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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. Prasad G *Chief Editor* faculty member.
2. Chaitanya T *Student Member* Y19AIT407, VIII semester A Sec.
3. Chaitanya T *Student Member* Y19AIT407, VIII semester B Sec.
4. Chaitanya T *Student Member* Y19AIT407, VI semester A Sec.
5. Chaitanya T *Student Member* Y19AIT407, VI semester B Sec.
6. Chaitanya T *Student Member* Y19AIT407, IV semester A Sec.
7. Chaitanya T *Student Member* Y19AIT407, IV semester B Sec.

Students' Achievements

Campus Placement Details

SNo	Employer	Count	Package(lpa)
1	T-Machine Software Solutions	5	3.6
2	ExcelR	3	4
3	Accenture	7	4.5
4	Snovasy	5	3.4 to 6.5

Co-curricular Achievements

SNo	Achievement Type	No. of Prizes		
		I	II	III
1	Technical Paper Presentation (Intra College)	1	1	1
1	Technical Paper Presentation (Inter College)	2	0	2
2	Technical Quiz (Intra College)	3	3	3
2	Technical Quiz (Inter College)	0	0	2
3	Software Contest (Intra College)	1	1	1
4	Group Discussion (Intra College)	1	1	1
5	Academic Prize (Intra College)		7	
6	Endowment Prize (Intra College)		1	

Certifications Obtained

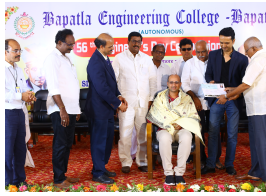
SNo	Certifying Authority	Count
1	NPTEL	10
2	Udemy	02
3	Coursera	01
4	Cisco	01
5	Scrum Study	05
6	Smart Learn	08
7	UIPath	04
8	Others	11

Results Analysis

Batch	Semester	Pass%
2019-23	VIII	93.7
2020-24	VI	85.5
2021-25	IV	81.4
2022-26	II	70.0

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

Events Organized

SNo	Event Details	Gallery
1	Offered Honors Course on "Software Project Management" with industry expert from Jun. 17 to Sep. 26, 2023 . The resource person was Mr. B.Ratna Babu, Dash Ninja Technologies . 17 students attended the course.	
2	A "Strategic Training Program to Equip Professional Skills (STEPS)" was held from Sep. 04 to Dec. 12, 2023 . The resource person was from ZIZA First Organization . 124 students attended the training.	
4	A Technical Quiz was conducted on the occasion of "Engineer's Day-2023" on Sep. 12, 2023 . 15 students participated in the event.	
5	A Technical Seminar was conducted on the occasion of "Engineer's Day-2023" on Sep. 13, 2023 . 20 students attended the event.	
6	A Software Contest was conducted on the occasion of "Engineer's Day-2023" on Sep. 13, 2023 . 10 students attended the event.	
7	A Five-Day Workshop on "UIPath Robotic Process Automation" was held from Sep. 19 to Sep. 23, 2023 . The resource person was Nagaraju Ikkurthi, Solution Architect, Accenture . 120 students and 4 faculty members attended the workshop.	

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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

Academic & Research Achievements

SNo	Achievement Type	Count
1	NPTEL Certifications	6
1	Cisco Certifications	2
2	Pantech Certifications	1
3	Workshops / STTP / FDPs attended	51
4	Resourse Person / Conference Chair / Reviewer	1

Awards / Rewards

SNo	Faculty Name	Award / Reward details
1	Dr. P.Ravi Kumar	Best Teacher Award

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Research Activities

Patents Published/Granted

1. Sai Prasanth Kanuparth, Kamini Srinivasa Rao, Palacharla Ravi Kumar, Suresh Kumar Kallagunta, Prasad Gudimetla, Muvva Praveen Kumar, and Srinivasa Rao Namburi. Ai based plant extract analyzing device to identify disease, Granted in 2023. URL <https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/eRegistrationReport>
2. Kiran Kumar Kommineni, Pulibandla Venkata Siva, Ratna Babu Pilli, Naga Malleswara Rao Purimetla, Srinivasa Rao Gummadi, M. Pushpalatha, K. Aruna Kumari, Shaik Raziya Sultana, Raju Thommandru, and Mastanaiah Naidu Yasam. Implementing light weight hash functions efficiently on graphics processing units and quantum computers for the internet of things, Indian Patent, 202341068915, Published on Oct. 10, 2023. URL <http://ipindia.nic.in/index.htm>
3. Priyadarshini Nidhan, Vijaykumar Shankar Kamble, Abhra Pratip Ray, Priyanka Torne, Krishnaiah boyana, Girdhar Gopal, Julian Benadit Pernabas, Suraj Kumar, Brijesh Sathian, and Ezekiel Jebaraj Solomon. Women's footwear with security device, U.K. Patent, 6 291 912, Published on Jul. 26, 2023. URL <https://www.registered-design.service.gov.uk/find/6291912>

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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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Research Activities Cont. . .

Conference Papers

1. Sreedhar Pulipati. 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. Sreedhar Pulipati and Prasad BBK. Smart irrigation: Revolutionizing water management in agriculture for sustainable practices and improved crop yield. In *6th International conference on ICRTAC-2023*, pages 651–656. VIT, Dec.2023. URL <https://icrtac.org>
3. G Lakshmi Vara Prasad, B Ravi Teja, Talluri Haribabu, G Naga Pavani, Dammu Karunamma, and Kolla Vivek. A hybrid time series rainfall prediction model using neural prophet and lstm. In *Proceedings of the International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023)*, pages 1582–1587, Dec.2023. ISBN 979-8-3503-0085-7. URL <https://ieeexplore.ieee.org/document/10331827>
4. Sreedhar Pulipati and Prasad BBK. A robust architecture for detecting outliers in iot data using stcpod model. In *9th International conference on ICCM-2023*, pages 651–656. VIT, Aug.2023. URL <https://iccm2023.iaasse.org>
5. Sreedhar Pulipati. Advancing multi-junction solar cells with gainnas material. In *International conference on AMCEHA-2023*. CIT, Sep.2023. URL <https://amceha2023.org>

Journal Papers

1. B. K. Prasad Banavathu and A Ananda Rao. Utilization of genetic algorithm and significance scores for feature selection in the interest of increasing accuracy of fault detection in hard disk drives for hdfs. *International Journal of Intelligent Systems and Applications in Engineering*, 11(10S):397–406, Aug. 2023. ISSN 21476799. URL <https://ijisae.org/index.php/IJISAE/article/view/3294>

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