# Faculty Profile

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| Name | Mrs. Rashmi S. Chhattani |
| Designation | Assistant Professor |
| Department | Information Technology |
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## Educational Qualifications

| Degree | University/Institution | Year of Passing |
|---|---|---|
| Ph.D. (Computer), Pursuing | Savitribai Phule Pune University | Thesis Submitted |
| M.E. (Computer) | Savitribai Phule Pune University | 2017 |
| B.E. (Computer) | Amravati University | 2003 |

## Professional Experience

| Sr. No. | Designation & Institute | Duration |
|---|---|---|
| 1 | Assistant Professor, PICT Pune | 24-08-2025 – Present |
| 2 | Assistant Professor, SKNCOE | 17-07-2018 – 31-05-2025 |
| 3 | Eric R. Sellors Holdings Ltd. | 12-11-2009 – 30-12-2011 |
| 4 | Trainer, Kruti Comp. India Pvt. Ltd. | 02-06-2003 – 28-09-2007 |

## Research Publications

| Sr. No. | Title | Publication/Conference |
|---|---|---|
| 1 | Analysis and Exploration of Carbon Emission Dataset using Machine Learning Techniques | Panamerican Mathematical Journal |
| 2 | Analysis of Learning Algorithms for Predicting Carbon Emissions of Light-Duty Vehicles | International Journal of Advanced Computer Science and Applications |
| 3 | Algorithmic Modeling for Predicting Carbon Emissions in an Individual Vehicles: A Machine Learning and Deep Learning Approach | International Journal of Intelligent Systems and Applications in Engineering |
| 4 | IoT-Enabled Forecasting of Vehicle Based Carbon Emissions and Smart Fuel Management: Optimizing Efficiency and Performance | International Journal of Intelligent Systems and Applications in Engineering |

| 5 | Forecasting Models for Carbon Emission: A survey and Discussion | International Journal of Mechanical Engineering |
|---|---|---|
| 6 | Intrusion Detection System Various Supervised Learning Techniques | International Journal of Advanced Trends in Computer Science and Engineering |

## Conferences / Seminars Attended

| Sr. No. | Conference/Seminar | Venue | Year |
|---|---|---|---|
| 1 | 2nd International conference on Advances in Technology and Management (ICATM 2024) | A. C. Patil College of Engineering, Kharghar, Navi Mumbai | 05/04/2024 - 06/04/2024 |
| 2 | International Conference on Recent Trends in Science, Technology, Engineering & Mathematics (MICRT-STEM 2023) | Ajeenkya DY Patil School of Engineering along with Global Research Conference Forum | 24/02/2023 - 25/02/2023 |
| 3 | Cpgcon-2017 | Sandeep Institute of Technology and Research Centre, Nashik | 24/03/2017- 25/03/2017 |
| 4 | 5th Postgraduate Conference of Computer Engineering | Pimpri Chinchwad College of Engineering, Pune | 25/3/2016- 26/3/2016 |

## Copyrights

| Sr. no. | Diary Number | Title | Published Date |
|---|---|---|---|
| 1 | L-112382/2022 | Prediction of Vehicle Based Carbon Emission for Smart Fuel Mechanism Based on Learning Techniques | 28/02/2022 |
| 2 | L-146520/2024 | IoT Enabled Device for Forecasting of Vehicle Based Carbon Emission | 10/4/2024 |
| 3 | L-147715/2024 | Dataset Collection for Smart Automation System for Calculating the Vehicular Carbon Emission Using CariQ Gadget | 10/5/2024 |
| 4 | L-147973/2024 | Dataset of Smart IoT Device for Forecasting of Vehicle Based Carbon Emissions | 24/05/2024 |

## Books

| Sr. No. | Book Title | Level | ISBN | Date |
|---|---|---|---|---|
| 1 | Distributed Systems | Tech Knowledge | 978-93-5563-440-5 | Aug-23 |
| 2 | Software Engineering | Tech Knowledge | 978-93-91496-27-2 | Dec-22 |
| 3 | Software Engineering | Tech Knowledge | 978-93-90428-65-6 | Dec-21 |
| 4 | Software Engineering | Tech Knowledge | 978-93-9748-93-2 | Jan-20 |
| 5 | Principles of Programming Languages | Tech Knowledge | 978-93- 89684-88-9 | Dec-19 |
| 6 | Object Oriented Programming | Tech Knowledge | 978-93- 89299-75-5 | May-19 |

## Patents

| Sr. no. | Diary Number | Title | Published Date |
|---|---|---|---|
| 1 | AI Based Device for Splicing Optical Fibers | 6389973 | 18-09-2024 - Granted |
| 2 | Prediction of Vehicle Based Carbon Emission for Smart Fuel Mechanism Based on Learning Techniques | 202321042858 | 04-08-2023 |
| 3 | Testing and Classification of Soil for the purpose of Cultivation using Machine learning | 202241044325 | 03-08-2022 |
| 4 | Android Battery Saver System | 202121033747 | 20-8-2021 |
| 5 | e- Authentication System | 202121033745 | 20-8-2021 |

## Guest Lectures

| Sr. no. | Guest Lecture Topic | Arrange By | Date | Mode |
|---|---|---|---|---|
| 1 | 80386 Microprocessor | Computer Department, VIIT, Pune | 21/11/2022 | Online |
| 2 | Future of Artificial Intelligence for Data Science and Robotics | AI & DS Department, ZCOER, Pune | 12/9/2022 | Offline |
| 3 | Artificial Intelligence: Social and Environmental Impact | AI & DS Department, ZCOER, Pune | 26/09/2022 | Offline |

## Awards & Recognitions

| Sr. no. | Event | Date | Domain | Award |
|---|---|---|---|---|
| 1 | World Record Participation for largest attendance in Virtual Yoga Class | 21/06/2023 | Virtual Yoga Class | World Record Participation |
| 2 | International Conference on, Engineering & Mathematics (MICRT-STEM 2023) | 24/02/2023 | Artificial Intelligence & IOT | Best Paper Presentation |
| 3 | Sachin Dodake Karandak, Warje Olympic | 12/2/2023 | Kabaddi | First Runner Up |
| 4 | Sachin Dodake Karandak, Warje Olympic | 12/2/2023 | Swimming Breast Stroke | First Runner Up |
| 5 | Sachin Dodake Karandak, Warje Olympic | 12/2/2023 | Swimming Back Stroke | Second Runner Up |
| 6 | Sachin Dodake Karandak, Warje Olympic | 12/2/2023 | Swimming Free Style Stroke | Second Runner Up |
| 7 | 100% Result Appreciation SKNCOE, yearly awards | 30/08/2020 | Subject Result Appreciation | Result Appreciation Certificate |
| 8 | cPGCON Conference | 24/03/2017 | cPGCON conference | Best Paper Presentation |

## Areas of Interest

| Sr. No. | Area |
|---|---|
| 1 | Machine Learning |
| 2 | IoT |
| 3 | Data Science |
| 4 | Data Mining |