Info Techies Bulletin

Biannual Newsletter for Department of Information Technology

PRAGATI ENGINEERING COLLEGE

Volume -21- June 2022

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 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.

PSOs for B.Tech. IT Program

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.

PEOs for B.Tech. IT Program

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

PEO 2: Students will exhibit inclination towards higher education and continuous learning process.

PEO 3: Students will practice ethical behavior in IT industry with effective soft skills essential to work in teams.

Program Outcomes (POs)

Engineering Graduates will be able to:

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 Faculty	Qualification	Designation
1	Dr. D.Sirisha	Ph.D	Professor & HOD
2	Mrs. P.Vasavika komali	M.Tech.	Asst. Professor
3	Mrs. B.Preethi Devi	M.Tech.	Asst. Professor
4	Mrs. N.Vani Santhoshi Sowjanya	M.Tech.	Asst. Professor
5	Mr. Ch.Venkata Ramana	M.Tech.	Asst. Professor
6	Mrs. T.Ganga Bhavani	M.Tech.	Asst. Professor
7	Mr. G.Satya Mohan Chowdary	M.Tech.	Asst. Professor
8	Mrs. Ch.Sujana	M.Tech.	Asst. Professor
9	Mr. K.V.V.S.Trinadh Naidu	M.Tech.	Asst. Professor
10	Mrs. Ch.Naga Lakshmi Geetha	M.Tech.	Asst. Professor
11	Mrs. D.Bhavya Reddy	M.Tech.	Asst. Professor
12	Mrs. P S H R Padmaja	M.Tech.	Asst. Professor
13	Mrs. T.Kavitha	M.Tech.	Asst. Professor
14	Mrs. A.Manga Devi	M.Tech.	Asst. Professor
15	Mr. S Srinivas (Visiting Faculty from Industry)	M.S.	Asst. Professor

FACULTY ACHIEVEMENTS

S.No.	Events	IT		
		Internal	External	Total Attended
1	Articels Reviewed	--	1	1
2	Technical Chair Person	--	1	1
3	Papers Published	--	16	16
4	Faculty Development Programme's	--	12	12
5	Webinars attended	--	9	9
Total		--	**39**	**39**

1. **Articals Reviewed:**

Dr. D Sirisha reviewd "A machine-learning-based approach for improving the performance of GPS", The Journal of Supercomputing, Jan. 2022. SCI Journal.

2. **Technical Chair Person:**

Dr. D Sirisha has been Technical Chair Person for "International Conference on Computing, Communication and Power Technology" (IC3P 2022) on 8th Jan. 2022.

3. **Papers Published (16):**

S.No.	Name of the faculty	Title	Journal Name	Month and Year of Publication / Presentation	Indexing
1	Dr. D Sirisha	"MPEFT: A Makespan Minimizing Heuristic Scheduling Algorithm for Workflows in Heterogeneous Computing Systems",	CCF Transactions on High Performance Computing. (SCIE)	Accepted for Publication	SCI
2	Mrs. D Sirisha	Automatic Brain Tumor Detection	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
3	Mrs. D Sirisha	Smart Health Prediction System in ML	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
4	Mrs. D Sirisha	Next word Prediction model using Machine Learning	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
5	Mrs. N V S Sowjanya	Plant Leaf Disease Detection Using Python	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
6	Mrs. N V S Sowjanya	Twitter Bot Using Python	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
7	Mrs. N V S Sowjanya	Iris Flower Classification using Machine Learning	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
8	Mr. Ch Venkata Ramana	Video Games Sales Prediction	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
9	Mr. Ch Venkata	Traffic Signs Recognition Using Python	International Journal of Research and Analytical	Feb. 2022	UGC Approved

	Ramana		Reviews		
10	Mrs. T Ganga Bhavani	Text Plagiarism Checker	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
11	Mrs. T Ganga Bhavani	Number Guessing Game Using Java	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
12	Mr. G Satya Mohan Chowdary	Hand Written Digit Recognition Using Cnn In ML	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
13	Mr. G Satya Mohan Chowdary	Text Summarization With Python	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
14	Mrs. Ch Sujana	Water Quality Prediction Using Machine Learning	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
15	Mrs. Ch Sujana	Whatsapp Chat Sentiment Analysis	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
16	Mr. K V V S Trinadh Naidu	Moving Object Detection Using Image Recognition	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved
17	Mr. K V V S Trinadh Naidu	Spam Mails Detection Using Ml In Python	International Journal of Research and Analytical Reviews	Feb. 2022	UGC Approved

4. FDPs (12):

S.No.	Name of the Faculty	Designation	Workshop/FDP Name	Organized by	Duration
1	Dr. D Sirisha	Professor & HoD	AICTE FDP on "Research Avenues in Machine Learnig & AI for Societal Issues"	Department of CSE & ECE NIT Sinchar,Assam	14th March 2022 to 18th March 2022
2	Mrs. N V S Sowjanya	Asst. Professor	Python for Data Science	NPTEL-AICTE	Jan.-Feb 2022
3	Mrs. N V S Sowjanya	Asst. Professor	30 days Master Class on Data Science and Analysis	Skill APSSDC, Pantech e learning	20th Jan. to 18th Feb. 2022
4	Mrs. T Ganga Bhavani	Asst. Professor	30 days Master Class on Data Science and Analysis	Skill APSSDC, Pantech e learning	20th Jan. to 18th Feb. 2022
5	Mr. G Satya Mohan Chowdary	Asst. Professor	30 days Master Class on Data Science and Analysis	Skill APSSDC, Pantech e learning	20th Jan. to 18th Feb. 2022
9	Mr. G Satya Mohan Chowdary	Asst. Professor	Certification Training	CELONIS	Feb. 2022

10	Mr. Ch Venkata Ramana	Asst. Professor	30 days Master Class on Data Science and Analysis	Skill APSSDC, Pantech e learning	20th Jan. to 18th Feb. 2022
11	Mr. K V V S Trinadh Naidu	Asst. Professor	Microsoft Upskilling Program	JNTUK kakinada	5th May
12	Mr. K V V S Trinadh Naidu	Asst. Professor	Python for Data Science	NPTEL-AICTE	Jan.-Feb. 2022

ONLINE CERTIFICATION COURSES COMPLETED BY FACULTY

- The following Faculty successfully completed NPTEL certification courses during Jan-Apr 2022.

S.No.	Name of the Faculty	Course Title	Result
1	N V S Sowjanya	Python for Data Science	Elite+Silver
2	K V V S Trinadh Naidu	Python for Data Science	Successfully Completed
3	G Satya Mohan Chowdary	Compiler Design	Elite

WEBINARS ATTENDED BY FACULTY

S.No.	Name of the Faculty	No of webinars Attended
1	Mr. Ch Venkata Ramana	**2**
2	Mrs. T Ganga Bhavani	**1**
3	Mr. G S Mohan Chowdary	**6**
Total		**9**

ONLINE CERTIFICATION COURSES COMPLETED BY STUDENTS

Coursera:

- The following is the list of students who have participated in JAVA Web Application courses in SPOKEN TUTORIAL IIT Bombay during the JAN-JUNE 2022.

S.No.	Name of the Student	Email	Gender
1	A. L. Sriya	sriyaadavikolanu@gmail.com	Female
2	Alugolu Anusha	alugoluanusha1129@gmail.com	Female
3	Kanchiraju Amrutha	kanchirajuamrutha@gmail.com	Female
4	Aradada Trishika Anshu	trishikaanshu1511@gmail.com	Female
5	B.Bhagya Sireesha	sireeshabondada@gmail.com	Female

6	Chalagalla Vinitha	chalagallavinitha045@gmail.com	Female
7	Chaluvadi Sai Vyshnavi	chaluvadisaivyshnavi@gmail.com	Female
8	Chenna.Akanksha	akankshachenna22@gmail.com	Female
9	Likhitha Chitturi	Chitturilikhitha9@gmail.com	Female
10	Chodisetty Anupama	anupamachodisetty@gmail.com	Female
11	Dantuluri Lakshmi Sai	lakshmisaidantuluri@gmail.com	Female
12	Desabathula Meera Deepika	meeradesabathula@gmail.com	Female
13	Elipilla Sai Susritha	saisusritha17@gmail.com	Female
14	Naga Bhavya	nagabhavya35@gmail.com	Female
15	G Swathi Aparna	swathig3aparna@gmail.com	Female
16	G.Ramya	garapatiramya9@gmail.com	Female
17	G Udaya Sri	udayagollapalli1217@gmail.com	Female
18	G. Sai Lahari	laharisaatwika@gmail.com	Female
19	Jampana Nirupama S S Sai Prasanthi	jnirupama7989@gmail.com	Female
20	J Parameswari	Paramparu1722@gmail.com	Female
21	Kalluri V M Satya Sai Usha Gayathri	ushagayathri.k2002@gmail.com	Female
22	Karuturi Gayathri	gayathrikaruturi22@gmail.com	Female
23	Katta Nandini	nandini.katta2018@gmail.com	Female
24	Kona Tulya Sree Simla	Tulyasreekona2001@gmail.com	Female
25	M. Swarna Mukhi	Suryaswarnamadduri@gmail.com	Female
26	Mallidi Devi Sri Surya Maneesha	devimaneesha234@gmail.com	Female
27	M. Sushmitha	sushmithamallipudi@gmail.com	Female
28	N.Sravani Devi	sravaninandam002@gmail.com	Female
29	Krishna Keerthi Peesapati	krishnakeerthipeesapati@gmail.com	Female
30	Pothula Lakshmi Bhavana	lakshmibhavana236@gmail.com	Female
31	P.K.R.Roshini	roshinipotti2@gmail.com	Female
32	Puligedda Veera Ganika Jalasri	jalasripuligedda@gmail.com	Female
33	Rudra Ashwini	aishwaryarudra66@gmail.com	Female
34	Bsvsss Vaasanthi	vaasanthi2002@gmail.com	Female
35	Seelaboyina Naga Mahathi	Mahathisandeep@gmail.com	Female
36	Marakata Manikya Valli Sripada	smmvalli@gmail.com	Female
37	Sridevi Vundavalli	rithikachowdary17@gmail.com	Female
38	Yatam Rama Sesha Nishitha	nishithayatam469@gmail.com	Female
39	Amudala Ratna Vikas	amudalavikas03@gmail.com	Male
40	A.Shyam Vineel	shyam123.avirapu@gmail.com	Male
41	Ramu B	bodduramu2002@gmail.com	Male
42	Bondada Sri Satya Kesava Tanuj	bssktanuj@gmail.com	Male
43	Chatradi Ram Sunil	ramsunil9632@gmail.com	Male
44	Ch Vineeth Krishna	Vineethkrishna1129@gmail.com	Male
45	Chintala Anil	anilchbhargav@gmail.com	Male
46	Rajesh	rajeshraja5076@gmail.com	Male
47	Gantasala V Venkata Siva Sravan	gantasalasravan123@gmail.com	Male
48	G.Saitharun	saitharungollapalli12345@gmail.com	Male
49	G Phaneendra	gphaneendra123@gmail.com	Male
50	G Karthik	Karthikchowdary810@gmail.com	Male
51	Gurrapu Padmakanth Eshwar	padmakanth07@gmail.com	Male

52	Ilapa Venkata Rajeswararao	naniillapu143@gmail.com	Male
53	Kalangi. Dinesh Kumar	Kalangidineshkumar93@gmail.com	Male
54	Kondaveeti Sai Harsha	kondaveetisaiharsha2002@gmail.com	Male
55	Madhu Kumar Lavudu	mk06470281@gmail.com	Male
56	Gowtham Manepalli	gowthamadityaa@gmail.com	Male
57	M.Venkata Sai Krishna	venkatasaikrishna1488@gmail.com	Male
58	Mulaparthipardhasaradhi	mulaparthipardhasaradhi@gmail.com	Male
59	N.Hari Krishna	h29271854@gmail.com	Male
60	P.Sairam Sathwik	pallapothusairamsathwik@gmail.com	Male
61	Pulaparthi Mohana V Rama Swamy	mohanpulaparthi@gmail.com	Male
62	S Kalyan Kumar	S.kalyan2002@gmail.com	Male
63	T Vikas Reddy	tdnvikas1234@gmail.com	Male
64	V.Rohit Kumar	rohitveluguri@gmail.com	Male
65	D. Vasavi Kiranmai	Vasavikiranmayi01@gmail.com	Female

- **The following is the list of students who have participated in various NPTEL courses during the JAN-JUNE 2022.**

S.No.	Roll No.	Name	Course Title	Result
1	19A31A1202	Alugolu Anusha	Ethical Hacking	Elite
2	19A31A1203	Kanchiraju Amrutha	Online Privacy	Elite
3	19A31A1206	Chalagalla Vinitha	Ethical Hacking	Elite
4	19A31A1210	Chodisetty Anupama	Ethical Hacking	Elite
5	19A31A1211	Dantuluri Lakshmi Sai	Online Privacy	Elite
6	19A31A1212	Desabathula Meera Deepika	Online Privacy	Elite
7	19A31A1213	Sai Susritha Elipilla	Online Privacy	Successfully completed
8	19a31a1216	Garapati Ramya	Online Privacy	Elite
9	19A31A1217	G Udaya Sri	Ethical Hacking	Elite
10	19a31a1218	Sai Lahari Gundu	Online Privacy	Elite
11	19A31A1219	Jampana Nirupama Satya Surya Sai Prasanthi	Online Privacy	Elite
12	19A31A1220	Parameswari Joga	Ethical Hacking	Elite
13	19A31A1221	Kalluri V M Satya Sai Usha Gayathri	Online Privacy	Elite
14	19A31A1223	Katta Nandini	Online Privacy	Successfully completed
15	19A31A1224	Kona Tulya Sree Simla	Online Privacy	Successfully completed
16	19a31a1229	Krishna Keerthi Peesapati	Ethical Hacking	Successfully completed
17	19A31A1230	Pothula Lakshmi Bhavana	Ethical Hacking	Successfully completed
18	19A31A1232	Veera Ganika Jalasri	Online Privacy	Elite
19	19A31A1235	Seelaboyina Naga Mahathi	Online Privacy	Elite+Silver
20	19A31A1236	Marakata Manikya Valli Sripada	Online Privacy	Elite
21	19A31A1237	Vundavalli Sridevi	Online Privacy	Successfully completed
22	19A31A1242	Bondada Sri Satya Kesava Tanuj	Ethical Hacking	Successfully completed
23	19a31a1243	Chatradi Ram Sunil	Blockchain and its Applications	Successfully completed
24	19a31a1244	Chekuri Vineeth Krishna	Ethical Hacking	Successfully completed

25	19A31A1245	Chintala Anil	Blockchain and its Applications	Successfully completed
26	19A31A1252	Ilapa Venkata Rajeswararao	Ethical Hacking	Elite
27	19A31A1254	Kondaveeti Sai Harsha	Blockchain and its Applications	Successfully completed
28	19A31A1257	Marri Venkata Sai Krishna	Ethical Hacking	Successfully completed
29	19A31A1260	Pallapothu Sairam Sathwik	Ethical Hacking	Elite
30	20A31A1221	Talupuri Jahnavi	The Joy of Computing using Python	Elite

Extra Curricular Activities

NSS:

S.No.	Date	Activity Name	Target Students	No. of Participants	Description / Outcome	Relevance to POs-PSOs
1	11-5-2022	Poster Presentation on" Cleaning of village ponds and wells"	II,III,IV Students	45	Community Development Workshop at JNTUK	PO6,PO8
2	8-4-2022	Elocution on "Blood Donation Camp"	II,III,IV Students	25	Blood Donation Camp	PO6,PO8
3	26-11-2021	Elocution on "Role of Engineers in a developing India"	II,III,IV Students	64	Constitution Day	PO6,PO8

Academic Toppers

- The following are the list of students who have been awarded as the academic toppers on 15th August 2022.
- The following are the academic toppers for II Year I Semester and overall pass percentage is 57.14%

S.No.	Roll No	Name	Branch	Year - Sem	SGPA
1	20A31A1211	Kotikalapudi Akhilandeswari	IT	II-I	8.74

2	20A31A1254	Sunkara Chaitanya Sai Bhaskar	IT	II-I	8.74
3	20A31A1207	Juttuka Harshita Maha Lakshmi	IT	II-I	8.6
4	20A31A1209	Kankatala Suchitra Devi	IT	II-I	8.6
5	20A31A1243	Kone Ram Lal Suresh	IT	II-I	8.6

❖ The following are the academic toppers for III Year I Semester and the pass percentage is 78.46%.

S.No.	Roll No.	Name	Branch	Year - Sem	SGPA
1	19A31A1238	Yatam Rama Sesha Nishitha	IT	III-I	**8.64**
2	19A31A1206	Chagalla Vinitha	IT	III-I	**8.5**
3	19A31A1217	Gollapalli Udaya Sri	IT	III-I	**8.5**
4	19A31A1218	Gundu Sai Lahari	IT	III-I	**8.5**
5	19A31A1230	Pothula Lakshmi Bhavana	IT	III-I	**8.5**
6	19A31A1231	Potti Krishna Ratna Roshini	IT	III-II	**8.5**

❖ The following are the academic toppers for IV Year I Semester and the pass percentage is 83.33%.

S.No.	Roll No	Name	Branch	Year -Sem	SGPA
1	18A31A1202	Balusu Lakshmi Sowjanya	IT	IV-I	8.91
2	18A31A1208	Korada Vyshnavi Devi	IT	IV-I	8.91
3	18A31A1220	Pentyala Sai Mounica	IT	IV-I	8.77

Editorial Board

Faculty members

Mrs. N V S Sowjanya – Convener

Mrs. T Ganga Bhavani – Member

Ms. B Preethi Devi – Member

Student members

Ms. Alugolu Anusha (III B.Tech.)

Mr. K Sai Harsha (III B.Tech.)

"The best thing about the future is that it comes only one day at a time."

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