



Savitribai Phule Pune University
Annual Report Information 2022-2023
Planning and Development

AR2306323

| 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: Pune Pincode: 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 ?Namya Press | 2022 | ISBN-10 ?: 978933810625 / 978933810625 |
| 5 | Salve Archana Ravindra | Diminishing barriers using Multidisciplinary Contemporary Research | Empyreal publishing house | 2023 | 978933810625 / 978933810625 |
| 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-Confining 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 Transanctions | Volume 107 & 1073027 | 2022 | NA / The Electrochemical society ECS Transanctions 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 (ICCCEE) | 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 | 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 | 0 | 90 |
| | MALE | 136 | 16 | 5 | 3 | 0 | 3 | 6 | 5 | 45 | 1 | 0 | 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 | Male | Female | Total | Male | Female | Total | |
| 1 | DT(A) | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2 | NT(B) | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3 | NT(C) | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 |
| 4 | OBC | 2 | 0 | 2 | 3 | 3 | 6 | 3 | 3 | 6 | 0 | 0 | 0 | 6 |
| 5 | OPEN | 1 | 5 | 6 | 7 | 2 | 9 | 7 | 2 | 9 | 0 | 0 | 0 | 9 |
| 6 | SBC | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Date : | SC | 0 | 1 | 1 | 3 | 2 | 5 | 3 | 2 | 5 | Signature HOD/Principal/Director | | | |
| Place : | ST | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | |
| | Total | 3 | 9 | 12 | 14 | 9 | 23 | | | | | | | |