In This Issue. . .

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* Y19AIT497, V semester A Sec.
3. Pavan Krishna T *Student Member* Y19AIT498, V semester B Sec.
4. *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	ATOS Syntel	2	3.5
2	Capgemini	13	4
3	CGI	6	3.6
4	Snovasys	1	3.5
5	Country Delight	1	6
6	HCL	9	4.25
7	Hexaware	2	4
8	Infosys	9	3.36
9	Mindtree	3	4
10	Mphasis	11	4
	Total	57	-

Co-curricular Achievements

SNo	Achievement Type	No. of Prizes		
		I	II	III
1	Technical Paper Presentation (Intra College)	1	1	1
2	Technical Quiz (Intra College)	3	3	3
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	
	Total		26	

Extra-curricular Achievements

SNo	Achievement Type	No. of Prizes		
		I	II	III
1	Athletics (University Level)	-	1	-

Certifications Obtained

SNo	Certifying Authority	Count
1	IIT	27
2	Pixel Minds	1
	Total	28

Results Analysis

Batch	Semester	Pass%
2017-21	VIII	92.2
2018-22	VI	69.1
2019-23	IV	39.1
2020-24	II	55.5

For further details, please click here.

Bapatla Engineering College

(AUTONOMOUS) ESTD : 1981 EAPCET CODE : BECB

Department of Information Technology

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IT Chronicle (2021-22) | Issue: 1 (Jul. 2021 to Dec. 2021) | Volume: 2

Events Organized

SNo	Event Details	Gallery
1	A **Technical Quiz** on the occasion of the "Engineer's Day-2021" was held on **Sep. 10, 2021**. 16 students attended the event.	
3	A **Technical Seminar** on the occasion of the "Engineer's Day-2021" was held on **Sep. 08, 2021**. 7 students attended the event.	
4	A "Strategic Training Program to Equip Professional Skills (STEPS)" was held from **Jun. 21 to Jul. 17, 2021**. The resource person was from **The Talent Shine Institute**. 20 students attended the training.	
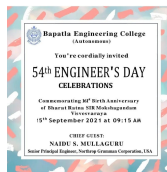
Faculty Achievements

Academic & Research Achievements

SNo	Achievement Type	Count
1	IIT	1
2	NSIC	1
3	Workshops / STTP / FDPs attended	20
4	Resource Person / Conference Chair / Reviewer	2
	Total	24

Awards / Rewards

SNo	Faculty Name	Award / Reward details
1	Mr. B. Krishnaiah	Best Research Paper Award
2	K. Sai Prasanth	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

Book Publications

1. Namburi Srinivasa Rao. *Cyber Security*. Jayalakshmi Publications, Jul.2021. ISBN 978-81-954079-9-6

Conference Publications

1. Krishnaiah Boyana;Achyuth Vasana. An efficient approach to detect mature earnings prediction using deep learning. In *2nd International conference on Emerging Trends in Science Engineering and management-2021 and IFERP*, pages 204–210. GMIT College of Engineering and Technology Karnataka, July 2021. URL https://cdn.iferp.in/conf-proceedings/2021/ICETSEM_2021.pdf

Journal Publications

1. Nalluri Sivaram Prasad and Kurra Rajasekhara Rao. Unsupervised feature selection for text clustering using differential inverse document frequency. *Indian Journal of Computer Science and Engineering*, 12 (4):790–797, 2021. ISSN 22313850. URL https://doi.org/10.21817/indjcse/2021/v12i4/211204014

2. Nalluri Sivaram Prasad and Kurra Rajasekhara Rao. Feature selection based on multi resolution analysis of text documents for effective clustering. *International Journal on Engineering Applications (IREA)*, 9 (6):361–369, Nov. 2021. ISSN 22812881. URL https://doi.org/10.15866/irea.v9i6.20782

3. E.Ramesh N.Kran Kumar B.Varaprasad Rao, Dr K.Srnvasa Rao. A hybrid group acceptance sampling plans for life tests based on half logistic distribution. *Turkish Online Journal of Qualitative Inquir*, 4(7): 1293–1301, 2021. ISSN 13 09-6591. URL https://www.tojqi.net/index.php/journal/article/view/3854/2659

4. P Ravi Kumar and Valli Kumari Vatsavayi. A novel filter based multivariate feature selection technique for text classification. *International Review on Computers and Software*, 9(10):1692–1699, Oct. 2014. ISSN 18286003. URL https://doi.org/10.15866/irecos.v9i10.3894

5. Wei Yan, S Krishna Priya, and Lei Qiao. Research on prediction of school computer network security situation based on iot. *International Journal of System Assurance Engineering and Management*, 13:488–495, Nov. 2021. ISSN s13198 021 01479 z. URL https://link.springer.com/article/10.1007/s13198-021-01479-z

6. Pujala NandaKishore, Cholla Ravindra Raman, Jetti Kumar Raja, and Reddy Veera mohana Rao. A multi approach for the analysis of feature selection using data gain and bat techniques on the anomaly detection. *Turkish Journal of Computer and Mathematics Education*, 12(11):4708–4718, May 2021. ISSN 1017762. URL https://doi.org/10.17762/turcomat.v12i11.6644

7. Cholla Ravindra Raman, Reddy Veera mohana Rao, Jetti Kumar Raja, and Pujala Nanda Kishore. Wireless sensor networks source location privacy preservation mechanism. *Annals of the Romanian Society for Cell Biology*, 25(6):1543715445, May 2021. ISSN 15836258. URL http://annalsofrscb.ro/index.php/journal/article/view/8615

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.