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# Savitribai Phule Pune University

## Annual Report Information 2022-2023

### Planning and Development

#### College Details

1.	Name Of the Department/College/Institute	:	Chanakya Education Society Indira College of Engineering And Management Addr: Parandwadi Ta: Mawal Dist: Pune	2.	Address Of the Department/College/Institute	:	Parandwadi Ta: Mawal Dist: PunePincode: 410506
3.	Name Of the Head/Principal/Director	:	Pravin Mahadeo Ghanegaonkar	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	:	Tele.- 02114661500 Email- principal@indiraicem.ac.in URL- www.indiraicem.ac.in

#### 5. Reference Books/Monographs Published by Teacher (2022-2023) :

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	Das Soumitra Sibshankar	IOT with Applications	Deccan International Academic Publishers	2022	978-93-95191-19-7 / NA
2	Ingole Sunil Bhimrao	Engineering Metrology For MSBTE Diploma Mechanical Engineering Sem 3	Techknowledge	2022	ASIN : B0B61CWNGM /
3	Ingole Sunil Bhimrao	Industrial Engineering and Quality Control For MSBTE Diploma Mechanical Engineering Sem 6	Techknowledge	2023	ASIN ? : ? B0BSNCF3FC /
4	Ingole Sunil Bhimrao	Development of Novel Materials for Home Based low Cost Additive Manufacturing using AI	Publisher ?Namy Press	2022	ISBN-10 ? : ?9355450877 /
5	Salve Archana Ravindra	Diminishing barriers using Multidisciplinary Contemporary Research	Empyreal publishing house	2023	9789393810625 / 9789393810625
6	Salve Archana Ravindra	Business Entrepreneurship and Management	Scientific International Publishing House Government of India	2023	978-93-5757-425-9 / 978-93-5757-425-9
7	Das Soumitra Sibshankar	CapsNet and KNN-Based Earthquake Prediction Using Seismic and Wind Data	CRC Press is an imprint of Taylor & Francis Group, LLC	2022	9781032154367 / 9781032154404

#### 6. No.of Conference, Symposia, Seminars,Workshops etc. Organized (2022-2023)

Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	4	1	0



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7. Research Publications in National and International Journals/Edited Books/Proceedings (2022-2023)						
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	Pawar Priyanka Amol	A STUDY ON INDIAN HIGHER EDUCATION SYSTEM AND ROLE OF TEACHERS FROM THE PERSPECTIVE OF POST GRADUATE STUDENTS	TOJDEL-The Online Journal of Distance Education and e-Learning	11 & 10	2023	- / 2147-6454
2	Pawar Priyanka Amol	Era Of Influencer Marketing: A Review Report	IJFANS International Journal of Food and Nutritional Sciences	11 & 8	2022	- / 2319 1775
3	Pawar Priyanka Amol	A STUDY ON CUSTOMERS PERCEPTION ABOUT SIGNIFICANCE OF DIGITAL SECURITY	TOJDEL-The Online Journal of Distance Education and e-Learning	11 & 10	2023	- / 2147-6454
4	Pawar Priyanka Amol	A study of Corporate Social Responsibility as an Effective tool of Corporate Marketing	NeuroQuantology	20 & 191	2022	1303-5150 / 1303-5150
5	Pawar Priyanka Amol	A Study on Effectiveness of Big Data Analytics on Organizational Growth with reference to Manufacturing Sector	NeuroQuantology	20 & 1214	2022	1303-5150 / 1
6	Pawar Priyanka Amol	"The Study Of Awareness & Analysis Of Stem Cell Technology Business In The Maharashtra State Of India"	International Journal of Food and Nutritional Sciences	11 & 3528	2022	2319 1775 / 2320 7876
7	Das Soumitra S	ADVANCED STUDY OF SMART ROAD SAFETY USING SENSOR TECHNOLOGY	ANNALS OF FOREST RESEARCH	65 & 1221412220	2022	2065-2445 / 1844-8135
8	Das Soumitra Sibshankar	An IOT based Evacuation system	International Journal of Creative Research Thoughts	11 & 108111	2023	2320-2882 / 2320-2882
9	Devade Kiran Dattatraya	Sewage Treatment Plant (STP) : Industry 4.0 Case Study switch from Breakdown to Predictive Maintenance	GIS Science Journal	9 & 9	2022	1869-9391 / 1869-9391



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10	Devade Kiran Dattatraya	Design and Development of Manual Hydraulic Press	Journal of Emerging Technologies and Innovative Research	6 & 4	2022	2349-5162 / 2349-5162
11	Ingole Sunil Bhimrao	METHOD OF A QUALITY MANAGEMENT AT PRODUCTION COMPANY	JOURNAL OF HARBIN INSTITUTE OF TECHNOLOGY	54 & 5	2022	0367-6234 / 0367-6234
12	Ingole Sunil Bhimrao	Development of Novel materials for home based low cost manufacturing using AI	Nuroquantology	20 & 5	2022	1303-5150 / 1303-5150
13	Ingole Sunil Bhimrao	Temperature Analysis for the Horizontal Target Cooling with Non-Confined and Inclined Air Jet	Journal of Thermal Engineering	9 & 6	2023	2148-7847 / 2148-7847
14	Desai Darshana Jignesh	Education 4.0: Case Study on Selection of Digital Learning Platform and Communication Tools for Future Education 4.0 in India	IEEE Explore	1 & 7	2022	NA / 2831-5022
15	Kale Vinayak Mohan,Bhong Mahesh Ganpat	Profile drying: A novel multistage convection drying method for indian dark red onion slices	Journal of Thermal Engineering	8 & 12	2022	2148-7847 / 2148-7847
16	Shankar Poorna R.	Predicting Music Popularity Using Machine Learning Algorithm and Music Metrics Available in Spotify	Journal of Development Economics and Management Research Studies (JDMS)	9 & 9	2022	0 / ISSN 2582 5119 (Online),
17	Shankar Poorna R	Marching Ahead in Difficult Times: The Changing Face of Academia	ECS Transactions -IOP Science -(Harvard)	107 & 7	2022	0 / 19385862
18	Shankar Poorna R	UNDERSTANDING EFFECTIVENESS OF DEVOPS FOR DEVELOPING CONNECTED DEVICES	Journal of the Maharaja Sayajirao University of Baroda (UGC CARE Group I)	56 & 8	2022	0 / 0025-0422



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19	Shankar Poorna R.	STUDY AND SELECTION OF APPROPRIATE DEEP LEARNING ALGORITHMS FOR AIR POLLUTION PREDICTION IN PCMC (MS, INDIA) AREA	Journal of Education: Rabindra Bharati University	24 & 4	2022	0 / 0972-7175
20	Shankar Poorna R.	Crops Prediction Based on Environmental Factors Using Machine Learning Algorithm	Journal of Development Economics and Management Research Studies (JDMS)	9 & 10	2022	0 / ISSN 2582 5119 (Online),
21	Shankar Poorna R.	Stock Price Prediction Using LSTM, ARIMA	Journal of Development Economics and Management Research Studies (JDMS)	9 & 11	2022	0 / ISSN 2582 5119 (Online),
22	SALVE ARCHANA RAVINDRA	“A Comparative Study of Developing Managerial skills through Management Education among Management Graduates at selected Institutes in Pune and Mumbai”	SCOPUS INDEXED The Electrochemical society ECS Transactions	Volume 107 & 1073027	2022	NA / The Electrochemical society ECS Transactions SCOPUS
23	SALVE ARCHANA RAVINDRA	Role of Artificial Intelligence in Healthcare centre: A review	UGC LISTED JOURNAL Shodhsamhita	IV & 92	2022	2277-7067 / ISSN: 2277-7067
24	SALVE ARCHANA RAVINDRA	Artificial Intelligence Based Rural E-Commerce Boosting Using Big Data	SCOPUS INDEXED IEEE CONFERENCE PROCEEDING	1 & 2087	2023	979-8-3503-9826-7/22/\$31.00 ©2022 IEEE / 979-8-3503-9826-7/22/\$31.00 ©2022 IEEE
25	SALVE ARCHANA RAVINDRA	AN EVALUATION OF THE EFFECT OF ECONOMIC DEVELOPMENT ON CRYPTO CURRENCY	UGC LISTED ABDC JOURNAL ,WORLD JOURNAL OF MANAGEMENT AND ECONOMICS	16 & 39	2023	1998-1392 (online) ISSN / 1998-1392 (online)
26	SALVE ARCHANA RAVINDRA	FACTORS INFLUENCING CUSTOMER EXPERIENCE VALUE IN SHOPPING MALLS	UGC LISTED ABDC JOURNAL ,WORLD JOURNAL OF MANAGEMENT AND ECONOMICS	16 & 56	2023	1998-1392 (online) ISSN / 1998-1392 (online)
27	SALVE ARCHANA RAVINDRA	RTIFICIAL INTELLIGENCE BASED RISK MANAGEMENT OF CREDIT SALES IN E-COMMERCE	UGC LISTED ABDC JOURNAL ,WORLD JOURNAL OF MANAGEMENT AND ECONOMICS	16 & 67	2023	1998-1392 (online) ISSN / 1998-1392 (online)



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28	SALVE ARCHANA RAVINDRA	EFFECT OF LEVERAGING THE RIGHT TECHNOLOGY FOR GLOBAL CUSTOMER RELATIONSHIP MANAGEMENT	UGC LISTED ABDC JOURNAL, WORLD JOURNAL OF MANAGEMENT AND ECONOMICS	16 & 75	2023	1998-1392 (online) ISSN / 1998-1392 (online)
29	Salve Archana RAVINDRA	A critical study on empowering women in the organization through hybrid work culture	UGC LISTED ,Madhya Pradesh Journal Of Social Sciences	1 & 280	2023	0973-855X. / 0973-855X.
30	Salve Archana RAVINDRA	Enhancing employability in India unravelling the transformative potential of vocational education for student career success	UGC LISTED , Madhya Pradesh Journal Of Social Sciences	1 & 253	2023	0973-855X. / 0973-855X.
31	Salve Archana RAVINDRA	Impact of employee training program on job performance and job satisfaction in a medium sized company	UGC LISTED Madhya Pradesh Journal Of Social Sciences	1 & 259	2023	0973-855X. / 0973-855X.
32	Salve Archana RAVINDRA	A STUDY TO ANALYZE THE IMPACT OF COVID 19 PANDEMIC ON WORK FROM HOME EMPLOYEES IN HR DEPARTMENT OF POWER GRID CORPORATION OF INDIA LIMITED	UGC LISTED ,Madhya Pradesh Journal Of Social Sciences	1 & 266	2023	0973-855X. / 0973-855X.
33	Salve Archana RAVINDRA	Artificial Intelligence and Machine Learning-Based Systems for Controlling Medical Robot Beds for Preventing Bedsores	SCOPUS INDEXED ,IEEE PUBLICATION Conference Proceeding	2 & 2105	2023	DOI: 10.1109/IC3I56241.2022.10073403 EID: 2-s2.0-85151947976 / DOI: 10.1109/IC3I56241.2022.10073403 EID: 2 -s2.0-85151947976
34	Salve Archana RAVINDRA	EFFECT OF WORKLIFE BALANCE PRACTICES AND WORKING CULTURE ON HYBRID EMPLOYEE JOB SATISFACTION :STUDY ON IT INDUSTRY	UGC LISTED INTERNATIONAL JOURNAL OF ANVESHAK	12 & 155	2023	2278-8913 / 2278-8913
35	THORAT PRAVIN	IOT:Its Structural design and Claims	International Journal of Food and Nutritional Sciences	11 & 12	2022	NA / e-ISSN 2320-7876



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36	Thorat Pravin Namdeo	Industrial Sector's Critical Risk Factors: An Analysis	International Journal of Food and Nutritional Sciences	11 & 14	2022	NA / e-ISSN 2320-7876
37	Pise Priya Jeevan	A Systematic Review of Geoinformational Databases & Data Mining using Deep Learning	Chinese Journal of Geotechnical Engineering	44 & 7	2023	NA / 1000-4548
38	Pise Priya Jeevan	Improvising Communication System by High Density Fibre Optic Cable using IoT Notifications	International Journal of Computer Integrated Manufacturing Systems	28 & 12	2022	NA / 1006-5911
39	Pise Priya Jeevan	Comparative Analysis of Alzheimer's Disease Detection Using Machine Learning Techniques	European Chemical Bulletin	12 & 437	2023	NA / 2063-5346
40	Pise Priya Jeevan	Feature Extraction Of Indicator Card Data For Sucker-Rod Pump Working Condition Diagnosis Using Machine Learning	Journal of Data Acquisition and Processing	38 & 6	2023	NA / 5060-5067
41	Das Soumitra Sibshankar	Syllabic Speech Synthesis for Marathi Language	1st International Conference on Cognitive Computing and Engineering Education (ICCCCE)	5	2023	979-8-3503-3280-3 / 979-8-3503-3280-3
42	Das Soumitra Sibshankar	Comparative Analysis of Skin Cancer Prediction using Neural Networks and Transfer Learning	5th International Conference on Contemporary Computing and Informatics (IC3I)	4	2022	979-8-3503-9826-7 / 979-8-3503-9826-7
43	Desai Darshana Jignesh	Selection of Digital Learning Platforms for Future Education 4.0 in India	IEEE Explore	6	2022	978-1-6654-9897-5 / 22960720
44	Desai Darshana Jignesh	Selection of Digital Learning Platforms for Future Education 4.0 in India	IEEE Explore	8	2022	978-1-6654-9897-5 / 2831-5022
45	Desai Darshana Jignesh	Education 4.0: Case Study on Selection of Digital Learning Platform and Communication Tools for Future Education 4.0 in India	IEEE Explore	6	2023	978-1-6654-9896-8 / 2831-5022



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8.	Research Projects/Schemes Undertaken by Teachers (2022-2023)						
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. (2022-2023)						
Sr. No.	No. of Teachers Attended State Level		No. of Teachers Attended National Level		No. of Teachers Attended International Level		
1	3		3		0		
10.	No. of Collaboration with International Institute/Colleges/University Department during the Year (2022-2023)						
Sr. No.	MoU	Exchange Program		Exchange of Teachers		Franchise	
1	1	0		0		0	
11.	Grants Sanction for Funding Agency (2022-2023)						
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other		
1	0	0	0	0	2		



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12.	Faculty Wise Enrollment Of Students (2022-2023)													
Faculty		Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering		FEMALE	52	7	0	2	0	1	2	0	25	1	0	90
		MALE	136	16	5	3	0	3	6	5	45	1	0	220
TOTAL			188	23	5	5	0	4	8	5	70	2	0	310

13.	Statistical Information about Teacher for Academic Year ( 2022-2023 )						
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	DT(A)	0	0	0	0	1	1
2	NT(B)	0	0	0	1	0	1
3	NT(C)	0	1	1	0	1	1
4	OBC	2	0	2	3	3	6
5	OPEN	1	5	6	7	2	9
6	SBC	0	1	1	0	0	0
7	SC	0	1	1	3	2	5
8	ST	0	1	1	0	0	0
	Total	3	9	12	14	9	23

Signature  
HOD/Principal/Director