



Department of First Year Engineering

Faculty Profile

Prof. Amol Dhepe

Assistant Professor

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Research Areas / Areas of Interest

Personal Details

Date of Birth : 18 / 08 / 1985

Domicile: Maharashtra

Gender : male

Blood Group: B+ve

Contact Details: Indrayani Nagar, Bhosari, Pune-411039.

Academic Background

| S. NO. | Qualification | Specialization | University | Class/Grade | Year of Passing |
|--------|---------------|----------------|------------|-------------|-----------------|
| 1 | ME | Computer Engg | SSPU | Distinction | July 2016 |
| 2 | BE | Computer Engg | Amravati | First Class | July 2010 |

Work Experience

| S. No. | Type of Experience | Years | Months |
|--------|--------------------|-------|--------|
| 1 | Teaching | 13 | 08 |
| 2 | Industry | 00 | 10 |
| 4 | Others | -- | -- |
| Total | | 14 | 06 |

Subjects / Courses Taught

| S. No. | Subject | UG/PG | Class (FE/SE/TE/BE/ME) | No of times Subject Taught |
|--------|-----------------------------|-------|------------------------|----------------------------|
| 1 | Oracle Database | UG | SE | 3 |
| 2 | programming in C | UG | FE | 2 |
| 3 | Object Oriented Programming | UG | SE | 2 |
| 4 | Data Structure | UG | SE | 1 |
| 5 | S/W Testing | UG | SE | 2 |
| 6 | Block Chain Technology | UG | BE | 2 |
| 7 | High Performance Computing | UG | BE | 2 |

Research Publications

| | National | International | State | SCI/ Scopus Indexed | UGC Approved |
|--------------------|----------|---------------|-------|---------------------------|-----------------|
| Journals | 00 | 03 | 00 | 00 | 00 |
| Conferences | 01 | 00 | 00 | 00 | -- |

Publication Details (Journals)

| S. No | Document Details | Authors | Year | Source Details | ISBN/ ISSN | Publisher |
|----------|--|-----------------|---------------------|-----------------------|-------------------|---------------|
| 1 | Continuous Summarization and Timeline Generation for Topic Evolutionary Tweet Streams. | Mr. A. M. Dhepe | 19 March 2016 | International Journal | Vol. 4- 2321 9637 | IJRAT |
| 2 | Continuous Summarization and Timeline Generation for Evolutionary Tweet Streams. | Mr. A. M. Dhepe | April 2016 | International Journal | Vol. 2- 2395 4396 | IJARIE |
| 3 | AI-Driven Risk Assessment Models for Bruxism: Predicting and Managing Teeth Grinding in Dental Practices | Mr. A. M. Dhepe | March 21 - 22, 2025 | International Journal | | (ICSCIS 2025) |

Publication Details (Conferences)

| S. No | Document Details | Authors | Year | Conference Details | ISB N | Organised By |
|-------|---|-----------------|--------------|------------------------|-------|------------------|
| 1 | Energy efficient routing protocols for mobile ad hoc networks. | Mr. A. M. Dhepe | 7 March 2010 | National Conference | - | TECHNO BLITZ |
| 2 | Efficient Summarization Framework for Evolutionary Tweet Streams. | Mr. A. M. Dhepe | Feb 2016 | State level Conference | III | CPGCON SPPU Pune |

PhD / ME / BE Student Guided for Project

| Level | Ph.D. | M.E. (PG) | B.E. (UG) |
|-----------------------|-------|-----------|-----------|
| No. of Student guided | - | - | 20 |

Professional Memberships

| Professional Body | Level (National/ International) | Type (Fellow/Life/Annual) | Membership No. |
|-------------------|--|------------------------------|-------------------|
| - | - | - | - |

Patents / IPR Filed / Granted

| S. No | Investigator Details | Title | Year | Status (Filed/Granted) | Details |
|-------|----------------------|-------|------|------------------------|---------|
| 1 | - | - | - | - | - |

Book Chapter Published

| S. No | Title | Name of the Publisher | ISBN Number |
|-------|-------|-----------------------|-------------|
| 1 | - | - | - |

Research Grants Received

| S. No | Program | Duration | Funding Agency | Grant Amount |
|-------|---------|----------|----------------|--------------|
| 1 | - | - | - | - |

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

| S. No | Title | Type | Duration | Level (State/National/ International) | Sponsoring Agency |
|-------|--|------|----------|---------------------------------------|-------------------|
| 1 | "Industrial Training Program at M/s. National Institute of Electronics & Information Technology (NIELIT), Aurangabad for the faculties of CO, IT & EJ Engineering Dept. of Affiliated Polytechnic" | | 3 Days | State | NIELIT |
| 2 | The Students Solar Ambassador (SSA) Workshop 2019, conceptualized and organized by IIT Bombay under Prof. Chetan Singh Solanki, was successfully conducted across the world, wherein a | | 1 days | International | IIT Bombay |

| | | | | | |
|---|---|--|--------|-------|---|
| | million students got hands-on training on solar lamp assembly on a single day 2nd Oct. 2019, marking the 150th Birth Anniversary of Mahatma Gandhi. | | | | |
| 3 | Internet of Things proposal workshop | | 3 Days | State | - |

Contribution as Resource Person

| S. No. | Place/ Organization | Topic | Level(National/Int/ State/Regional) | Date |
|--------|---------------------|-------|-------------------------------------|------|
| | | | | |
| | | | | |
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Details of Workshop / STTP / FDP / Conferences Attended

| S. N | Title | Type | Duration | Organizer | Sponsoring Agency |
|------|---|---------|----------|--|-------------------|
| 1 | Attended FDP on Recent Trends in Computer Science organized by Department of Computer Engineering at MGM's Polytechnic, Aurangabad | FDP | 3 Days | MGM's Polytechnic, Aurangabad | - |
| 2 | participated in Webinar for Internet of Things organized by National Institute of Electronics and Information Technology (NIELIT) | Webinar | 1 Day | NIELIT | - |
| 3 | participated in Webinar for Robotic Process Automation organized by National Institute of Electronics and Information Technology (NIELIT), | Webinar | 1 Day | NIELIT | - |
| 4 | Attended FDP on "EFFECTIVE TEACHING AND LEARNING USING ACTIVE LEARNING METHODS" organised by Department of Mechanical Engineering of Rajarshi Shahu College of Engineering, Polytechnic, Pune | FDP | 3 Days | Rajarshi Shahu College of Engineering, Polytechnic, Pune | - |

| | | | | | |
|----|--|-----|--------|----------------------|---|
| 5 | "AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)". | FDP | 5 Days | AICTE | - |
| 6 | Attended FDP on Role of OBE in Teaching and Learning under ISTE faculty chapter organized by AISSMS's Polytechnic | FDP | 2 Days | AISSMS's Polytechnic | - |
| 7 | Attended FDP on organized by National Institute of Electronics and Information Technology (NIELIT), & Sponsored by MSBTE | FDP | 3 Days | MSBTE | - |
| 8 | Attended FDP on Technical Skill Enhancement Program organized by RMDIOER, Chinchwad | FDP | 1 Day | RMDIOER, Chinchwad | - |
| 9 | Attended FDP on Soft Skill And Social Responsibilities organized by DIT, Pimpri | FDP | 1 week | DIT, Pimpri | - |
| 10 | "Advancements in Artificial Intelligence" organized by the Department of CSE - Artificial Intelligence, VIIT, Pune | FDP | 1 week | VIIT, Pune | - |
| 11 | Advancing Sustainability: integrating E-vehicle, solar PV & Energy conservation | FDP | 3 Days | DIT, Pimpri | - |
| 12 | Attended FDP on Soft Skill And Social Responsibilities organized by DIT, Pimpri | FDP | 5 Days | DIT, Pimpri | - |
| 13 | AI-ML in HealthCare and Medical Informatics, organized by the Department of Computer Engineering, at Dr. D.Y. Patil Institute of Technology, Pimpri Pune-18. | FDP | 5 Days | DIT, Pimpri | - |
| 14 | <i>Digital Horizon: A Summer Workshop on Digital Twins and Metaverse</i> | FDP | 5 Days | DIT, Pimpri | - |
| 15 | <i>Emerging trends in 3D printing & its biomedical Application.</i> | FDP | 5 Days | DIT, Pimpri | - |

Major Professional Responsibilities Handled

| S. No. | Role and Responsibilities |
|--------|--|
| 1 | Performed teaching in areas of expertise. |
| 2 | Prepare lesson plans, instructional materials and methods of assessment. |
| 3 | Taught on assigned schedules for several subjects based on approved curriculum. |
| 4 | Contributed to the development of engineering development policies. |
| 5 | Involved in initiatives to maintaining productive forums with students. |
| 6 | Assisted in motivating students in achieving completion of their projects and assignments. |
| 7 | Provide individualized instruction to keep all students at expected skill level. |
| 8 | Develop discipline plans and work closely with at-risk students. |
| 9 | Preparation of Question papers for the internal Mid-terms and Finals. |
| 10 | Monitoring Attendance. |
| 11 | Improvement in Spoken English of Student from Rural places. |
| 12 | Making of Progress reports. |
| 13 | Meeting with students and helping them in solving their problems. |
| 14 | Extending Student knowledge by taking debate and group discussions to inculcate Communication skills. |
| 15 | Shared guidance duties, committee and department assignments with other faculty members. |
| 16 | Employ differentiated teaching methods, incorporating, audio and visual activities to address all learning styles. |
| 17 | Making time table in each semester. |
| 18 | Efforts for teaching to provide PPT, Videos, Animation. |

Awards Received

| S. No. | Awards |
|--------|--------|
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Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Prof. Amol Dhepe