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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. PAV Krishna Rao *Chief Editor* faculty member.
2. Venkateswara Rao N *Student Member* Y18AIT462, V semester B Sec.
3. Sai Prathap CH *Student Member* Y18AIT414, V semester A Sec.
4. Mirza Sabeer Baig *Student Member* Y17AIT455, VII semester A Sec.
5. Asif Ali Khan P *Student Member* Y17AIT466, VII semester B Sec.
6. Balaji B *Student Member* Y19AIT413, III semester A Sec.
7. Padmaja V *Student Member* Y19AIT510, III semester B Sec.

Students' Achievements

Campus Placement Details

SNo	Employer	Count	Package(lpa)
1	Accenture	9	4
2	Capgemini	1	3.98
3	CTS	3	3.3
4	Efftronics	1	3.5
5	Infosys	9	3.36
6	HCL	1	5
7	NTT Data Services	1	3
8	SDI	1	4
9	Mindtree	1	4.2
10	Mphasis	2	3.5
11	TCS	6	3.36
12	Village Minds	1	3.8
13	Wipro	4	4
14	Verzeo	3	4.5
	Total	43	-

Certifications Obtained

SNo	Certifying Authority	Count
1	IIT	26
2	MTA	153
3	Udemy	2
4	IBM	3
5	Coursera	5
6	Great Learning	2
7	GUVI	7
8	Others	2
	Total	200

Results Analysis

Batch	Semester	Pass%
2019-23	II	54.9
2018-22	IV	39.6
2017-21	VI	68
2016-20	VIII	100
2020-24	I	59.6
2019-23	III	58.3
2018-22	V	53.6
2017-21	VII	92.2

Outgoing Batch Academic Performance

Batch	Appeared	Pass %	% of students with class		
			Distinction	I	II
2017-18	61	100%	28%	46%	26%

For further details, please click here.

Bapatla Engineering College
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IT Chronicle (2020-21) | **Issue: 1 (July 2020 to June 2021)** | **Volume: 1**

Events Organized

SNo	Event Details	Gallery
1	A **One-Day Seminar** on **"Emerging Technologies in Web Application Development"** was held on **Mar. 27, 2021**. The resource person was **Mr.Venugopal Annamaneni, Senior Vice President, Engineering & Product, Captainfresh.in**. 37 students attended the program.	
2	An **Online Five-Day Workshop** on **"Internet of Things"** was held from **Nov. 08, 2020 to Nov. 12, 2020** . The resource persons were **i) Mr. Bala Krishna.N, Asst.Professor, EEE Dept.,BEC,Bapatla. ii) Mr. Sumanth.U, Developer IOT, APSSDC. iii) Mr. Srikanth.V, Asst.System Engineer, TCS. iv) Mr. Srinivasulu.T, Asst.Engineer,TCS**. 70 students & 3 faculty members attended the program.	

Faculty Achievements

Academic & Research Achievements

SNo	Achievement Type	Count
1	APSSDC Certification	6
2	Udemy Certification	3
3	Workshops / STTP / FDPs attended	59
4	Resource Person / Conference Chair / Reviewer	1
	Total	69

Awards / Rewards

SNo	Faculty Name	Award / Reward details
1	Dr. K. Srinivas Rao	Best Teacher Award

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

Journal Papers Published

1. Krishnaiah Boyana, Venkateswara Rao Gurrala, Bhaskar Rao Koutharapu, Pedapudi Ratna Prakash, and SK Mabasha. Emotion detection on live video using deep learning. *International Journal Innovative of Technology Exploring Engineering*, 11(8):412–416, Sept. 2020. ISSN 2278-3075 (Online). URL https://www.researchgate.net/publication/363654259_Emotion_Detection_on_live_video_using_Deep_Learning

2. Krishnaiah Boyana, K.Suresh Kumar, and Pedapudi Ratna Prakash. An efficient approach to control coverage overlapping and energy-aware protocol in wireless sensor networks. *Solid State Technology*, 63(6): 18795–18803, Dec 2020. URL http://solidstatetechnology.us/index.php/JSST/article/view/8063

3. Krishnaiah Boyana, Venkateswara Rao Gurrala, Bhaskar Rao Koutharapu, RatnaPrakash Pedapudi, and SK Mabasha. An efficient approach to perceive false interpretations in social networks. *International Journal of Interdisciplinary Global Studies*, 4(14):261–265, Dec. 2020. ISSN ISSN:2324-755X. URL https://scholar.google.com/citations?user=b1kwf8MAAAAJ&hl=en

4. Namburi Srinivasa Rao, Praveen Kumar Muvva, and Sai Prasanth Kanuparty. A different approach for using lzw dictionary codes to increase text compression ratio. *International Journal for Modern Trends in Science and Technology (IJMTST)*, 6(8S):13–16, Aug.2020. ISSN 2455-3778. URL https://doi.org/10.46501/IJMTSTCIET03

5. Srinivasa Rao Namburi and Muvva Praveen Kumar. Lzw text data compression hybrid algorithm. *PENSEE International Journal*, 51(2):43–46, Feb.2021. ISSN 0031-4773. URL https://penseereasearch.com

6. Praveen Kumar Muvva, Srinivasa Rao Namburi, Prasad G, and Bhaskar K. Efficient basic access control policy framework for electronic digital certificates using xacml. *Bulletin Monumental*, 22(3):178–184, March 2021. ISSN 0007-473X. URL http://bulletinmonumental.com/

7. A V Krishna Rao Padyala, P Ravi Kumar, K Srinivasa Rao, and N Srinivasa Rao. Volumetric data rendering on mobile with raycasting. *International Journal for Modern Trends in Science and Technology*, 06 (13):63–69, Aug 2020. ISSN 2455-3778. URL https://doi.org/10.46501/IJMTSTCIET13

8. Ashok Kumar Nanduri, Siva Kumar Kotamraju, G L Sravanthi, Sadhu Ratna Babu, and K.V.L Pavan Kumar. Iot based automatic damaged street light fault detection management system. *International Journal for Modern Trends in Science and Technology*, 11(8):412–416, Aug 2020. ISSN 2156-5570. URL 10.14569/IJACSA.2020.0110853

9. K.Sai Prasanth, K Srinivasa Rao, P Ravi Kumar, and N Kiran Kumar. Term weight measure based approach for fake news detection. *Bulletin Monumental*, 22, April 2021. ISSN 0007-473X. URL 10.14569/IJACSA.2020.0110853

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.