



AR2406908

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

College Details			
1. Name Of the Department/College/Institute	:	Hope Foundation and Research Centre (Hope Foundation) International Institute of Information Technology (I ² IT) Addr: P - 14 Rajiv Gandhi Infotech Park Phase - I Hinjawadi Pune Ta: Mulashi Dist: Pune	2. Address Of the Department/College/Institute
3. Name Of the Head/Principal/Director	:	Vaishali Vishwas Patil	4. Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address
		: Tele.- 020-22933441 Email- principal@isquareit.edu.in URL- www.isquareit.edu.in	

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	Mandale Prashant Laxmanrao	Agile Methodologies And Devops	Book Rivers	2024	9789358424416 /
2	Namose Mahadevi Somnath	Big Data In Social And Economic Analyses	IIP Series	2024	978-93-6252-807-0 / -
3	Uplaonkar Deepak Shivaji	Introduction to Data Types in Python	Bright Sky Publication	2023	978-93-92804-92-2 / 0

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	NA	NA	NA

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	Shitole Ajitkumar Sureshrao	Enhancing Retinal Scan Classification: A Comparative Study of Transfer Learning and Ensemble Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 9	2023	NA / 2321-8169
2	Shitole Ajitkumar Sureshrao	Effective Malware Analysis and Classification using Machine Learning	Indian Journal of Technical Education	47 & 10	2024	NA / 0971-3034



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3	Shitole Ajitkumar Suresh Rao	Automated Monitoring of Gym Exercises through Human Pose Analysis	SSRG International Journal of Electrical and Electronics Engineering	11 & 9	2024	NA / 2348-8379
4	Shitole Ajitkumar Suresh Rao	SafeRoute Scanner: A Comprehensive System for Pothole Detection, Traffic Sign Recognition, Mapping, and Automated Reporting to Local Authorities	SSRG International Journal of Electrical and Electronics Engineering	11 & 13	2024	NA / 2348-8379
5	Shitole Ajitkumar Suresh Rao	VGG-16 BASED INDO-PAKISTANI SIGN LANGUAGE INTERPRETER	European Chemical Bulletin	12 & 12	2023	NA / 2063-5346
6	Shitole Ajitkumar Suresh Rao	A Survey on Detection of Ophthalmic Diseases using Applied Deep Learning Techniques	European Chemical Bulletin	12 & 9	2023	NA / 2063-5346
7	Sahu Kamna Agya Ram	Block Vote: Harnessing Blockchain for Transparent E Voting	IRJET	10 & 8	2023	- / 2395-0056
8	Bansode Monali Arun	THE BOOK FORUM:APPLICATION SYSTEM WITH HYBRID FILTERING AND RECOMMENDATIONS USING COLLABORATIVE FILTERING AND AUTOENCODERS	INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION	9 & 14	2023	2395-4396 / 2395-4396
9	Bansode Monali Arun	THE BOOK FORUM:APPLICATION SYSTEM WITH HYBRID FILTERING AND RECOMMENDATIONS USING COLLABORATIVE FILTERING AND AUTOENCODERS	IJSRCSEIT	9 & 14	2023	2456-3307 / 2456-3307
10	Namose Mahadevi Somnath	Speech Recognition and Sending Alert Message If Abusive Words are Detected"	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	11 & 4	2023	- / 2321-9653



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11	Uplaonkar Deepak Shivaji	Modified Otsu thresholding based level set and local directional ternary pattern technique for liver tumor segmentation	Int J Syst Assur Eng Manag	15 & 11	2024	0 / 0975-6809
12	Uplaonkar Deepak Shivaji	A Review of Techniques and Applications for Machine Learning and Deep Learning	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	12 & 6	2024	0 / 2147-6799
13	Uplaonkar Deepak Shivaji	Deep Learning-Based Coverless Image Steganography on Medical Images Shared via Cloud	Engineering Proceedings	59 & 10	2023	0 / 2673-4591
14	Jagtap Anjali Anandrao	Exploring the Effects of Land Use/Land Cover (LULC) Modifications and Land Surface Temperature (LST) in Pune, Maharashtra with Anticipated LULC for 2030	International Journal of Geoinformatics	Vol. 20 & 20	2024	ISSN 2673-0014 (Online) / ISSN 1686-6576 (Printed)
15	Deokar Poonam Mangesh	Blockchain Technology Needs In Edge Computing Environment	International Journal of Research and Analytical Reviews	10 & 8	2023	-/-
16	Ahire Prashant Lotan	Instrumentation of Water Level	Journal of Electrical Systems	20 & 9	2024	1112-5209 / 1112-5209
17	Ahire Prashant Lotan	Object Detection for Simulating Vehicle Driving using CARLA Simulator	INTERNATIONAL JOURNAL OF ARTS & EDUCATION RESEARCH	13 & 14	2024	2278-9677 / 2278-9677
18	Ahire Prashant Lotan	Health Monitoring Through Tongue Image Analysis	Journal of Emerging Technologies and Innovative Research	11 & 8	2024	2349-5162 / 2349-5162
19	Ahire Prashant Lotan	Investigating Human Responses to Sinusoidal Tones in the Auditory Channel with Emphasis on Individual Resonance Characteristics	Journal of Electrical Systems	20 & 8	2024	1112-5209 / 1112-5209
20	Ahire Prashant Lotan	Simulating Vehicle Driving using CARLA	Journal of Electrical Systems	20 & 10	2024	1112-5209 / 1112-5209



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21	Naidu S Mohan Mahalakshmi	Instrumentation electrode configuration signal processing and applications of brain computer interfacing: a review	The Ciência & Engenharia - Science & Engineering Journal	11 & 12	2023	0103-944X / 0103-944X
22	Naidu S Mohan Mahalakshmi	Real time monitoring of temp and humidity in agriculture automation	Journal of Survey in Fisheries Sciences	10 & 14	2023	2368-7487 / 2368-7487
23	Naidu S Mohan Mahalakshmi	Predictive analytics for re-hospitalization and disease prediction	The Ciência & Engenharia - Science & Engineering Journal	11 & 17	2023	0103-944X / 0103-944X
24	S M M Naidu	Simulating vehicle driving using CARLA	Journal of Electrical Systems	20 & 9	2024	1112-5209 / 1112-5209
25	Naidu S Mohan Mahalakshmi	Investigating Human Responses to Sinusoidal Tones in the Auditory Channel with Emphasis on Individual Resonance Characteristics	Journal of Electrical Systems	20 & 7	2024	1112-5209 / 1112-5209
26	S M M Naidu	Instrumentation for Water Level Monitoring System and It's Software Development	Journal of Electrical Systems	20 & 10	2024	1112-5209 / 1112-5209
27	Naidu S Mohan Mahalakshmi	Energy monitoring system for agri and aquatic field	Journal of Survey in Fisheries Sciences	10 & 9	2023	2368-7487 / 2368-7487
28	Naidu S Mohan Mahalakshmi	Speech-based emotion recognition methodologies	The Ciência & Engenharia - Science & Engineering Journal	11 & 10	2023	0103-944X / 0103-944X
29	Naidu S Mohan Mahalakshmi	Detection of depression and anxiety through speech, voice, and sentiment analysis	The Ciência & Engenharia - Science & Engineering Journal	11 & 15	2023	0103-944X / 0103-944X
30	Naidu S Mohan Mahalakshmi	Predicting movie review sentiment: a comparative study of classification algorithms	Acta Biomedica (ActaBiomed)	94 & 13	2023	0392-4203 / 0392-4203
31	Namose Mahadevi Somnath	"Exploring Unconventional Sources in Big Data: A Data Lifecycle Approach for Social and Economic Analysis with Machine Learning	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	11 & 12	2023	- / 2581-9429



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32	Namose Mahadevi Somnath	Exploring Unconventional Sources in Big Data: A Comprehensive Data Lifecycle for Social and Economic Analysis	" International Journal of Intelligent Systems and Applications in Engineering	12 & 12	2023	- / 2147-6799
33	Namose Mahadevi Somnath	Exploring Unconventional Sources in Big Data: A Data Lifecycle Approach for Social and Economic Analysis with Machine Learning	International Journal on Recent and Innovation Trends in Computing and Communication	11 & 20	2023	- / 2321-8169
34	Namose Mahadevi Somnath	ML-POWERED DISEASE CLASSIFICATION SYSTEM (PRECISE DIAGNOSIS)	Journal of Engineering Technolog and invoative researchy	4 & 10	2023	- / 2349-5162
35	Namose Mahadevi Somnath	"Speech Recognition and Sending AlertMessage If Abusive Words are Detected	International Journal for Research in Applied Science & Engineering Technology	11 & 5	2023	- / 2321-9653
36	Surve Jyoti Vishwas	Enhancing Chicken Disease Detection And Classification Using Transfer Learning And Convolutional Neural Networks	Journal Of Southwest Jiaotong University	58 & 12	2023	0258-2724 / 0258-2724
37	Surve Jyoti Vishwas	Enhancement Of Video Processing Technique In Insect Detection	Journal of Data Acquisition and Processing	38 & 12	2023	1004-9037 / 1004-9037
38	Surve Jyoti Vishwas	Breast Tumor segmentation using advanced Unet with Saliency, Channel and Spatial Attention Model	Journal of Electrical Systems	20 & 10	2024	1112-5209 / 1112-5209
39	Patil Sonali Sagar	ENHANCING CHICKEN DISEASE DETECTION AND CLASSIFICATION USING TRANSFER LEARNING AND CONVOLUTIONAL NEURAL NETWORKS	Journal of Southwest Jiaotong University	Vol 58 & 9	2023	0258-2724 / 0258-2724
40	Patil Sonali Sagar	ENHANCEMENT OF VIDEO PROCESSING TECHNIQUE IN INSECT DETECTION	Journal of Data Acquisition and Processing	Volume 38 & 12	2023	ISSN 1004-9037 / ISSN 1004-9037



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41	Patil Sonali Sagar	Intelligent detection and classification of insects in agricultural farm	Journal of Emerging Technologies and Innovative Research	10 & 9	2023	2349-5162 / 2349-5162
42	Mandale Prashant Laxmanrao	Theft Detection Using Deep Learning	Journal of Information and Computational Science	14 & 9	2024	1548-7741 / 1548-7741
43	Mandale Prashant Laxmanrao	AI-Enhanced Digital Forensics: Automated Techniques for Efficient Investigation and Evidence Collection	Journal of Electrical Systems (JES)	Vol. 20 & 19	2024	1112-5209 / 1112-5209
44	Mandale Prashant Laxmanrao	DESIGNING SOFTWARE TOOL SET FOR DATA STORAGE IN DECENTRALIZED STORAGE SYSTEM	International Journal of Novel Research and Development	8 & 10	2023	2456-4184 / 2456-4184
45	Muley Jayshree Dnyandeo	Fake Review Detection using NLP Model and Neural Network Model	IJERT	12 & 6	2023	IJERTV12ISO50063 / 2278-0181
46	UPLAONKAR DEEPAK S.	Curated Datasets for Use in Automated Media Monitoring and Feedback System: "News Classification System" Dataset, "Government News Classification" Dataset	IJRITCC	11 & 9	2023	0 / 2321-8169
47	Sonavane Trupti Sandeep	Machine learning approach for detection and classification of biomedical waste objects	AIP Scopus	6	2023	9780735446939 /
48	Jagtap Anjali Anandrao	Flood Risk Area Identification of Pune District using GIS Techniques	IEEE 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)	6	2023	979-8-3503-9737-6 / 2575-7288
49	Jagtap Anjali Anandrao	Flood Mapping of Mumbai Using Sentinel Datasets	2023 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT) 979-8-3503-0336-0/23/\$31.00 ©2023 IEEE DOI: 10.1109/CISCT57197.2023.10351332	6	2023	57197 / 57197



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50	Jagtap Anjali Anandrao	Flood risk mapping using GIS of Mumbai District, India	2023 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT) 979-8-3503-0336-0/23/\$31.00 ©2023 IEEE DOI: 10.1109/CISCT57197.2023.10351332	6	2023	57197 / 57197
51	Jagtap Anjali Anandrao	Time Series Analysis of Urban Expansion Using Land-Use and Land-Cover Change Detection of LANDSAT Imagery for Pune District of Maharashtra	12th International Conference on Advanced Computing (ICoAC - 2023)	6	2023	23747589 / 23747589
52	Waghmare Mahesh Sampat	impact of climate chnage on flooding	climate chnage and its impact	362	2023	isbn 978-93-5396-006-3 / ---
53	Ahire Prashant Lotan	Object Detection for Simulating Vehicle Driving using CARLA Simulator	2nd INTERNATIONAL CONFERENCE ICITET 2024	13	2024	978-93-91535-73-5 /
54	Shitole Ajitkumar Suresh Rao	Effective Malware Analysis and Classification using Machine Learning	International Conference on Recent Trends and Advancements in Computing Technologies (ICRTACT-2024)	10	2024	NA /
55	Patil Sonali Sagar	Hyper Ledger-Based Block Chain Technology for Data Security in E-Voting Systems	International Conference on Software Engineering and Computer Science	9	2023	ACN-SECS-PUNE-140523-5105 / ACN-SECS-PUNE-140523-5105
56	Mandale Prashant Laxmanrao	Investigation of Different Techniques on Digital Actual Frameworks Toward Distributed Denial of Services Attack	THE 15th INTERNATIONAL IEEE CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT)	6	2024	978-80-8075-477-8 / 0
57	UPLAONKAR DEEPAK S.	Advancing P&ID Digitization with YOLOv5	ICIICS	6	2023	979-8-3503-1545-5 / 0
58	Uplaonkar Deepak Shivaji	Deep Learning Based Coverless Image Steganography On Medical Images Shared Via Cloud	International Conference on Recent Advances in Science and Engineering	11	2023	0 / 2673-4591



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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
1	Mahadevi Somnath Namose	Engineering	CICD pipeline is in Education support system	Other	10/08/2024-10/08/2026	135000	Major
2	V Rajesh Chowdhary	Engineering	Advance Course on Space Technologies for Early War	Other	26/03/2024-25/03/2025	591500	Major
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	6		13		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	12	0		0		0	
11. Grants Sanction for Funding Agency (2023-2024)							
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University		Any Other	
1	0	0	0	1		1	



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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
1	0	0	0	0	0	0	0	0	0	1	2		
MALE	145	20	10	4	0	3	8	5	69	5	0	269	
	1	0	0	0	0	0	0	1	0	0	1	3	
TOTAL		209	30	12	7	0	6	13	9	103	8	2	399

13. Statistical Information about Teacher for Academic Year (2023-2024)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	DT(A)	0	0	0	1	0	1
2	OBC	0	0	0	5	4	9
3	OPEN	1	6	7	10	27	37
4	SC	0	0	0	2	3	5
	Total	1	6	7	18	34	52

14) Environment Conservation :

Tree Plantation Drive :

Number of Programmes Arranged	Number of Trees Planted
2	150

River Conservation :

Number of Programmes Arranged	Total Number of Participants
1	20

Soil Conservation :



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Number of Programmes Arranged	Total Number of Participants
0	0

Water Conservation :

Number of Programmes Arranged	Total Number of Participants
0	0

Any Other :

Name of Programmes Arranged	Number of Programmes Arranged	Total Number of Participants
Road Safety	1	100

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	1	501	20
UniversityLevel	0	0	0
StateLevel	0	0	0
NationalLevel	0	0	0
InternationalLevel	0	0	0

16) New Voter Registration Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	80

17) Cultural Activities :

Activity Type	Level	Total number of Competitions Arranged	Total number of Participants
Dance Competition	CollegeLevel	1	120
Oratorical Competition	CollegeLevel	1	2



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Debate Competition	CollegeLevel	1	2
Debate Competition	UniversityLevel	1	2

18) Blood Donation Campaign :

Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
2	226	226

19) Cleanliness Campaign :

Total Number of Campaigns Arranged	Total Number of Participants
2	85

20) Women Empowerment & Security:

Total Number of Programs Arranged	Total Number of Participants
8	670

21) Seminar :

University Level :

Total Number of Seminars Arranged	Total Number of Participants
5	150

State Level :

Total Number of Seminars Arranged	Total Number of Participants
1	300

National Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

International Level :

Total Number of Seminars Arranged	Total Number of Participants
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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
29	218	0	0	0	62

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	55

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

Total Number of Programs Arranged	Total Number of Participants
1	270

26) Memorendum of Understanding :

Internship MOU :

During the Year	Total
0	28

National / Collaboration MOU :

Number of MoUs	Total



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0 28

International / Collaboration MOU :

Number of MoUs	Total
0	0

27) Mental health Awareness Campaign :

Total Number of Programs Arranged	Total Number of Participants
6	24

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
25	7	7

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

31) Academic Excellence:

Faculty Research		
Scopes/Web of square similar	Peer Recived	UGC Care
0	0	0



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Student Research

0

32) Grant:

Research

0

Other

0

33) Paper Publication:

Dessrtation at Masters
Level

0

Date :

Place :

Signature
HOD/Principal/Director

