



# **INFO TECHNIQUES BULLETIN**

**VOLUME 12**



**DEPARTMENT OF IT**



# Info Techies Bulletin

Biannual Newsletter from Department of IT

Volume - 12, Dec. 2017

## Pragati Engineering College (Autonomous)

### Editorial Board

### Faculty members

Mr. P Surya Prabhakar Rao - Convener  
Mrs. Y Srilatha - Member  
Mrs. P V Komali - Member

### Student members

Ms. N Swapna (III B.Tech)  
Ms. K Shrivika (III B.Tech)

### 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. N Supriya	Professor
2	Mrs. D Sirisha	Assoc. Professor & HOD
3	Mr. P Surya Prabhakara Rao	Asst. Professor
4	Mr. V Surya Prakash	Asst. Professor
5	Mr. Ch Venkata Ramana	Asst. Professor
6	Mrs. G Suryakala Easwari	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

\* A guest lecture on “HIGH PERFORMANCE COMPUTING & BIG DATA” by Dr. V C V Rao, Associate Director, HPC, CDAC, Pune was conducted on 25th September 2017 and 38 students from II & III year of IT have participated.



\* A 3-day workshop on “ANDROID APPLICATION DEVELOPMENT” by Mr. Ganesh Nag Doddi was conducted from 30th August to 1st September 2017 and 46 students from III year IT participated.



\* A guest lecture on “e-GOVERNANCE” by Mr. Surendra Kapoor, Fellow of CSI, Chairman SIG e-Gov and Senior Advisor to Research Center for e-Governance (RCEG), IIIT Hyderabad was conducted on 1st August 2017 and 48 students from II & III year IT have participated.



\* A guest lecture on “Data Base Administration Using SQL Server” by Mr. K Sri Charan, Ispace Global Services Pvt. Ltd. was conducted on 1st July 2017 and 26 students from IV year IT have participated.

\* A guest lecture on “Fundamental of Data Base Design Using SQL Server” by Mr. K Sri Charan, Ispace Global Services Pvt. Ltd. was conducted on 1st July 2017 and 35 students from III year have participated.

### Training Programs attended by Faculty (Internal)

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

S.No.	Faculty Name	Designation	Course Name
1	Mr. P. Surya Prabhakar Rao	Asst. Prof	Fundamentals of Database Systems
2	Mrs. G. Surya Kala Eswari	Asst. Prof	
3	Mrs. Y.Sri Latha	Asst. Prof	Introduction to Operating Systems
4	Mrs. N V S Sowjanya	Asst. Prof	

### Training Programs attended by Faculty (Outside)

\* The following are the Faculty Development Programs (FDPs)/Workshops attended by the faculty:

S.No.	Name of the faculty	Designation	Workshop Name	Place	Date
1	Ms. B Preethi Devi	Asst. Professor	Machine Intelligence and Soft Computing	Andhra University	10 <sup>th</sup> to 15 <sup>th</sup> July 2017
2	Mrs. D Sirisha	Assoc. Professor	Faculty Development Program(FDP) in Entrepreneurship Development	Pragati Engineering College	7 <sup>th</sup> to 19 <sup>th</sup> Aug. 2017
3	Ms. B Preethi Devi	Asst. Professor			
4	Mr. P Surya Prabhakara Rao	Asst. Professor			
5	Mr. V Surya Prakash	Asst. Professor	TCS Internship Projects	JNTUK	8 <sup>th</sup> to 10 <sup>th</sup> Aug. 2017
6	Mr. Ch Venkata Ramana	Asst. Professor	APSCHE-British Council English Communication Skill Project, Teacher Training Programme	Pragati Engineering College	2 <sup>nd</sup> to 10 <sup>th</sup> Sept. 2017
7	Mrs. Y Srilatha	Asst. Professor	Big Image Data Processing using Machine Learning Algorithms	NIT, Warangal	11 <sup>th</sup> to 16 <sup>th</sup> Dec. 2017
8	Mrs. G Suryakala Eswari	Asst. Professor	Internet of Things and Advanced Analytics	JNTUK, Kakinada	1 <sup>st</sup> to 5 <sup>th</sup> Dec. 2017
9	Mrs. N V S Sowjanya	Asst. Professor			

## Faculty Achievements

\* NPTEL, IIT Madras has awarded an Appreciation Certificate to Mrs. G Surya Kala Eswari, for her instrumental role as MENTOR for the NPTEL Online Certification Course on “Fundamentals of Database Systems” for the period July-December 2017.

\* NPTEL, IIT Madras has awarded an Appreciation Certificate to Mr. P.Surya Prabhakar Rao, for his instrumental role as TOP PERFORMING MENTOR for the NPTEL Online Certification Course on “Fundamentals of Database Systems” for the period July- December 2017.

\* A total of 3 Number of faculty received NPTEL Certificates for successfully completing NPTEL online certification course during July- October 2017.

S.No.	Name	Designation	Certification Name-Organization	Result
1	Mr. P Surya Prabhakara Rao	Asst. Professor	Fundamentals of Database Systems - IIT Kanpur	ELITE
2	Mrs. G. Suryakala Eswari	Asst. Professor		ELITE
3	Mrs. Y. Srilatha	Asst. Professor	Introduction to Operating Systems- IIT Madras	ELITE+TOPPER of 5%

\* 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	Mrs. D Sirisha	A Hybrid Methodology for Multi Owner Information Sharing in Untrusted Cloud Using Secure Mona Convention	In the Proceedings of 2nd International Conference on Micro-Electronics, Electromagnetics and Telecommunications	September 2017	LNEE Springer, SCOPUS
2	Mrs. D Sirisha	Towards efficient completion time bounds and resource provisioning for scheduling workflows on heterogeneous computing environments	International Journal of Grid and High Performance Computing	July 2017	SCOPUS, WoS, ESCI, ACM

## STUDENT ACHIEVEMENTS

\* 44 students from IT received NPTEL certificates for successfully completing NPTEL online certification course during July-September 2017.

S.No	Name	Roll No	Course Title	Score	Result Status
1	Motipalli Lakshmi Sri Lalitha	16A31A1222	Programming, data structures and algorithms using python	59	Successfully completed
2	G.Sai Sravani Sreeja	16A31A1214	Programming, data structures and algorithms using python	56	Successfully completed
3	Duvvuri Naga Pratyusha	16A31A1213	Programming, data structures and algorithms using python	63	Elite
4	Yeluri Jahnavi	16A31A1240	Programming, data structures and algorithms using python	71	Elite
5	Velumuri Amrutha	16A31A1238	Programming, data structures and algorithms using python	65	Elite

6	A Naga Krishnaveni Varaha Lakshmi	16A31A1201	Programming, data structures and algorithms using python	70	Elite
7	V Kumara Veera Venkata Satya Kanth	16A31A1260	Programming, data structures and algorithms using python	61	Elite
8	Damalanka Satya Kalyani	16A31A1211	Programming, data structures and algorithms using python	64	Elite
9	Pantham Kavya Sree	16A31A1226	Programming, data structures and algorithms using python	63	Elite
10	Kilambi Vaishnavi Krishna	15A31A1215	Programming, data structures and algorithms using python	76	Elite
11	Vuppalapati Vanitha	16A31A1239	Programming, data structures and algorithms using python	64	Elite
12	Vasamsetti Dharani	16A31A1237	Programming, data structures and algorithms using python	58	Successfully completed
13	Devalla Bhuvaneshwari	16A31A1212	Programming, data structures and algorithms using python	56	Successfully completed
14	Dunna Sree Vineeth Venkatesh	16A31A1243	Programming, data structures and algorithms using python	58	Successfully completed
15	Ch Pravallika	16A31A1210	Programming, data structures and algorithms using python	71	Elite
16	Karri Harika Rani	16A31A1216	Programming, data structures and algorithms using python	57	Successfully completed
17	Nandam Sai Sri Harsha	16A31A1254	Programming, data structures and algorithms using python	57	Successfully completed
18	Sanagavarapu Kanaka Sai Poomima	16A31A1230	Programming, data structures and algorithms using python	63	Elite
19	Aggitakalya Manasa	16A31A1202	Programming, data structures and algorithms using python	76	Elite
20	Balabhadruni Pranitha	16A31A1204	Programming, data structures and algorithms using python	61	Elite
21	Grandhi . Ramakrishna Ajay	16A31A1246	Programming, data structures and algorithms using python	69	Elite
22	Kanda Satya Sai Venkata Yashwanth	16A31A1250	Programming, data structures and algorithms using python	59	Successfully completed
23	Rasi Deepika	16A31A1203	Programming, data structures and algorithms using python	65	Elite
24	Khandavilli Nandini Devi	16A31A1217	Programming, data structures and algorithms using python	64	Elite
25	Alekhya Puranam	16A31A1227	Programming, data structures and algorithms using python	40	Successfully completed
26	Kesepattapu Nikhil	16A31A1252	Programming, data structures and algorithms using python	66	Elite
27	Mootina Bhargavi Amulya	16A31A1221	Programming, data structures and algorithms using python	71	Elite
28	Vydehi Sunku	15A31A1229	Programming, data structures and algorithms using python	76	Elite
29	Nalam Aravinda Kumar	15A31A1248	Introduction to operating systems	52	Successfully completed
30	Mangala Venkatesh	15A31A1245	Introduction to operating systems	50	Successfully completed

31	P Siva Naga Sai	15A31A1253	Introduction to operating systems	55	Successfully completed
32	B.Padmavathi	15A31A1204	Fundamentals of Database Systems	50	Successfully completed
33	Durga Sai Sushma Ch	15A31A1209	Fundamentals of Database Systems	60	Elite
34	Seela Sreelekha	15A31A1228	Fundamentals of Database Systems	44	Successfully completed
35	Suravarapu Alekhya	15A31A1230	Fundamentals of Database Systems	52	Successfully completed
36	Padala Sripriya	15A31A1222	Fundamentals of Database Systems	63	Elite
37	Nalluri Swapna	15A31A1220	Fundamentals of Database Systems	66	Elite
38	Risha Jain	15A31A1226	Fundamentals of Database Systems	47	Successfully completed
39	Rao Dharavi	15A31A1225	Fundamentals of Database Systems	53	Successfully completed
40	Sathi Susmitha	15A31A1227	Fundamentals of Database Systems	60	Elite
41	Parimala Aditya Arava	15A31A1223	Fundamentals of Database Systems	79	Elite + Topper of 5%
42	Kodukula Shravika	15A31A1216	Fundamentals of Database Systems	55	Successfully completed
43	Katari Veera Venkata Rao	15A31A1241	Introduction to Programming in C	58	Successfully completed
44	Bondada Satya Hanuman	15A31A1235	Introduction to Programming in C	62	Elite









**Extra Curricular Activities**

\* Farewell Day was celebrated by 2014 batch bidding farewell to 2013 batch on 5th May 2017.



\* Fresher's Day was celebrated by 2016 batch welcoming 2017 batch on 26th August 2017.



\* Students of II & III year participated in "BLOOD DONATION CAMP" organized by College NSS Wing on 1st September 2017.



\* Teacher's day was celebrated on 5th September 2017.

\* On the birth anniversary of Sir Mokshagundam Visvesvaraya, Engineer's Day is observed on 15th September. On this occasion Competitions have been conducted in the department and students from II & III Year have participated.



- \* Students of II & III year have conducted “ODF survey on identification of houses in Ramesampeta Village” under Surampalem Panchayathi organized by College NSS Wing on 11th November 2017.
- \* Students of II & III year have participated in “COMUNAL HARMONY WEEK” organized by College NSS Wing from 19th - 25th November 2017.
- \* Students of II & III year have participated in “CONSTITUTION DAY” organized by College NSS Wing on 26th November 2017.

## Academic Toppers

\* The following are the list of students who have been awarded as the academic toppers for II Year I Semester on 15th August 2016.

\* The following are the academic toppers for I Year II Semester and overall pass percentage is 48.3%

S.NO.	ROLL NO.	NAME	BRANCH	YEAR & SEM	SGPA
1	16A31A1202	A Manasa	IT	I-II	9.63
2	16A31A1238	V Amrutha	IT	I-II	9.5

\* The following are the academic toppers for II Year II Semester and the pass percentage is 54.7 %.

S.NO.	ROLL NO.	NAME	BRANCH	YEAR & SEM	%
1	15A31A1227	S Sushmitha	IT	II-II	83.45 %
2	15A31A1 220	N Swapna	IT	II-II	82.34 %

\* The following are the academic toppers for III Year II Semester and the pass percentage is 47.2%.

S.NO.	ROLL NO.	NAME	BRANCH	YEAR & SEM	%
1	14A31A1235	R V V S Vinay	IT	IV-II	78.79%
2	12A31A12 21	S Prathysha	IT	IV-II	77.21%

