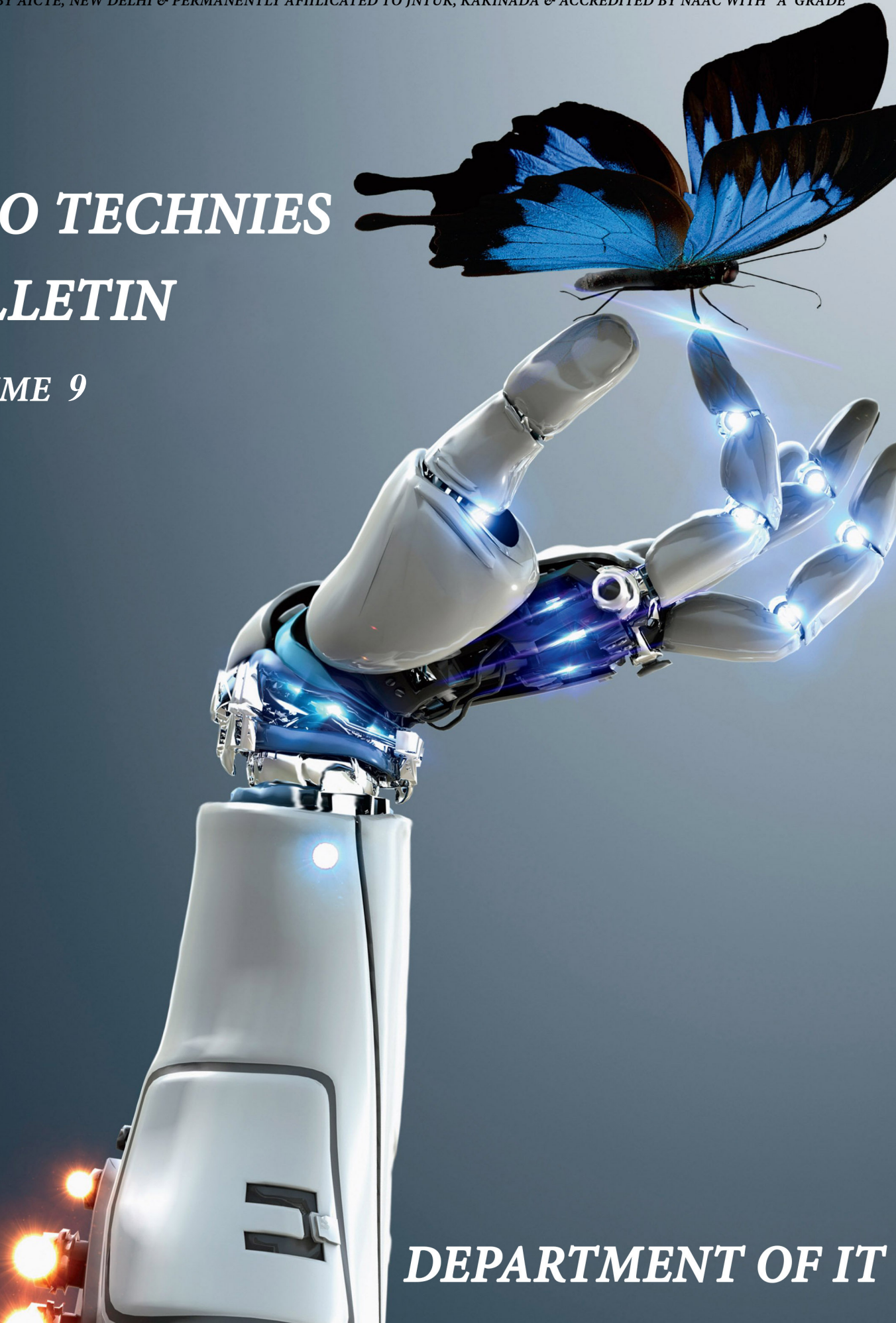




INFO TECHNIQUES BULLETIN

VOLUME 9



DEPARTMENT OF IT



Pragati Engineering College (Autonomous)

Editorial Board

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Vision of the Institute

To emerge as a Premier Institution for Technical Education in the Country through Academic Excellence and to be recognized as a Centre for Excellence in Research & Development, catering to the needs of our Country.

Mission of the Institute

To realize a strong Institution by consistently maintaining State-of-art infrastructure and building a cohesive, World Class Team and provide need based Technical Education, Research and Development through enhanced Industry Interaction.

Department Vision

To attain academic excellence in the field of Information Technology and research serving to the needs of the society through technological developments.

Department Mission

M1: To create stimulating learning ambience by providing state-of-art infrastructure and to induce innovative and problem-solving capabilities to address societal challenges.

M2: To impart quality technical education with professional team to make the graduates globally competent to IT Enabled Services.

M3: To strengthen industry-academia relationship for enhancing research capabilities.

Programme Specific Outcomes

PSO1: Develop software programs in various programming languages learnt to create the software applications to solve the real life problems of the society.

PSO2: Excel in emerging software tools and technologies.

PSO3: Effectively transform their ideas and bring consensus for the transformation of the idea into a usable software product / application.

Programme Educational Objective

PEO 1: To have a successful career in IT as researchers, entrepreneurs and IT professionals satisfying the needs of the society.

PEO 2: To motivate students towards higher education and incline them towards continuous learning process.

PEO 3: To inculcate professional ethics of IT industry and prepare them with effective soft skills essential to work in teams.

PROGRAM OUTCOMES

1. Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. 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.

11. Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. 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.

List of Faculty Members

S.No.	Name of the Staff Members	Designation
1	Dr. G R N Kumari	Professor
2	Mrs. D Sirisha	Assoc. Professor & HOD
3	Mr. P Surya Prabhakara Rao	Asst. Professor
4	Mr. V Surya Prakash	Asst. Professor
5	Mrs. G Suryakala Easwari	Asst. Professor
6	Mr. Ch Venkata Ramana	Asst. Professor
7	Mrs. P V Komali	Asst. Professor
8	Mrs. Y Sri Latha	Asst. Professor
9	Ms. B Preethi Devi	Asst. Professor
10	Mrs. S Teja Swarupa	Asst. Professor
11	Mrs. K R L Srujana	Asst. Professor
12	Mrs. N V S Sowjanya	Asst. Professor

Guest lectures/Seminars/Workshops Organized

* Entrepreneurship Development Cell organized one-day workshop on “Startups and Entrepreneurship Orientation” by Prof. N.M. Bhatta, IIM Indore on 11th March 2016. II year IT students participated in the workshop



* A training program on “Office365” was organized by Microsoft on 17th March 2016. II year IT students participated in the program.

* Microsoft Imagine Camp 2016 organized an event on 3rd March 2016 for II and III year IT students.



* Meet The Leader programme on the “Importance of Leadership and Culture at Work” was conducted by Sri Ramesh Chikkala, Senior Vice President, Walmart.



Training Programs attended by Faculty (Internal)

* Mrs. D Sirisha attended Two-day FDP on “Evolutionary Computing Techniques: Theory & MATLAB Implementation” from 23rd to 24th April 2016 organized at Pragati Engineering College.

* Two-day Faculty Development Program was conducted on “Big Image Data Processing on Hadoop Framework” from 19th to 20th March 2016.



* The following are the list of webinars conducted for faculty in the month of March.

S.No.	Event Name	Date
1	Teaching Object-Oriented Numerical Analysis	2-3-16
2	Automation of OBE process as per latest NBA guidelines for tier 2 UG/PG guidelines, using IonCUDOS platform	3-3-16
3	The effectiveness of Virtual Labs in engineering education- What do we measure	4-3-16
4	IUCEE Gurukuls for Learning and Outcomes Based Education (iGLOBE)	9-3-16
5	Meghraj- Government of India Cloud- Bedrock of Digital India	10-3-16
6	Importance of spirit of inquiry in engineering education	15-3-16
7	Sharing experience of Assessment Advisory Council at RK University	17-3-16
8	IUCEE Research Cluster Webinar: Cloud Computing	28-3-16
9	Enhancing Institutional Governance beyond the Society's Act of 1860	29-3-16
10	Repository of Instructional and Assessment Techniques for OBE-based Instructional Module Development system	30-3-16
11	A preliminary study on the relevance of OBE in engineering - A student centric approach	31-3-16

☒ The following are the list of webinars conducted for faculty in the month of February

S.No.	Event Name	Date
1	Improving the student performance using Think-Pair-Share for Operating System	2-2-16
2	Project Based Learning Method Using Simulation Tools and Hardware Exposure	5-2-16
3	Preparing Next Generation Graduates for a Global Engineering Workforce	11-2-16
4	An Innovative Multi-Disciplinary Active Learning Task Towards OBE- A Case Study	16-2-16
5	Women Engineers–Past, Present and Future Scenario	17-2-16
6	Educating IT-Engineering Theory Courses using BLOOMS Taxonomy (TC-BT) as a tool	18-2-16
7	Improving Laboratory Experiences in Engineering Education	23-2-16
8	Introduction to IoT and Cloud Computing	24-2-16
9	Engineering Women Faculty in institutes provides an inspiration to working women: A case study	25-2-16

☒ The following are the list of webinars conducted for faculty in the month of January

S.No.	Event Name	Date
1	Effective use of information and communication technology in enhancing teaching-learning outcomes	5-1-16
2	Higher Education in the United States	6-1-16
3	Technology aided and Practical Oriented Innovative Trends in Engineering Education	7-1-16
4	Clean Village and Engineering Education; Milind Kulkarni, ITM Group	19-1-16
5	Pig Hadoop and Hive Hadoop	20-1-16
6	Attainment of "Project Management and Finance" GA for PG Program in Engineering through Course Project	27-1-16
7	Enhancing Student Engagement in a Blended Resident and Online Course Using Clickers and Embedded Questions	28-1-16
8	"MongoDB" a NoSQL Database	29-1-16

* The following are the list of NPTEL Online Courses enrolled by the faculty:

S.No.	Faculty Name	Designation	Course Name
1	Mr. P.Surya Prabhakara Rao	Asst. Prof	Discrete Mathematics
2	Mrs. Y.Srilatha	Asst. Prof	Introduction to Research
3	Mr. Ch.V.Ramana	Asst. Prof	Introduction to Research
4	Ms. B.Preethi Devi	Asst. Prof	Discrete Mathematics
5	Mrs. P.V.Komali	Asst. Prof	Information Security-II & Programming Data Structures & Algorithms

* Ms. D S L Harika (14A31A1207) has enrolled and registered for the NPTEL Online Certification Course on Programming Data Structures and Algorithms.

* The following are the list of students who have been issued Merit Certificates in Poster Presentation on Significance of Research and Development in Global Recognition conducted by R&D Division in "Meet the Scientist" Program on 27th February 2016 by Dr. A.V.R. Reddy.

S.No.	Roll No	Name of the Participant	Year
1	14A31A1205	Ch. B.Aparajitha	II Year
2	14A31A1207	D S L Haritha	II Year
3	14A31A1216	N Mounika	II Year
4	14A31A1208	E Bhavana	II Year
5	14A31A1221	S Prathyusha	II Year



Academic Toppers

* The following are the academic toppers for II Year I Semester and overall pass percentage is 47.2%

S.No.	Roll No	Name	Branch	Year / Sem	%
1	12A31A1221	S.Prathyusha	IT	II/I	82.96%
2	12A31A1216	N.Mounica	IT	II/I	80.51%

* The following are the academic toppers for IV Year I Semester and the pass percentage is 64%.

S.No.	Roll No.	Name	Branch	Year/Sem	%
1	12A31A1212	N S Prahelika	IT	IV/I	75.86%
2	12A31A1218	T Vasavi	IT	IV/I	75.2%

* The following are the list of students who have been awarded as the academic toppers for I year II Semester on 26th January 2016.

S.No.	Roll No.	Name	Branch	Year/ Sem
1	14A31A1201	Anappindi Naga Mani	IT	I-II
2	14A31A1221	Samatham Prathyusha	IT	I-II



Extra Curricular Activities

* Women Empowerment & Grievance Cell organized “International Women’s Day” on 8th March 2016 and the entire Women faculty including Teaching, Non-Teaching and Girl Representatives of all the years have participated in this event.



* NSS and SC & ST Cell organized “Ambedkar Jayanthi” on the occasion of 125th Birthday of Dr B.R. Ambedkar on 14th April 2016 and all the faculty have participated in this event.



* Training and Placement Cell organized “Placement Day” on 28th May 2016 and Mr. Karthik A Krishna, Ms. Puja Mantr, HR Managers, TCS , Hyderabad attended this event and presented mementos to the selected students.



* “World Environment Day” was celebrated on 5th June 2016.



* “International Yoga Day” was celebrated on 21st June 2016 in association with National Cadet Corps (NCC) of the college.

EPROZYNE-2K16(A NATIONAL LEVEL TECHNICAL SYMPOSIUM)

* A National level technical symposium called “EPROZYNE -2K16” under “STRIDES” was conducted by CSE & IT Departments on 6th January 2016. The main aim of this Symposium is to highlight the current status and emerging trends in technology in various topics towards the betterment of R&D and Industrial needs.

* The following events were conducted:

- * PAPER PRESENTATION
- * POSTER PRESENTATION
- * APP & IDEA EXPO
- * QUIZ



సమావేశంలో మాట్లాడుతున్న డాక్టర్ మూర్తి

‘ప్రగతి’లో ఇప్రోజిన్-2కె16

జగ్గంపేట/గండేపల్లి: గండేపల్లి మండలం సూరం పాలెంలో ప్రగతి ఇంజనీరింగ్ కళాశాలలో బుధవారం జాతీయ స్థాయి సాంకేతిక సదస్సు స్టైడ్స్ మూడవ రోజు కార్యక్రమంలో భాగంగా కళాశాల సీఎస్సీ, ఐటీ విభాగాల వారు ఇప్రోజిన్-2కె16 పేరిట జాతీయస్థాయి సాంకేతిక సదస్సు ప్రారంభించారు. కార్యక్రమంలో జేఎన్టీయూకే ప్రొఫెసర్ డాక్టర్ జెవిఆర్ మూర్తి ముఖ్యఅతిథిగా హాజరవ్వగా డాక్టర్ ఎన్.లీలావతి, ఎం.వి.రాజేష్, కళాశాల చైర్మన్ డాక్టర్ పరుచూరి కృష్ణారావు, ప్రీన్సిపాల్ డాక్టర్ ఎన్.శంభుప్రసాద్, డైరెక్టర్లు తదితరులు పాల్గొన్నారు. కార్యక్రమంలో 300 మంది విద్యార్థులు వివిధ కళాశాలల నుంచి హాజరయ్యారు. పేపర్, పోస్టర్ ప్రెజెంటేషన్, క్వీజ్ కాంపిటీషన్, మాప్ అండ్ ఇండియా ప్రెజెంటేషన్స్ జరిగాయి. కళాశాల ఎన్సీసీ విభాగం స్వచ్ఛభారత్ కార్యక్రమం ఆవశ్యకతను వివరించింది. డాక్టర్ మూర్తి మాట్లాడుతూ మేక్ ఇన్ ఇండియా, డిజిటల్ ఇండియాలో ప్రతీ విద్యార్థి భాగస్వాములు కావాలని ఆకాంక్షించారు. కార్యక్రమంలో వై.మానసకుమార్ యోగి, కె.సురేంద్ర, ఎ.కృష్ణమోహన్, డాక్టర్ ఎఎస్ఎస్ చక్రవర్తి, ఎం.వి.హరనాదబాబు, డైరెక్టర్ డాక్టర్ జి.రఘురాం, వైస్ ప్రెసిడెంట్ ఎం.సతీష్, వైస్ ప్రీన్సిపాల్ డాక్టర్ కె.సత్యనారాయణ, కోఆర్డినేటర్ ప్రొఫెసర్ ఎస్.వి.రమణమూర్తి తదితరులు పాల్గొన్నారు.