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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. Durga Prasad KVSS *Student Member* Y20AIT459, VIII semester A Sec.
3. Sri Hari M *Student Member* Y20AIT507, VIII semester B Sec.
4. Bhaskar PLS *Student Member* Y21AIT479, VI semester A Sec.
5. Sai Prasad Y *Student Member* Y21AIT523, VI semester B Sec.
6. Prem Kumar G *Student Member* Y22AIT432, IV semester A Sec.
7. Venkat P *Student Member* Y22AIT492, IV semester B Sec.

Students' Achievements

Campus Placement Details

| SNo | Employer | Count | Package(lpa) |
|-------|----------------------|-------|--------------|
| 1 | Numetry Technologies | 3 | 4 |
| 2 | Zolostays | 2 | 3.6 |
| 3 | KJ Systems Pvt Ltd | 1 | 4 |
| 4 | Vanx | 1 | 4.5 |
| Total | | 7 | - |

Co-curricular Achievements

| SNo | Achievement Type | No. of Prizes | | |
|-------|---|---------------|----|-----|
| | | I | II | III |
| 1 | Technical Poster Presentation (Inter College) | 1 | - | - |
| 2 | Technical Quiz (Inter College) | - | 1 | - |
| 3 | Hackathon (Inter College) | 1 | - | - |
| 4 | GATE/GRE/TOFEL/IELTS/Dulingo/etc.. | | | 1 |
| Total | | | | 4 |

Extra-curricular Achievements

| SNo | Achievement Type | No. of Prizes | | |
|-------|-------------------------------|---------------|----|-----|
| | | I | II | III |
| 1 | Kabaddi (National Level) | - | 1 | - |
| 2 | Kabaddi (Inter College Level) | - | 2 | - |
| 3 | Athletics (National Level) | 2 | - | - |
| 4 | Volley Ball (National Level) | 1 | - | - |
| 5 | Kabaddi (Intra College) | 2 | - | - |
| Total | | | | 8 |

Certifications Obtained

| SNo | Certifying Authority | Count |
|-------|----------------------|-------|
| 1 | IIT | 11 |
| 2 | Udemy | 02 |
| 3 | Coursera | 4 |
| 4 | Cisco | 02 |
| 5 | Others | 04 |
| Total | | 23 |

Results Analysis

| Batch | Semester | Pass% |
|---------|----------|-------|
| 2020-24 | VII | 94.3 |
| 2021-25 | V | 75.0 |
| 2022-26 | III | 76.5 |
| 2023-27 | I | 81.2 |

Outgoing Batch Academic Performance

| Batch | Appeared | Pass % | % of students with class | | |
|---------|----------|--------|--------------------------|-------|-------|
| | | | Distinction | I | II |
| 2020-21 | 103 | 100% | 58.2% | 29.1% | 12.6% |

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



Events Organized

SNo Event Details

Gallery

- 1 A One-Day Awareness Program on "**Overseas Education**" was held on Jan. 27, 2024. The resource person was from LEO Global Overseas. 100 students attended the program.



- 2 A Farewell Day for 2020-24 batch students was held on Apr. 19, 2024. Students and faculty members of IT department attended the function.



Faculty Achievements

Academic & Research Achievements

| SNo | Achievement Type | Count |
|-------|---|-------|
| 1 | NPTEL Certifications | 8 |
| 2 | Wipro Certifications | 2 |
| 3 | Pantech Certifications | 1 |
| 4 | Cisco Certifications | 2 |
| 5 | Workshops / STTP / FDPs attended | 8 |
| 6 | Resourse Person / Conference Chair / Reviewer | 2 |
| 7 | Qualified in GATE / NET / SET / RCET | 2 |
| Total | | 25 |

Awards / Rewards

| SNo | Faculty Name | Award / Reward details | Given by |
|-----|---------------------|--|--|
| 1 | Dr. K.Srinivasa Rao | Student Mentorship & Development Award | AI Medical & Engg. Researchers Society |

Research Activities

Patents Published/Granted

1. K Nageswararao, Ch Venkata Murali Krishna, Veera Ankalu V, Bala rahmeswara K, K Sai Prasanth, B.Suneetha, Md. Umair Quadri, Ch. Sathyanada Reddy, Srinu Naik R, K.Nitalaksheswara Rao, and Arshad Mohammed. Smart hand sanitizer making and dispensing machine, Granted in 2024. URL <https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/eRegistrationReport>

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Prog. Edu. Objectives

- PEO1: Become 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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Research Activities Cont. . .

Books Published

1. Sreedhar Pulipati and Prasad BBK. *Machine Learning in Biomedical and health Informatics*. Scientific International Publishing House, 1 edition, April, 2024. ISBN 978-93-6132-357-7

Conference Papers

1. Pulipati Sreedhar. Deep learning based identification of plant diseases. In *3rd International conference on Deep Sciences for computing and Communications*, pages 788–793. SRM, April.2024. URL <https://cmt3.research.microsoft.com/ICONDEEPCOM2024>
2. Krishnaiah Boyana, Venkateswara Rao Gurralla, and B. Kumar Babu. Implementation of epsorr technique for efficient data transmission in ad hoc networks. In *Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2024)*, pages 1665–1669. IEEE, July.2024. URL <https://ieeexplore.ieee.org/document/10575291>

Journal Papers

1. Pulipati Sreedhar. Blockchain assisted homomorphic searchable symmetric encryption for data security enhancement. *Concurrency and Computation: Practice and Experience*, 36(2):361–369, Aug.2024. ISSN 1532-0626. URL <https://onlinelibrary.wiley.com/>
2. N Srinivasa Rao, M Praveen Kumar, K Sai Prasanth, and Mastanaih Naidu Y. Double text data compression: New lzw algorithm with bit reduction algorithm. *International Journal for Modern Trends in Science and Technology*, 10(2):429–432, Jan. 2024. ISSN 24553778. URL <https://doi.org/10.46501/IJMTST1002057>
3. Bhashyam Krishna Mohan, Vasantha Rudramalla, Naga Malleswara Rao Purimetla, Peravali Surekha, B Murali Krishna, and Sai Srinivas Vellela. A comprehensive review of ai techniques in serious games: Decision making and machine learning. *International Journal for Modern Trends in Science and Technology*, 10(2):305–311, Feb. 2024. ISSN 24553778. URL <https://doi.org/10.46501/IJMTST1002039>
4. Vasantha Rudramalla, Bhashyam Krishna Mohan, B Murali Krishna, Peravali Surekha, Sai Srinivas Vellela, and Naga Malleswara Rao Purimetla. Predictive modeling for early reviewer engagement:optimizing online product marketing strategies. *International Journal for Modern Trends in Science and Technology*, 10(2):312–318, Feb. 2024. ISSN 24553778. URL <https://doi.org/10.46501/IJMTST1002040>
5. Ravi Kumar Palacharla and Valli Kumari Vatsavayi. A novel approach for text classification using feature selection algorithm and term weight measures. *Springer Proceedings in Mathematics & Statistics*, 421:287–301, May. 2024. ISSN 9783031511660. URL https://doi.org/10.1007/978-3-031-51167-7_28

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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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