	978-02-3032-236-3 / 978-02-3032-236-3
6	Barapate Rajesh Anandrao	Optical Fiber Communication (Elective)	TECHNEO PUBLICATION	2024	978-93-5224-501-7 / 978-93-5224-501-7
7	Barapate Rajesh Anandrao	Computer Signal Processing	TECHNEO PUBLICATION	2024	978-81-8492-831-0 / 978-81-8492-831-0
8	Barapate Rajesh Anandrao	Optical Communication	TECHNEO PUBLICATION	2024	978-81-8492-692-7 / 978-81-8492-692-7

6. No.of Conference, Symposia, Seminars, Workshops etc. Organized (2024-2025)

Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	01	03	NA

7. Research Publications in National and International Journals/Edited Books/Proceedings (2024-2025)

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	Dr. Shukla Veenita	Analyzing Employee Retention Strategies In The It Sector: A Comprehensive Review	IJBMS	4	2025	ISSN (Online): 2208-2190

2	Dr. Shukla Veenita	Design And Implementation Of A Human Resource Information System For Strategic Workforce Planning	IJES	4	2025	ISSN: 2229-7359
3	Prof. Vrushali Wankhede	Building Microservices with Spring Book Applications in Iomt & Financial Services	IJCRT	5	2024	ISSN:2320-2882
4	Prof. Vrushali Wankhede	Artificial Intelligence-Driven Smart Home towards Energy efficiency	IJCRT	6	2024	ISSN:2320-2882
5	Prof. Vrushali Wankhede	Improved Public Cloud Security with Containerization & Block chain Technology	IJCRT	4	2024	ISSN:2320-2882
6	Prof. Vrushali Wankhede	A Comparative study of Generative AI models for Interior designs	IJRASET	5	2024	ISSN: 2321-9653
7	Prof. Manjiri Raut	RECBOT: Web based Laptop Recommendations using Machine Learning	IJRASET	5	2024	ISSN: 2321-9653
8	Dr. Dattatray Jadhav	Web-based Laptop Recommendation using Machine Learning	IJRASET	4	2024	ISSN: 2321-9653
9	Dr. Dattatray Jadhav	A Review of Brain Tumor Detection Techniques Using YOLOv8	IJRASET	6	2024	ISSN: 2321-9653
10	Dr. Dattatray Jadhav	Research on quantifying carbon footprints in indian coal mines and exploring pathways to carbon neutrality	IJRASET	4	2024	ISSN: 2321-9653
11	Prof. Vrushali Wankhede	Loan Eligibility Prediction	IJIRT	5	2025	ISSN: 2349-6002
12	Dr. Sandeep Kadam	An NFMF-DBiLSTM model for human anomaly detection system in surveillance videos	IJEECS	5	2024	ISSN: 2502-4752

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13	Dr. Sandeep Kadam	High-resolution aerial monitoring using DL for identifying abnormal activity based on visual patterns in drone videos	IJEECS	5	2024	ISSN: 2502-4752
14	Dr. Sandeep Kadam	Unveiling mental health with machine learning and deep learning: Exploring applications and navigating challenges	Multidisciplinary Science Journal	4	2024	ISSN: 2675-1240
15	Prof. Sheetal Waghchoure	Machine learning and deep learning models for human activity recognition in security and surveillance: a review	SCI Springer- KAIS	5	2024	
16	Dr. Kaveri Katake	Experimental Investigation on Suppression of Gearbox Vibrations Using Particle Damping Technique	Engineering Research Express	5	2025	
17	Dr. Kaveri Katake	Design and Optimization of Foldable Electric Skateboard	IJFMR	4	2025	E-ISSN: 2582-2160
18	Dr. Kaveri Katake	A Propeller Driven Wall Climbing Robot for Efficient Cleaning and Maintenance in Vertical Environment	IJIR	5	2025	ISSN: 2349-6002
19	Prof. Pankaj Karande	Experimental Investigation on Suppression of Gearbox Vibrations Using Particle Damping Technique	Engineering Research Express	5	2025	
20	Prof. Pankaj Karande	Design and Optimization of Foldable Electric Skateboard	IJFMR	5	2025	E-ISSN: 2582-2160
21	Prof. Mukul Jagtap	A Survey on Big Data in IOT System	IJITR	6	2024	ISSN: 2349-6002, Volume 11, Issue 5
22	Prof. Sonali Shirke	Combating Ddos Attacks With Turing Tests: A Framework For Enhanced Network Security	JETIR	5	2024	ISSN-2349-5162

23	Prof. Mukul Jagtap	Revolutionizing Skin Care Through AI	IJRASET	7	2024	ISSN: 2321-9653
24	Prof. Mukul Jagtap	Survey paper on Quantum Deep Reenforcement Learning for Robot Navigation Task	IJRASET	8	2024	ISSN: 2321-9653
25	Prof. Mukul Jagtap	Detecting Fake Comments using AI	IJRASET	5	2024	ISSN: 2321-9653
26	Prof. Mukul Jagtap	When Digital Economy Meets web 3.0	IJRASET	5	2024	ISSN:2321-9653
27	Prof. Simran Ahuja	Secured Data Storage on the Cloud Using Hybrid Cryptography	IJRASET	4	2024	ISSN:2321-9653
28 29	Prof. Simran Ahuje	Cloud Computing for Startups	IJRASET	6	2024	ISSN:2321-9653
30	Dr. Dattatray Jadhav	Development of the Future Wireless Network Using Cognitive Radio Networks	ICPECTS	5	2024	ISBN: 979-8-3315-0884-5
31	Dr. Dattatray Jadhav	An Enhanced Routing Protocol Design to Perform Cost Efficient Data Communication over Wireless Sensor Networks	ICAAIC	6	2024	ISBN:979-8-3503-7519-0
32	Dr. Dattatray Jadhav	Internet of Things Enabled Gas Leakage Detection Over Industrial Areas using Powerful MQ Series Sensor and Controller	ICICT	5	2024	ISBN:979-8-3503-5929-9
33	Dr. Dattatray Jadhav	Book Chapter- AI for Patient Monitoring: Patient monitoring is a key component of health care industry	IGI Global Scientific Publishing	5	2025	ISBN no 9798369308776

34	Dr. Dattatray Jadhav	Book Chapter: Secure and Transparent Framework by Block Chain Technology	Intech Open	6	2025	ISBN no 978-1-83968-823-2
35	Dr. Sandeep Kadam	Improved OSN Privacy Preservation Approach using the Data Normalization Algorithm	APCIT	5	2024	ISBN:979-8-3503-6153-7
36	Dr. Sandeep Kadam	Hybrid Approach for the OSN Privacy Preservation using Artificial Intelligence	APCIT	8	2024	ISBN:979-8-3503-6153-7
37	Dr. Sandeep Kadam	Enhancing Ddos Attack Detection and Prevention in Mobile IP Networks Using HCIF	GCAT	5	2024	ISBN:979-8-3503-7668-5
38	Dr. Sandeep Kadam	Decentralized Influencer Marketing and Sponsorships	ICBDS	6	2024	ISBN:979-8-3503-5434-8
39	Dr. Sandeep Kadam	Book Chapter- Innovative Scientific Approaches and Digital Methods for Autism Identification and Diagnosis	IGI Global Scientific Publishing	6	2024	ISBN13: 9798369375600
40	Dr. Sandeep Kadam	Review and Challenges: Identify Malnutrition Among Children Under 5 Age	ICRIC	5	2024	ISBN978-981-97-2838-1
41	Dr. Kaveri Katake	Experimental and Computational Performance Analysis of Particle Damping in Spur Gear for Vibration Suppression	7th International conference on Idea, Innovations and Impact in Science and Technology	5	2024	AIP Conf. Proc. 3178 - 120003 (2024)
42	Prof. Pankaj Karande	Experimental and Computational Performance Analysis of Particle Damping in Spur Gear for Vibration Suppression	7th International conference on Idea, Innovations and Impact in Science and Technology	6	2024	AIP Conf. Proc. 3178 - 120003 (2024)
43	Prof Sonali Shirke	Enhancing Ddos Attack Detection and Prevention in Mobile IP Networks Using HCIF	GCAT	7	2024	ISBN:979-8-3503-7668-5

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8.	Research Projects/Schemes Undertaken by Teachers (2024-2025)						
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. (2024-2025)		
Sr. No.	No. of Teachers Attended State Level	No. of Teachers Attended National Level	No. of Teachers Attended International Level
1	75	30	2

10.	No. of Collaboration with International Institute/Colleges/University Department during the Year (2024-2025)			
Sr. No.	MoU	Exchange Program	Exchange of Teachers	Franchise
1	25	NA	NA	NA

11.	Grants Sanction for Funding Agency (2024-2025)				
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	NA	NA	NA	NA	02

12.	Faculty Wise Enrollment Of Students (2024-2025)												
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	62	13	00	00	0	02	07	01	44	03	0	132
	MALE	137	21	01	04	0	00	15	09	67	01	0	255
	TOTAL	199	34	01	04	0	02	22	10	111	04	0	387

| 13. | Statistical Information about Teacher for Academic Year (2024-2025) | | | | | | |

Sr.No.	Category	Granted			Non-Granted		
		Male	Female	Total	Male	Female	Total
1	OBC	0	0	0	11	10	21
2	OPEN	0	0	0	20	29	49
3	SC	0	0	0	04	02	06
	Total	0	0	0	35	41	76

14) Environment Conservation:

Tree Plantation Drive:

Number of Programmes Arranged	Number of Trees Planted
2	59

River Conservation:

Number of Programmes Arranged	Total Number of Participants
1	208

Soil Conservation:

Number of Programmes Arranged	Total Number of Participants
1	122

Water Conservation:

Number of Programmes Arranged	Total Number of Participants
2	208

Any Other:

Name of Programmes Arranged	Number of Programmes Arranged	Total Number of Participants
Seminar on Pollution free environment/Water conservation	2	198

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15) Sports Competition:

Type	Total Number of Programs Arranged	Total Numbers of participants In each program	Total Number of Award Win(Upto Third Rank)
College Level	10	75	30

16) New Voter Registration Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	45

17) Cultural Activities :

Activity Type	Level	Total number of Competitions Arranged	Total number of Participants
Cultural Competition	College Level	14	700

18) Blood Donation Campaign :

Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
2	73	73

19) Cleanliness Campaign :

Total Number of Campaigns Arranged	Total Number of Participants
2	208

20) Women Empowerment & Security:

Total Number of Programs Arranged	Total Number of Participants
2	455

21) Seminar :

University Level :

Total Number of Seminars Arranged	Total Number of Participants
2	124

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State Level :

Total Number of Seminars Arranged	Total Number of Participants
2	159

National Level :

Total Number of Seminars Arranged	Total Number of Participants
2	167

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
46	310	51	182	0	182

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
0	0

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

Total Number of Programs Arranged	Total Number of Participants
10	320

26) Memorendum of Understanding :

Internship MOU :

During the Year	Total
11	11

National / Collaboration MOU :

Number of MoUs	Total
10	10

International / Collaboration MOU :

Number of MoUs	Total
4	4

27) Mental health Awareness Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	233

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
24	15	4

29) Institutional Award College/Institute :

Regional	National	International
0	02	0

30) Awards :

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	Faculty Awards	Student Awards
Regional	0	07
National	1	02
International	0	0

31) Academic Excellence:

Faculty Research		
Scopes/Web of square similar	**Peer Recived**	**UGC Care**
2	00	00
Student Research	0	

32) Grant:

Research	0	Other	02

33) Paper Publication:

Dissertation at Masters Level	0

Date :

Place :

Signature
HOD/Principal/Director