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**Bharatiya Vidya Bhavan’s**

**Sardar Patel Institute of Technology**

**Department of Computer Engineering**

**Vision**

“To impart the education that graduates globally competent, socially sensitive, contributory computer professionals.”

### Mission

* To provide a rigorous, conducive academic environment and constantly innovate in the design of the curriculum and its deployment (T-L-E-A Processes).
* To collaborate with industries and academia to strengthen education and ensure relevant research.
* To focus on experiential learning and inculcate problem solving, leadership, professional ethics, teamwork and sensitivity to the real-world problems.
* To ensure a professional growth mindset that translates to lifelong learning for all.

**Program Outcomes (PO’s) for UG Program**

**PO1: Engineering Knowledge:** apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

**PO2: Problem Analysis:** identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3: Design & Development of Solutions:** design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and the cultural, societal, and environmental considerations.

**PO4: Conduct Investigation of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.

**PO5: Modern Tools Usage:** create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6: The Engineer and Society:** apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

**PO7: Environment & Sustainability:** understand the impact of professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8: Ethics:** apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

**PO9: Individual & Team work:** function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10: Communication:** communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, making effective presentations, and give and receive clear instructions.

**PO11: Project management & Finance:** demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12: Life-long Learning:** recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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**Department of Computer Engineering**

**Program Education Objectives (PEO’s) for B.Tech (CE) Program**

* 1. ***years from graduation, B.Tech. (CE ) graduates will\_\_***

**PEO1: Possess** proficiency in computing technologies and innovate in design, development, deployment, and maintenance of software systems while serving various sectors of economy.

**PEO2: Demonstrate** leadership, communication, and interpersonal skills, creativity and innovation, teamwork, and excellent project and finance management skills.

**PEO3: Exhibit** zeal towards lifelong learning, values, ethics, sensitivity to global problems, and prove to be dutiful citizens for society.

**Program Specific Outcomes (PSO’s) for B.Tech (CE) Program**

***At the end of graduation, B.Tech.(CE) students will \_\_***

**PSO1:** **Possess** strong foundation of Computer Engineering (Algorithms, Data Structures, AIML, Databases, Networks, Security etc.) and apply the same for finding efficient and feasible solutions to real-life problems.

**PSO2:** **Demonstrate** good communication skills, teamwork, project and finance management skills, sensitivity towards environment and society, and attitude towards lifelong learning.

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**Department of Computer Engineering**

**Program Education Objectives (PEO’s) for M.Tech (CE) Program**

***Within two years of post-graduation, M. Tech. (CE) graduates will \_\_***

**PEO1: Demonstrate** technical competency and maintain software products, services and systems with strong analytical and problem-solving skills.

**PEO2: Collaborate** while working on interdisciplinary projects fostering innovations.

**PEO3: Exhibit** effective leadership, teamwork, and lifelong learning.

**Program Outcomes (PO’s) for M.Tech (CE) Program**

***At the end of the program, Postgraduates will be able to\_\_***

**PO1:** Independently carry out research /investigation and development work to solve practical problems.

**PO2:** Write and present a substantial technical report/document.

**PO3:** Demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

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**Department of Computer Engineering**

**List of Laboratories**

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| --- | --- | --- |
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| **SR. NO.** | **NAME OF THE LABORATORY** | **ROOM NO.** |
| 1 | Networking Lab | 603 |
| 2 | Algorithms Lab |
| 3 | Post Graduate Lab |
| 4 | Distributed Computing Lab | 604 |
| 5 | Database Lab | 606 |
| 6 | Data Analytics Lab |
| 7 | Software Engineering Lab | 607 B |
| 8 | System Programming Lab | 608 |
| 9 | Machine Learning Lab | 702 |
| 10 | Artificial Intelligence Lab |
| 11 | Soft Computing Lab |
| 12 | System Security Lab | 703 |
| 13 | Cyber Security Lab |
| 14 | Operating Systems Lab | 507 |
| 15 | Project Lab | 509 |

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**Department of Computer Engineering**

**List of Support Staff**

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| --- | --- | --- | --- |
| **Sr. No.** | **Staff Name** | **Qualification** | **Designation** |
| 01 | Mr. NandKumar A. Kinare | Diploma in Computer Technology | Technical Assistant |
| 02 | Mr. Rajendra B. Nalawade | Diploma in Computer Engineering | Technical Assistant |
| 03 | Ms. Rupali Bhosale | Diploma in Computer Engineering | Technical Assistant |
| 04 | Mr. Priyanka Modsing | B. Com., B.Lib. | Clerk |
| 05 | Mr. Mangesh P. Birje | 9th pass | Office Assistant |
| 06 | Mr. Vishwanath Kamblekar | 10th pass | Office Assistant |
| 07 | Mr. Prathamesh Bhonde | 10th pass | Office Assistant |

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**Department of Computer Engineering**

**List of Faculty: A.Y. 2024-25**

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| --- | --- | --- | --- |
| **Sr. No** | **Name of the Faculty** | **Qualification** | **Designation** |
| 1 | Prof. Dhage Sudhir Namdeorao | Ph.D. (Mumbai Univ.) | **Professor** |
| 2 | Dr. Dholay Surekha Rajesh | Ph.D. (Mumbai Univ.) | **Associate Professor** |
| 3 | Dr. Nimkar Anant Vitthalrao | Ph.D. (IIT Kgp.) | **Associate Professor** |
| 4 | Dr. Bhavathankar Prasenjit Bhanudas | Ph.D. (IIT Kgp.) | **Associate Professor** |
| 5 | Mr. Godbole Anand Avinash | Pursuing Ph.D. (Mumbai Univ.) | **Associate Professor** |
| 6 | Mrs. Gawande Kiran Shrikant | M.E. (Amravati Univ.) | Assistant Professor |
| 7 | Mrs. Ramteke Jyoti Yashawant | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 8 | Dr. Devadkar Kailas Kisan | Ph.D. (Mumbai Univ.) | Assistant Professor |
| 9 | Dr. Sail Disha Devendra | Ph.D. (Mumbai Univ.) | Assistant Professor |
| 10 | Dr. Raul Nataasha Nitin | Ph.D. (Mumbai Univ.) | Assistant Professor |
| 11 | Mrs. Chaudhari Sheetal Yogesh | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 12 | Mrs. Reeta Anil Koshy | M.E. (Mumbai Univ.) | Assistant Professor |
| 13 | Dr. Pawar Renuka Sahebrao | Ph.D. (Mumbai Univ.) | Assistant Professor |
| 14 | Mr. Sisodia Jignesh Amarsingh | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 15 | Mrs. Kurhade Swapnali Ravikumar | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 16 | Dr. Pramod Jagannath Bide | Ph.D. (Mumbai Univ.) | Assistant Professor |
| 17 | Mr. Sunil Bahiru Ghane | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 18 | Mr. Abhijeet Vijay Salunkhe | Pursuing Ph.D. (IITB) | Assistant Professor |
| 19 | Mrs. Mulla Nikahat Sammie | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 20 | Mrs. Hole Varsha Pravin | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 21 | Mrs. Halbe Aparna Vishal | Pursuing Ph.D. (Mumbai Univ.) | Assistant Professor |
| 22 | Dr. Anuj Tawari | Ph.D. (IMSc) | Assistant Professor |
| 23 | Mrs. Shivani Supe | M. Tech. (Mumbai Univ.) | Assistant Professor |
| 24 | Mrs. Mayuri More | M. Tech. (Mumbai Univ.) | Assistant Professor |
| 25 | Mr. Siddhartha Chandra | M.S. (Columbia, USA) | **Professor of Practice** |