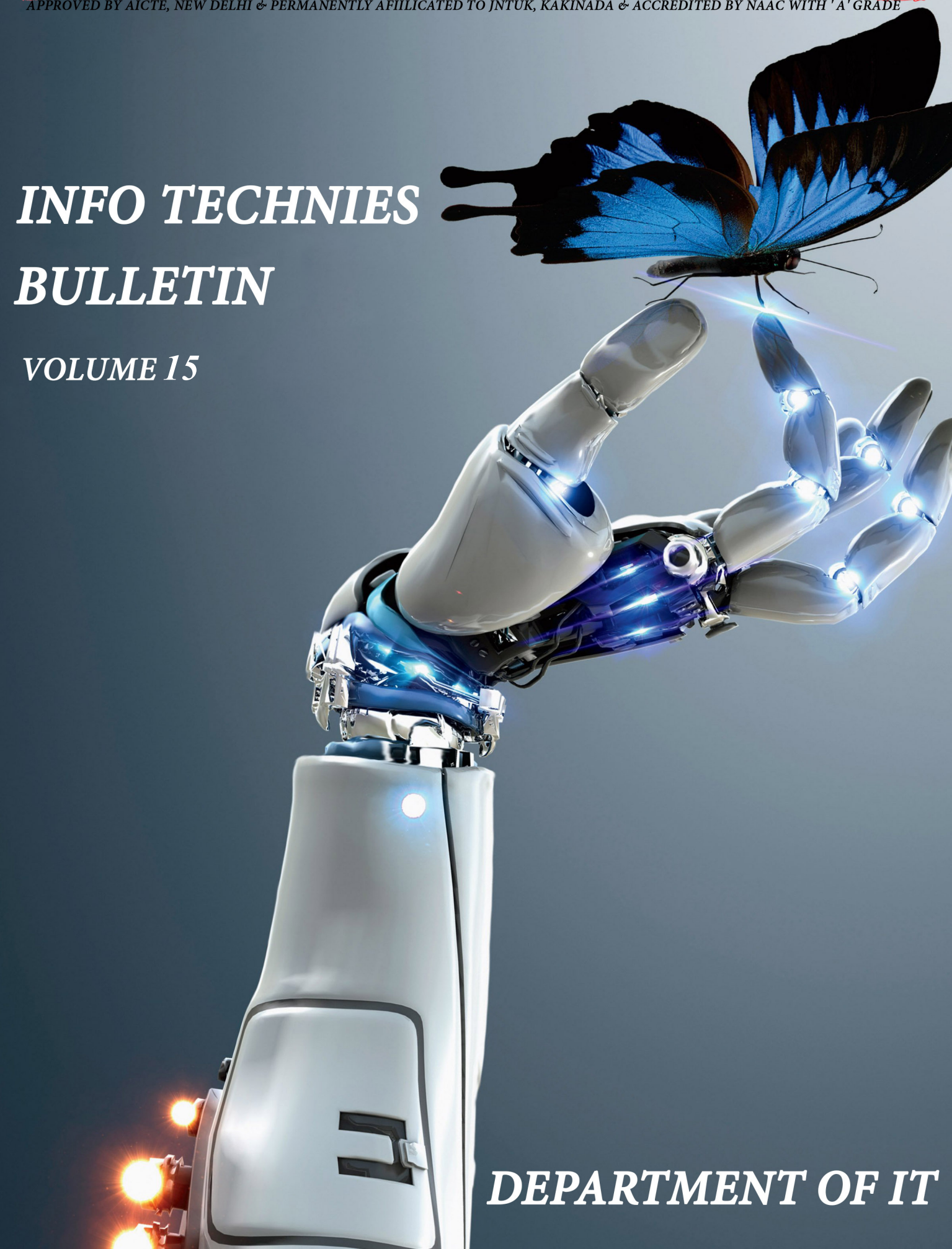
PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)
APPROVED BY AICTE, NEW DELHI & PERMANENTLY AFIILICATED TO JNTUK, KAKINADA & ACCREDITED BY NAAC WITH 'A' GRADE

INFO TECHNIES BULLETIN

VOLUME 15



DEPARTMENT OF IT

Pragati Engineering College
(Autonomous)

Info Techies Bulletin

Biannual Newsletter from Department of IT

Volume - 15, June. 2019

Editorial Board

Faculty members

Mrs. N V S Sowjanya – Convener
Mrs. Y Srilatha – Member
Ms. B Preethi Devi – Member

Student members

Ms. V Vanitha (III B.Tech)
Mr. G R K Ajay (III B.Tech)

Vision of the Institute

To emerge as a Premier Institution for Technical Education in the Country through Aca demic Excellence and to be recognized as a Centre for Excellence in Research & Devel opment, 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, Re search and Development through enhanced Industry Interaction.

Department Vision

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

Department Mission

M1: To create stimulating learning ambiance 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 appropriateconsideration 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 isocietal 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 multid isciplinary 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

S.No.	Name of the Staff Members	Designation
1	Mrs. D Sirisha	Assoc. Professor & HOD
2	Dr. S Suresh	Assoc. Professor
3	Mr. P Surya Prabhakara Rao	Asst. Professor
4	Mr. V Surya Prakash	Asst. Professor
5	Mrs. G Suryakala Eswari	Asst. Professor
6	Mr. Ch Venkata Ramana	Asst. Professor
7	Mrs. P V Komali	Asst. Professor
8	Mrs. Y Srilatha	Asst. Professor
9	Ms. B Preethi Devi	Asst. Professor
10	Mrs. N V S Sowjanya	Asst. Professor
11	Mr. A Satyam	Asst. Professor
12	Mrs. T Ganga Bhavani	Asst. Professor

IMPORTANT NEWS

* 20 students from IT department are selected in various companies during the placements conducted in Pragati Engineering College.

Guest lectures/Seminars/Workshops Organized

* 13 students from III year and 6 students of II year IT participated in a Guest Lecture conducted by Mr. Lloyd Doakland, Head HR, Ivy CompTech on 2nd March 2019.

* 26 Students from II year IT participated in a Six-day workshop on “Engineering Orientation Program” in association with APSSDC from 25th February to 2nd March 2019.

* 20 Students from III year IT participated ina Two-day workshop on “Programming Boot Camp on Python & Java” by T Seshagiri, Senior Architect, TCS, Hyderabad from 12th to 13th February 2019.

* 18 students from II year and 10 students of III year IT participated in a Two-day workshop on “Progressive Web Application Phase - 1 & 2” in association with APSSDC from 11th to 16th February 2019.

* 38 students from II year IT participated in One-day workshop on “World Youth Change Makers” organized on 5th February 2019.
* 19 students from II year and 5 students of III year IT participated in a Six-day workshop on “Progressive Web Application Phase- 1 & 2” in association with APSSDC from 4th to 9th February 2019.
* 18 students of III year IT participated in a Three-day workshop on “Google Android Developer Fundamental Phase-2” in association with APSSDC from 28th to 30th January 2019.

Training Programs attended by Faculty (Internal)

* The following faculty has successfully completed “PYTHON” test organized at Pragati Engineering College conducted by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt., of India on 26th March 2019.

S.No.	Name of the Faculty	Designation
1	Mr. Ch Venkata Ramana	Asst. Professor
2	Mrs. Y Srilatha	Asst. Professor
3	Mrs. N V S Sowjanya	Asst. Professor
4	Mr. Chintha Venkata Ramana	Asst. Professor

Faculty Achievements

* The following faculty received NPTEL Certificates for successfully completing NPTEL online certification course during the period February-April 2019.

S.No.	Name	Designation	Course	Result
1	Mr. Ch Venkata Ramana	Asst. Professor	User Interface Design – IIT Roorkee	ELITE + SILVER
			Cloud Computing – IIT Kharagpur	ELITE + SILVER
2	Mr. P Surya Prabhakara Rao	Asst. Professor	Programming in Java	ELITE + GOLD
3	Mrs. Y SriLatha	Asst. Professor	Big Data Computing - IIT Madras	ELITE + SILVER + Topper of 2%

4	Ms. B. Preethi Devi	Asst. Professor	Problem Solving through Programming in C - IIT Kharagpur	Successful Completion
5	Mrs. N V S Sowjanya	Asst. Professor	Problem Solving through Programming in C - IIT Kharagpur	ELITE

* The following are the research papers published by the faculty:

S. No	Name of the faculty	Title	Journal Name	Month and Year of Publication / Presentation	Indexing
1	Dr. S Suresh	Automatic Control System for Robotic Car using Internet of Things	International Journal of Management, Technology And Engineering (IJMTE)	June 2019	UGC Approved
2	Mrs. D Sirisha	Sales Prediction Based on E-Commerce Data using Machine Learning Algorithms	Journal of Applied Science and Computations (JASC)	May 2019	UGC Approved
3	Mrs. G Suryakala Eswari	Classification of Customer to Upgrade Profits in Retail Market with Deep Learning Methodology	International Journal of Computer Sciences and Engineering (IJCSE)	May 2019	UGC Approved
4	Mrs. Y Srilatha Mrs. N V S Sowjanya Ms. B Preethi Devi	A Self-Regulating Street Lightning Technique Using IoT	Journal of Emerging Technologies and Innovative Research (JETIR)	April 2019	UGC Approved
5	Dr. S Suresh	Uninterrupted Top-High Utility Observing On File Streams	Journal of Applied Science and Computations (JASC)	April 2019	UGC Approved
6	Mrs. D Sirisha Mr. Ch Venkata Ramana Mr. P Surya Prabhakara Rao	Brain to Brain Communication: A Study on Future Technology	Journal of Emerging Technologies and Innovative Research (JETIR)	March 2019	UGC Approved
7	Ms. B Preethi Devi Mrs. N V S Sowjanya Mrs. Y Srilatha	Ddos Detection In Semi-Supervised Learning Approach	International Journal of Research (IJR)	March 2019	UGC Approved
8	Mrs. G Suryakala Eswari Mr. P Surya Prabhakara Rao	Translation and Transliteration of words	International Journal of Scientific Research and Review (IJSRR)	January 2019	UGC Approved

STUDENT ACHIEVEMENTS

* Ms. Sirigina Mounika of III year IT won 2nd Prize in Kabbadi competition organized in NCC Camp on 18th May 2019.
* Ms. Sirigina Mounika of III year IT won 1st Prize in Athletics 400 meters competition organized in NCC Camp on 17th May 2019.
* Ms. Sirigina Mounika of III year IT won 2nd Prize in Drill organized in NCC Camp on 16th May 2019.
* Ms. P Tejaswi of II year IT won 2nd Prize in Paper Presentation competition organized by BVCE, Odalarevu on 16th March 2019.
* Ms. Sirigina Mounika of III year IT won 2nd Prize in Paper Presentation competition organized by Mahatma Gandhi Institute of Technolgy, Hyderabad on 14th March 2019.
* Ms. Sirigina Mounika of III year IT won 2nd Prize in Athletics 100 meters competition held at Godavari Institute of Engineering and Technology on 1st March 2019.
* Ms. V Teja Sruthi of II year IT secured 2nd Prize in Paper Presentation competition held at GIET Institutions, Rajahmundy from 21st to 22nd February 2019.
* Mr. K Sunil Kumar of II year IT published paper on "Brain to Brain Communication: A Study on Future Technology" in Journal of Emerging Technologies and Innovative Research (JETIR), UGC approved Journal.

* Ms. Sirigina Mounika of III year IT won GOLD in 400 meters Running competition organized by PRAGATI SPORTS CLUB on the occasion of SPORTS DAY 2K19.

* Ms. Sirigina Mounica of III year IT won Silver in Relay Running competition organized by PRAGATI SPORTS CLUB on the occasion of SPORTS DAY 2K19.

* Ms. Sirigina Mounika of III year IT won Bronze in Javelin Throw competition organized by PRAGATI SPORTS CLUB on the occasion of SPORTS DAY 2K19.

* Ms. Sirigina Mounika of III year IT won GOLD in 100 meters Running competition organized by PRAGATI SPORTS CLUB on the occasion of SPORTS DAY 2K19.

STUDENT PLACEMENTS

* 20 students from IT have selected in various companies during the placements conducted in Pragati Engineering College.

S.No.	Student Name	Roll No.	Company Name
1	Balusu Padmavathi	15A31A1204	SYNTEL (3 LAKHS PER ANNUM)
2	Sathi Sushmitha	15A31A1227	
3	B Satya Hanuman	15A31A1235	
4	N Swapna	15A31A1220	DBS (7 LAKHS PER ANNUM)
5	Adusumilli Rashmika	15A31A1201	TELEPERFORMANCE (2.4 LAKHS PER ANNUM)
6	Balusu Padmavathi	15A31A1204	
7	Chinta Naga Venkata Sri Lavanya	15A31A1208	
8	Gutam Rachel Karen	15A31A1213	
9	Nallamilli Sri Devi	15A31A1219	IBeON TECHNOLOGIES (2.4 LAKHS PER ANNUM)
10	Badam Harshitha	15A31A1203	HINDUJA GLOBAL SOLUTIONS (1.73 LAKHS PER ANNUM)
11	Daram Pujitha	15A31A1210	
12	Grandhi Annapurna	15A31A1212	
13	Chinchinada Saketh	15A31A1236	
14	Choday Arun Chowdary	15A31A1237	
15	Kolnati Sai Sri Harsha	15A31A1243	
16	Krovvidi S S Sameendra	15A31A1244	

17	Marisetti S S M V Naveen Kumar	15A31A1246	
18	Naraharisetti V V Satya Saran Karthik	15A31A1249	
19	Pasumarthi Sanjesh	15A31A1250	
20	Sattineni Sai Vineeth Kumar	15A31A1254	

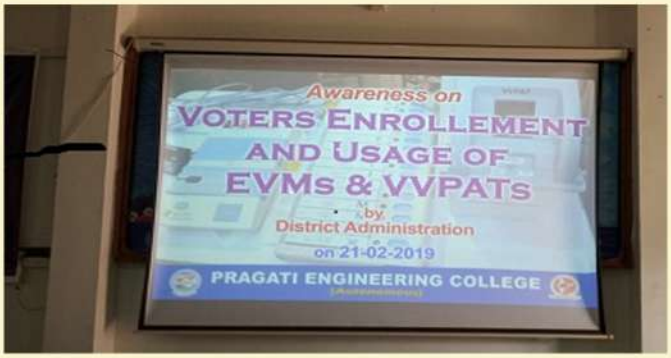
Student Activities

"Project Expo" was conducted in IT Department on 29th March 2019 and all III Year IT students have participated in this event.

* Department of IT in association with NSS Unit and Rotaract Club of Pragati Engineering College organized "World Kidney Day" and students from II Year IT participated in various events like Technical Quiz and Elocution. Dr. Sarojini Devi, Nephrologist hosted as Chief Guest on this event on 14th March 2019.

* "National Safety Day" was conducted by RAK Ceramics Pvt. Ltd. and students from II Year IT participated in various events like Slogan Writing, Essay Writing and Quiz conducted by them on 8th March 2019.
* Department of IT organized "World Peace and Understanding Day" under NSS on 23rd February 2019 and students from II & III year have participated.

* Students from II & III year have participated in an awareness program on “Voters Enrollment and Usage of EVMs & VVPATs” was conducted by Vanajakshi, MRO, Gandepalle in Pragati Engineering College on 21st February 2019.



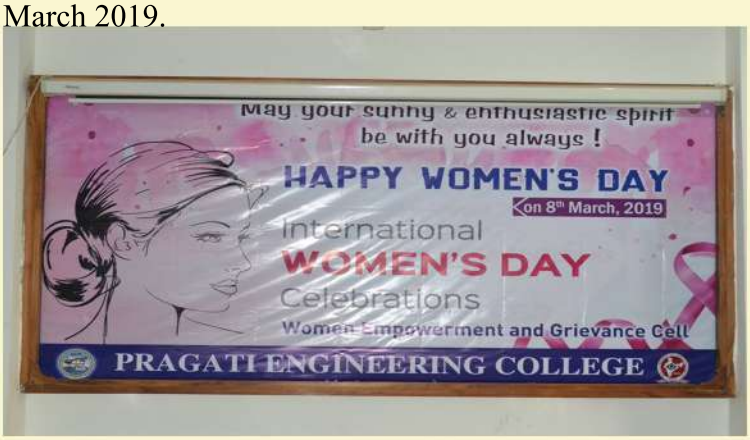
* Departments of CSE & IT organized “Data Protection Day” on 28th January 2019 and students from II & III year have participated.

Extra Curricular Activities

* “Farewell Day” was celebrated by 2016 batch bidding farewell to 2015 batch on 19th March 2019.

* Placement Day was celebrated on 16th March 2019. All the IV year students who have placed in campus placements have participated in this event along with their parents and Ms. Naina Jaiswal, International Table Tennis Player and Youngest Post Graduate in Asia hosted as Chief Guest.

* Women Empowerment and Grievance cell of Pragati Engineering College celebrated “International Women’s Day”. Girl students from II & III Year and all Women Faculty from IT Department have participated in this event on 8th March 2019.



* Students from II, III & IV year IT have participated in “REPUBLIC DAY” celebrations conducted on 26th January 2019.

* Students from II & III IT are students participated in a Cultural Fest “PRISM” under “Pragati Cultural Club” conducted on 12th Jan 2018.

* All the students from IT department have participated in “Traditional Day” celebrated on 11th January 2019.

Academic Toppers

* The following are the academic toppers for II Year I Semester and overall pass percentage is 46.43%

S.No.	Roll No/	Name	Branch	Year / Sem	SGPA
1	17A31A1249	Kalagarla Sunil Kumar	IT	II/I	9.18
2	17A31A1228	Preksha Jain	IT	II/I	9.18

* The following are the academic toppers for III Year I Semester and the pass percentage is 77.59%.

S.No.	Roll No/	Name	Branch	Year / Sem	SGPA
1	16A31A1202	Aggitakalya Manasa	IT	III/I	9.71
2	16A31A1238	Velumuri Amrutha	IT	III/I	9.57

* The following are the academic toppers for IV Year I Semester and the pass percentage is 56.9%.

S.No.	Roll No	Name	Branch	Year / Sem	%
1	15A31A1231	Tadala Durga Harika	IT	IV/I	86.00 %
2	15A31A1202	Anusuri Bala Priyanka	IT	IV/I	81.63 %

*The academic toppers of II, III and IV year have been awarded with 1st and 2nd prizes on 26th January 2019.