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| **PCCOE&R Logo** | **Pimpri Chinchwad Education Trust’s**  **Pimpri Chinchwad College of Engineering & Research Ravet, Pune.** | | **C:\Users\Maithili\Pictures\maithili photo.jpg** |
| **Academic Year:** 2022 - 23 | | **Faculty Profile** |

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| **Name of Faculty:** | Mrs. Maithili Shailesh Andhare | | | | |
| **Qualification :** | ME(Electronics) (PhD pursuing) | | | | |
| **Designation :** | Assistant Professor | | | | |
| **Department :** | Electronics and Telecommunication Engineering | | | | |
| **Date of Joining :** | 1/07/2015 | | | | |
| **Experience :** | Teaching: 18 Yrs. | | | | |
| **Research Areas / Area of Specialization:** | Embedded System and IOT | | | | |
| **Courses / Subjects Taken:** | Microcontrollers, Digital systems, Embedded Systems, Advanced Processor, BXE, IOT, Control systems, Network Security | | | | |
| **IPR :** | **Title** | | **Docker No./ Diary No.** | | **Registered /Filed** |
| A smart tool for testing deficient elements in soil | | 201921052371 | | Registered |
| Water Bottle with Storage Container | | 65263 | | Registered |
| IOT Based Smart Container | | 670/2018-CO/L | | Registered |
| MONITOR AND REDUCE ENERGY CONSUMPTION USING IOT | | 28445/2021-CO/L | | Registered |
| IoT based Digital Library System using RFID Technology | | 28464/2021- CO/L | | Registered |
| **Research Publications :** | **-** | | | | |
| **Journal Publications:** | **Year** | **Title of Paper** | | **Published in** | |
| 2017 | Review on Performance Enhancement Techniques for Micro strip Patch Antenna Using Meta materials | | International Journal of Recent Trends in Engineering & Research | |
| 2019 | BER Evaluation for Power Control in DS-CDMA | | International Journal of Innovative Research in Technology | |
| 2019 | Person Recognition using Image Fusion of Face and Ear based on Linear Discriminate Analysis | | International Journal of Research in Advent Technology | |
| 2019 | Control System Analysis using Root Locus Method | | Journal of Control System and its Recent Developments | |
|  | 2020 | Making India Paperless using Cloud for documentation | | Mukt Shabd Journal | |
|  | 2021 | Design and implementation of wireless sensor network for environmental monitoring | | International Journal of Health Sciences, 6(S4), 3158–3169. | |
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| **Conference Publications:** | 2022 | IOT Enabled RFID Based Library Management and automatic book recommendation system using collaborative learning | | 2nd International conference on sentiment analysis and Deep Learning (ICSADL-2022) (SPRINGER) | |
|  | 2022 | Deployment of Real-Time Energy Monitoring System Using IoT | | 3rd International Conference for Emerging Technology (INCET) | |
| **Book's Publication:** | 04 | | | | |
| **Profile Link :** | https://scholar.google.com/citations?view\_op=list\_works&hl=en&hl=en&user=EzFRVNcAAAAJ | | | | |
| **Product Developed:** | 4 | | | | |
| **Certifications :** | NPTEL Certification | | | | |
| **Awards/Appreciation/Achievements:** | World record of filing maximum number of patent in a single day by PCCOER ladies Staff. | | | | |
| **Membership:** | IEEE | | | | |
| **Industrial Training :** | 1. Online Industrial training on IOT project Development using Industry grade Microcontroller during 28th june – 28th july , 2021 in Anand Techno Creation, Satara. 2. Online Industrial training on Design and Development of DC regulated Power Supply during 25th jan – 6th Feb, 2021 in Anand Techno Creation, Satara. 3. Online Industrial training on Design & Development of Sellable Automatic Dispenser: Sanitizer, Water and Liquid , during 23th March – 4th Apr, 2021 in Anand Techno Creation, Satara. 4. Industrial training on Arduino  , Express PCB , Proteus, during 2/12/2019 To 7/12/2019 at A Square, Pune. 5. Industrial training during 27/11/2017 To 29/11/2017 at Softcon Systems Private Limited Tathwade, Pune. | | | | |
| **Resource Person /Expert Session/Jury Invited:** | Worked as Judge for Project Competition ‘Projectron 2k20’ on 8/6/2020 at D Y Patil Engineering college Akurdi . | | | | |
| **Workshop/FDP/STTP attended(more than a Week):** | 20 | | | | |
| **Event Organized Inter department /Inter college/ Other recognized Industry/IIT’s /NPTEL/SPOKE N TUTORIAL/ etc.** | **-** | | | | |
| **Event Organized in Department:** | * One week workshop on "Raspberry with IOT" for TE Students. * Two days Hands on Workshop On "Advanced Embedded Linux for Industry Use " for BE students. * Two days Hands-on Workshop on Electronics Skill Development Lab for SE Students. * One week "Product development workshop" for TE students. * Three Days Faculty Development program in IOT   Organized by CopperCloud IOTech and Department of E&TC Engineering   * One Week Faculty Development program in IOT   Organized by Coppercloud IOTech and Department of E&TC Engineering   * Three days IOT Foundation Workshop Organized by Coppercloud IOTech and Department of E&TC Engineering | | | | |
| **University level appointments:** | University Practical Examiner coordinator , Paper Examiner, Paper Setter, External Senior supervisor for university exam | | | | |
| **Administrative Duties:** | Assistant Professor | | | | |
| **Academics Duties:** | Direct Second year admission In charge, Department Mentor Coordinator, Department Beautification Coordinator, Student counseling Cell Member, Criteria 7 Coordinator, BE honors in IOT course In charge | | | | |
| **Any Other** |  | | | | |

Prof. M.S.Andhare

Department of E&TC