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

College Details				
1.	**Name Of the Department/College/Institute** :	JAIHIND COMPREHENSIVE EDUCATIONAL INSTITUTE Jai Hind College OF Engineering Addr: GAT NO 441 KURAN Ta: Junnar Dist: Pune	2. **Address Of the Department/College/Institute** :	GAT NO 441 KURAN Ta: Junnar Dist: PunePincode: 410511
3.	**Name Of the Head/Principal/Director** :	Damodhar Jagdeorao Garkal	4. **Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address** :	**Tele.-** 7028036201 **Email-** jcoekuran@gmail.com **URL-** www.jaihindengineering.com

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	Dere Kapil Dnyaneshwar	Information Retrival	NIRALI	2023	0 / 0
2	Khatri Anand Ashok	Machine Learning for Healthcare	Xoffencer Intrnational Publication	2023	978-93-94707-99-3 / nil
3	Mandlik Shital Yogesh	Introduction to Cyber Security	Prime International Publication	2024	978-93-6010-742-0 /
4	Dighe Shweta Jayaram	comparative invegstigation on rcc and post tensioned flat slab	scholars press	2024	978-3-639-66556-7 / 978-3-639-66556-7
5	Wakale Abhilash Vasant	Application of Friction Stir Welding to Weld AerospaceMaterial.	Scholar Press	2024	978-3-639-66556-7 / 978-3-639-66556-7
6	Mulajkar Rahul MUKUNDRAO	Basic Electronics Engineering	Tech-Neo Publications	2024	ESE-102-ELE / ESE-102-ELE

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	Galhe Dattatray Shankar	IMAGE CAPTION GENERATOR WITH VOICE USING LSTM AND CNN ALGORITHMS	Journal of Data Acquisition and Processing	Volume 38 & 8	2023	1004-9037 / Journal of Data Acquisition and Processing

2	Galhe Dattatray Shankar	SMART HOME MANAGEMENT SYSTEM FOR FIRE PREVENTATION THROUGH IOT SYSTEM	Journal of Data Acquisition and Processing	38 & 6	2023	1303-5150 / 1303-5150
3	Khatri Anand Ashok	Convolutional Neural Networks for Genomic Sequence Analysis for Heart Disease Prediction	Journal of Technical Education	47 & 5	2024	0 / 0971-3034
4	Khatri Anand Ashok	Nano Granular Metallic Thin Films: Unravelling Non-Linear Electrical Conduction and Resistive Switching for Neuromorphic Applications	JOURNAL OF NANO- AND ELECTRONIC PHYSICS	16 & 5	2024	nil / 2077-6772
5	Khatri Anand Ashok	A Review : Innovations in Wearable Sensor Data Utilization for Cardiovascular Disease Diagnosis and Prediction	Journal of Technical Education	47 & 3	2024	nil / 0971-3034
6	Khatri Anand Ashok	Enhancing Nanocomposite Filtration Membranes: Refined SVM Approach for Precise Estimation of Permeate Flux and Foulant Rejectio	Journal of Nano &Electronic Physics	16 & 5	2024	0 / 2077-6772
7	Khatri Anand Ashok	Clustering-Based Growth Analysis of 2D Transition Metal Thin Films on Graphene Substrates via Molecular Beam Epitaxy	JOURNAL OF NANO- AND ELECTRONIC PHYSICS	16 & 6	2024	NIL / 2077-6772
8	Khatri Anand Ashok	Novel Approach Based Minimization of Geometric Action for Predicting Rare and Extreme Events in Non-Equilibrium Systems	JOURNAL OF NANO- AND ELECTRONIC PHYSICS	16 & 5	2024	nil / 2077-6772
9	Supekar Gorakshanath Sonyabapu	Performance based analysis of Elevated Service Reservior	THE INDIAN JOURNAL OF TECHNICAL EDUCATION	VOLUME 47 & 4	2024	ISSN 0971-3034 / ISSN 0971-3034
10	Supekar Gorakshanath Sonyabapu	Night Shift Management on Construction Site	THE INDIAN JOURNAL OF TECHNICAL EDUCATION	47 & 4	2024	ISSN 0971-3034 / ISSN 0971-3034

11	Bhosale Sachin Bajirao	Auto adjusting screen according to eye vision power by using Android App	International Journal of Advanced Research in Science, Communication and Technology	8 & 2	2024	2395-4396 / 2395-4396
12	NAGARGOJE SHASHIKANT MAHADEV	Study on interior beam-column joint sub-assemblage under bi-directional loading using finite element analysis	The world journal of Technical Education	- & 10	2024	- / 1708-5284
13	Nagargoje Shashikant Mahadev	Performance Evaluation of Bi-Directional Loading Interior RC Beam-Column Joint	The Indian Journal of Technical Education	47 & 5	2024	- / 0971-3034
14	Nagargoje Shashikant Mahadev	Evaluation of RC Beam-Column Joint Shear Strength under Bi-Directional and Uni-Directional Loading	The Indian Journal of Technical Education	47 & 5	2024	- / 0971-3034
15	Chougule Swapnali Dnyaneshwar	LDR & IOT based laser security system	ISTE	46 & 4	2023	10 / 2267-3954
16	Auti Mayuri Arjun	Implementation towards Blood Cancer Detection with Convolutional Neural Network (ML)	IJTE	47 & 5	2024	10 / 0971-3034
17	Mulajkar Rahul Mukundrao	Development and methodology for Automated diagnosisi of SkinLesions using Deep learning	IJTE	46 & 5	2023	0971-3034 / 0971-3034
18	Mulajkar Rahul Mukundrao	Sign Language Classification using Machine Learning	IJTE	46 & 4	2023	0971-3034 / 0971-3034
19	Mulajkar Rahul Mukundrao	Formation Of Microgid By Using Micro Sources Of Photovoltaic Cell And Dg Set	Communication and Management Journal	9 & 4	2024	2269-7195 / 2269-7195
20	Mulajkar Rahul Mukundrao	Review Study Of Mitigation Of Transient Over Voltage In Microgrid	Communication and Management Journal	9 & 6	2024	2269-7195 / 2269-7195
21	Mulajkar Rahul Mukundrao	Animal/ Object Recognition and Monitoring System using ML	IJTE	47 & 4	2024	0971-3034 / 0971-3034
22	Mulajkar Rahul Mukundrao	Pattern Fabric Defects Finding Using Regular Band &Distance Matching Function	IJTE	47 & 4	2024	0971-3034 / 0971-3034

23	Mulajkar Rahul Mukundrao	Improving High Resolution Image Reconstruction: Neural Network based Feature extraction from single Low-resolution images	IJTE	47 & 5	2024	0971-3034 / 0971-3034
24	Gadekar Ramdas Anantrao	DESIGN AND IMPROVEMENT IN MACHINING PROCESS AND COST OPTIMIZATION FOR TOOTH WHEEL USED IN TRACTION MOTOR FOR METRO	THE INDIAN JOURNAL OF TECHNICAL EDUCATION	271	2024	0971-3034 / ISSN 0971-3034
25	Dere Kapil Dnyaneshwar	Blockchain-Based Authentication: Safeguarding Against Counterfeit Products	National Conference on Emerging Trends in Engineering and Sciences (ICETES)	6	2024	ISBN: 978-93-94707-99-3 / 0
26	Dere Kapil Dnyaneshwar	DEVELOPING DISTRIBUTED AUCTION SYSTEM	National Conference on Emerging Trends in Engineering and Sciences (ICETES)	6	2024	ISBN: 978-93-94707-99-3 / 0
27	Dere Kapil Dnyaneshwar	ENHANCING IOT THREAT DETECTION THROUGH DRIFT ENABLED DEEP CNN CLASSIFIER UTILIZING HYBRIDE SEARCH OPTIMIZATION	National Conference on Emerging Trends in Engineering and Sciences (ICETES)	8	2024	ISBN: 978-93-94707-99-3 / 0
28	Gholap Pallavi Bhagwan	Implementation towards Blood Cancer Detection with Convolutional Neural Network (ML)	The Indian journal of technical education	342	2024	10 / 0971-3034
29	NAGARGOJE SHASHIKANT MAHADEV	14) Evaluation of shear strength of rc beam-column joint under bi-directional and uni-directional loading	Global conference on sustainable and Futuristic Technologies 2023	90	2023	978-93-6076-342-8 / -
30	Chougule Swapnali Dnyaneshwar	study of enhancing early fire detection using computer vision & image processing techniques	study of enhancing early fire detection using computer vision & image processing techniques	7	2024	10 / 0971-3034
31	Chougule Swapnali Dnyaneshwar	Improving high resolution image reconstruction	Improving high resolution image reconstruction	7	2024	10 / 0971-3034

32	Chougule Swapnali Dnyaneshwar	Recent trends in plant leaf disease recognition : A litreature survey	Recent trends in plant leaf disease recognition : A litreature survey	7	2024	10 / 0971-3034
33	Chougule Swapnali Dnyaneshwar	Smart crop protection system from animals using PIC	Smart crop protection system from animals using PIC	7	2024	10 / 0971-3034
34	Auti Mayuri Arjun	Implementation towards Blood Cancer Detection with Convolutional Neural Network (ML)	Implementation towards Blood Cancer Detection with Convolutional Neural Network(ML)	5	2024	10 / 0971-3034

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	DERE KAPIL D	Engineering	SUPPLY CHAIN MANAGEMENT IN AGRICULTURE USING BLOCK	Other	10/01/2024-14/06/2024	20000	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	14	14	3

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	1	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	NA	NA	NA	NA	NA

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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**	
Engineering	FEMALE	66	12	4	1	0	1	3	1	28	0	0	116	
	MALE	61	8	2	1	0	0	2	5	50	1	0	130	
	TOTAL	127	20	6	2	0	1	5	6	78	1	0	246	

13.	Statistical Information about Teacher for Academic Year (2023-2024)						
Sr.No.	**Category**	**Granted**			**Non Granted**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**
1	NT(B)	0	0	0	1	0	1
2	NT(D)	0	0	0	1	0	1
3	OBC	0	0	0	4	0	4
4	OPEN	0	0	0	16	12	28
5	SC	0	0	0	1	0	1
	Total	0	0	0	23	12	35

14) Environment Conservation :

Tree Plantation Drive :

Number of Programmes Arranged	Number of Trees Planted
1	5000

River Conservation :

Number of Programmes Arranged	Total Number of Participants
1	50

Soil Conservation :

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Number of Programmes Arranged	Total Number of Participants
1	60

Water Conservation :

Number of Programmes Arranged	Total Number of Participants
1	50

Any Other :

Name of Programmes Arranged	Number of Programmes Arranged	Total Number of Participants
0	0	0

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	386	10
UniversityLevel	0	0	0

16) New Voter Registration Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	55

17) Cultural Activities :

Acitivity Type	Level	Total number of Competitions Arranged	Total number of Participants
Oratorical Competition	CollegeLevel	0	0
Dance Competition	CollegeLevel	1	45
Debate Competition	CollegeLevel	0	0
Oratorical Competition	UniversityLevel	0	0

18) Blood Donation Campaign :

Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
2	100	100

19) Cleanliness Campaign :

Total Number of Campaigns Arranged	Total Number of Participants
1	70

20) Women Empowerment & Security:

Total Number of Programs Arranged	Total Number of Participants
1	188

21) Seminar :

University Level :

Total Number of Seminars Arranged	Total Number of Participants
1	150

State Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

National Level :

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 :

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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
15	135	5	76	3	119

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	50

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

Total Number of Programs Arranged	Total Number of Participants
23	632

26) Memorendum of Understanding :

Internship MOU :

During the Year	Total
3	14

National / Collaboration MOU :

Number of MoUs	Total
4	14

International / Collaboration MOU :

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Number of MoUs	Total
0	0

27) Mental health Awareness Campaign :

Total Number of Programs Arranged	Total Number of Participants
1	63

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
16	27	5

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 Excellance:

Faculty Research		
Scopes/Web of square similar	Peer Recived	UGC Care
0	3	2
Student Research	1	

32) Grant:

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Research	0	Other	20000

33) Paper Publication:

Dessrtation at Masters Level	3

Date :

Place :

Signature
HOD/Principal/Director