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### Department Vision

Our vision is to empower our students with the skills and knowledge necessary to meet the challenges of the 21st century, driving sustainable socio-economic development through innovative solutions and responsible use of technology.

### Department Mission

- M1: Catering to the needs of students by providing good infrastructure and by imparting skills relevant to the IT industry.
- M2: To motivate students and faculty members towards self-learning to acquire knowledge about emerging technologies in the IT industry.
- M3: Promoting research that leads to innovative solutions using cutting-edge technologies in IT domain for the benefit of the society.
- M4: To inculcate team spirit, leadership qualities and ethics among the students and faculty.

### Editorial Members

1. A.V. Krishna Rao P *Chief Editor* faculty member.
2. Balaji B *Student Member* Y19AIT413, VIII semester A Sec.
3. Padmaja V *Student Member* Y19AIT510, VIII semester B Sec.
4. Chaitanya Y *Student Member* L21AIT412, VI semester A Sec.
5. Manikanta Y *Student Member* L21AIT418, VI semester B Sec.
6. Avinash K *Student Member* Y21AIT447, IV semester A Sec.
7. Roshan S.C.S *Student Member* Y21AIT494, IV semester B Sec.

## Students' Achievements

### Campus Placement Details

| SNo | Employer              | Count | Package(lpa) |
|-----|-----------------------|-------|--------------|
| 1   | Prudent Technologies  | 1     | 3.5          |
| 2   | Snovasys              | 2     | 4            |
| 3   | Talent Pace Pvt. Ltd. | 1     | 3            |
| 4   | TCS (Digital)         | 1     | 7            |
| 5   | TCS (Ninja)           | 16    | 3.36         |
| 6   | Turing Minds.AI       | 2     | 3            |
| 7   | Virtusa               | 2     | 5.5 to 7     |

### Co-curricular Achievements

| SNo | Achievement Type                                              | No. of Prizes |    |     |
|-----|---------------------------------------------------------------|---------------|----|-----|
|     |                                                               | I             | II | III |
| 1   | Technical Paper Presentation (Inter College)                  | 1             | 2  | 0   |
| 2   | Technical Quiz (Inter College)                                | 3             | 0  | 3   |
| 3   | Qualification in Competitive Exams (GRE/TOEFL/IELTS/GATE etc) | 20            |    |     |

### Extra-curricular Achievements

| SNo | Achievement Type | No. of Prizes |    |     |
|-----|------------------|---------------|----|-----|
|     |                  | I             | II | III |
| 1   | Athletics        | 0             | 2  | 0   |
| 2   | Volley Ball      | 3             | 0  | 0   |
| 3   | Cultural         | 7             | 1  | 1   |
| 4   | Chess            | 0             | 1  | 0   |

### Results Analysis

| Certifications Obtained |                      |       |
|-------------------------|----------------------|-------|
| SNo                     | Certifying Authority | Count |
| 1                       | NPTEL                | 9     |

| Batch   | Semester | Pass% |
|---------|----------|-------|
| 2019-23 | VII      | 94.6  |
| 2020-24 | V        | 67.2  |
| 2021-25 | III      | 60.6  |
| 2022-26 | I        | 68.4  |

For further details, please [click here](#).

## Events Organized

### SNo Event Details

### Gallery

- 5 A Technical Paper Presentation on "**Occation of BECTAGON-2K23**" was held on Mar.03, 2023.16 students attended the event.



- 4 A Technical Quiz on "**Occation of BECTAGON-2K23**" was held on Mar.03, 2023.17 students attended the event.



- 3 A Code Rivalry Program on "**Occation of BECTAGON-2K23**" was held on Mar.04, 2023.29 students attended the event.



- 2 A One-Day Orientation Program on "**Robotic Process Automation**" was held on Mar. 25, 2023. The resource person was Nagaraju Ikkurthi, Solution Architect, Accenture.97 students attended the program.



- 1 A Farewell Day for 2019-23 batch students was held on Apr. 11, 2023. Students and faculty members of the department attended the function.



## Faculty Achievements

### Academic & Research Achievements

| SNo | Achievement Type                 | Count |
|-----|----------------------------------|-------|
| 1   | NPTEL Certifications             | 6     |
| 2   | Wipro Certifications             | 1     |
| 3   | Workshops / STTP / FDPs attended | 7     |

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## Prog. Edu. Objectives

- PEO1: Successful and ethical professionals in IT and ITES (Information Technology Enabled Services) industries contributing to societal progress.
- PEO2: Engage in life-long learning, adapting to changing technological scenarios.
- PEO3: Communicate and work effectively in diverse teams and exhibit leadership qualities.

## Program Outcomes

- PO1 Engineering Knowledge: Apply the 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 the public health and safety, and the cultural, societal, and environmental considerations.
- PO4 Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5 Modern Tool 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 the professional engineering practice.

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## Faculty Achievements Cont. . .

### Awards / Rewards

| SNo | Faculty Name     | Award / Reward details |
|-----|------------------|------------------------|
| 1   | Dr. B.Krishnaiah | Awarded PhD            |
| 2   | Dr. P.Ravi Kumar | Awarded PhD            |
| 3   | Dr. P.Ravi Kumar | Best Research Paper    |

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## Research Activities

### Conference Papers

1. Krishnaiah Boyana, Venkateswara Rao Gurralla, and GV Swamy. Design and analysis of qos-based routing protocols for dynamic data transmission in wireless adhoc networks. In *2022 OPJU International Technology Conference on Emerging Technologies for Sustainable Development*, pages 1–6. IEEE Xplore, May 2023. URL <https://doi.org/10.1145/1014052.1016915>

### Journal Papers

1. Sreedhar Pulipati. Hand gesture recognition using shape-based image video controlling. *IJCST*, 10(4):258–264, Jan.2023. ISSN 2347-8578. URL <https://ijcstjournal.org>
2. BBK Prasad, Raghava S, Dharani V, and Naveen A. Heart disease prediction system using hybrid model using rf and svc. *The International journal of analytical and experimental modal analysis*, 14 (3):1883–1890, Mar. 2022. ISSN 0886-9367. URL <https://ijaema.com/index.php/volume-xiv-issue-iii-march-2022/>
3. Narender Chinthamu, KGS Venkatesan, Ravindra Raman Cholla, Pujala Nanda Kishore, Rajiv Iyer, and Priyanka Joshi. A novelcloud-based framework for embedded systems with improved scalability and space. *European Chemical Bulletin*, 12(5):968–975, May 2023. ISSN 29232933. URL <https://www.eurchembull.com/archives>
4. BBK Prasad, B Naga Siva Likhitha, and K Ramesh. Detecting fake online reviews using supervised and semi supervised learning. *International Journal Of Engineering In Advanced Research Science And Technology*, 01(03):696–703, 2022. ISSN 2352-8648. URL <http://www.ijearst.co.in/>
5. A V Krishna Rao Padyala and K Ramkumar. Mri and ct scan data based volume rendering with python. *Mathematical Statistician and Engineering Applications*, 72(2):42–52, May 2023. ISSN 20940343. URL <https://www.philstat.org/index.php/MSEA/article/view/2779>

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## Program Outcomes

- PO7 Environment and Sustainability: Understand the impact of the 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 the engineering practice.
- PO9 Individual and 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, make effective presentations, and give and receive clear instructions.
- PO11 Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to ones 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.

## Prog. Spec. Outcomes

- PSO1 Domain knowledge: Acquire knowledge of hardware functionality, design and development of software components required to process the information.
- PSO2 Problem solving skills: Analyze data, Identify required data structures, design suitable algorithms, develop, operate and maintain software for real world problems.
- PSO3 Paradigm shifts: Understand the progressive changes in computing, possess knowledge of context aware applicability of paradigms.

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