



Pragati Engineering College

ME-TIMES

JULY-DEC 2024

DEPARTMENT
OF
MECHANICAL
ENGINEERING



COLLEGE VISION

“To emerge as a premier institution for technical education in the Country through Academic Excellence and to be recognized as a Center for Excellence in Research & Development, catering to the needs of our Country.”

COLLEGE MISSION

“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.”

ABOUT THE DEPARTMENT

The department is committed to strengthen the academic, research and functional abilities of the students, in order to enable them to stand as competent and versatile professionals after graduation. The department strives to enhance research activity in the department, thereby creating competent intellectual resources to the students.

The department conducts various events for revealing scientific, engineering, and technological advances to students. The students participate in events and national level contests, conducted by various institutes.

DEPARTMENT VISION

To be a globally renowned school of Mechanical Engineering in transforming individuals into professional engineers with world class competency and state-of-the-art research to fulfill the technological needs of the society.

DEPARTMENT MISSION

The department of mechanical engineering strives.

M1: To prepare, educate and guide students by the faculty from all domains of mechanical engineering in enhancing their skills.

M2: To establish and utilize world class resources and infrastructure to impart quality education and promote Research aptitude among faculty and students to pursue higher education in diverse fields.

M3: To explore the students' knowledge gradually through industrial interaction for increasing their placement potential to fulfil the basic needs of the society with ethical and social responsibility.

From HOD-DESK



DEPARTMENT OF MECHANICAL ENGINEERING is publishing News Letter “ME Times” with half-yearly by student editors, Faculty members and it will be shared to all the stakeholders through website.

It is with great pleasure that we bring you the Second issue in VOLUME 22 of ME-TIMES, the half yearly newsletter of DEPARTMENT OF MECHANICAL ENGINEERING in PRAGATI ENGINEERING COLLEGE. The name of our newsletter- ME-TIMES- signifies VALUE TIME, and it very aptly sums up the prospects of our Institute. With faculty that consists of bright minds and students who are keen to leave a mark, our future is in safe hands indeed. We are thankful to our students for coming up with the name and logo of the newsletter. The current newsletter highlights the activities of our students and the achievements of faculty during the past one year. It also features visits by eminent scholars from India and abroad to PRAGATI ENGINEERING COLLEGE. This newsletter also throws light on the infrastructure that MECHANICAL DEPARTMENT in PRAGATI ENGINEERING COLLEGE has, and the facilities that it provides. The intent of ME-TIMES is to disseminate information about our Institute, and we hope that the readers find the issues informative and useful. We are thankful to the faculty and staff of PRAGATI ENGINEERING COLLEGE for their valuable inputs, and we welcome suggestions and feedback that will help us improve further. We can be reached at newsletter@pragati.ac.in.

PUBLICATIONS

S. No	Name of the Faculty	Title of the paper	Journal Name	Journal Type
1	Dr. G Avinash, Mr. G.V.N.Santhosh	Numerical Analysis and Characteristics Observation of a Torpedo-Shaped Glider Under Oceanic Conditions	International Journal Of Innovative Research In Technology	UGC Approved
2	Dr. G Avinash, Mr. A. Phani bhaskar	"High Life Cycle Analysis Of Crank Shaft Under Dynamic Loading Condition Using Structural Stress Analysis with help of MAT Lab commercial Code	Journal of Nonlinear Analysis and Optimization	UGC Care
3	Mr. D J Johnson, Mrs. P. Gayatri	Structural Analysis & Effect of Impingement Cooling Flow in the Internal Surface on Temperature Distribution of a Vane in Gas Turbine Using Taguchi Technique	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	Others
4	Mrs. K.Aravinda, Mr. P. Ram Prasad	Experimental investigation on effect of shell thickness and infill density on Mechanical Properties of polymer 3D Printing Process (MEX)	International Journal for Research in Applied Science and Engineering Technology (IJRASET)	Others
5	Mr.M. Sunil Raj, Mr. V.V.N.Sarath	Design And Strength Improvement Of The Hook With Loading Capacity Of 63000Kg In An Open Winch Drum Model By Optimizing The Materials And The Profiles	Journal of Nonlinear Analysis and Optimization	UGC Care

WORKSHOP'S

1	Dr.G.Avinash	One day workshop on "Towards enhanced performance in NIRF Rankings 2025-A Strategic approach"	JNTUK	12/23/2024
2	Mr.PhaniBhaskar	National level short term training program 2k24 on java full stack with react JS and AI	Pragati Engineering College	2-12-2024 to 22-12-2024
3	Mrs Aravinda Karri	National level short term training program 2k24 on java full stack with react JS and AI	Pragati Engineering College	2-12-2024 to 22-12-2024
4	Mr.B.Bharath kumar	2 day workshop on Fused deposition model	Incredible	20-6-2024 to 21-6-24

FDP'S

S. N O	Name of the Faculty	TITLE	VENUE	DURATION
1	Mr.N.Raghuveer	One week FDP on Salesforce Platform Developer 1	Pragati Engineering College	16-12-2024 to 20-12-2024
2	Mr.B.Bharathkumar	One week FDP on Salesforce Platform Developer 2	Pragati Engineering College	16-12-2024 to 20-12-2024
3	Mr.Sreeramachandra murthy	One week FDP on Salesforce Platform Developer 3	Pragati Engineering College	16-12-2024 to 20-12-2024
4	MrsAravinda Karri	One week FDP on Salesforce Platform Developer 4	Pragati Engineering College	16-12-2024 to 20-12-2024
5	Mr.A.Yeswanth	One week FDP on Salesforce Platform Developer 5	Pragati Engineering College	16-12-2024 to 20-12-2024
6	Mr.P.Ramprasad	One week FDP on Salesforce Platform Developer 6	Pragati Engineering College	16-12-2024 to 20-12-2024
7	Mr.N.Raghuveer	Mastering AI tools for Faculty Excellence	Vishwakarmain stiute of Information Technology,Pune	23-12-24 to 27-12-2024
8	Dr.G.Avinash	NPTEL -AICTE FDP on The joy of computing using python	NPTEL	jul-oct 2024
9	Mr.A.Yeswanth	NPTEL -AICTE FDP on The joy of computing using python	NPTEL	jul-oct 2024
10	Mr.A.Yeswanth	One week FDP on AI/ML Tools for Advanced materials,manufacturing and thermal systems(ATAMMTS-2024)	LakireddyBalir eddy college of Engineering	24-6-2024 to 28-6-2024
12	Dr.G.Avinash	Cutting-Edge Research and Technologies in Signal Processing using MATLAB	MLRIT	12-8-2024 to 17-8-2024
13	Mr.B.Bharathkumar	AICTE FDP on Cloud computing	NPTEL	jul-oct 2024
16	Mr.PhaniBhaskar	One week International FDP on AI for sustainable development	VIIT ,Pune	5-8-2024 to 9-8-2024

STUDENT ACTIVITIES**ENGINEERS DAY**

S. No	Roll Number	Name	Date	Event Name	AWARDED/ PARTICIPATED
1	23A31A0304	R RenukaVijayaDurga	9/17/2024	Essay Writing - Engineers Day	Awarded
2	23A31A0313	B Sai Teja	9/17/2024	Essay Writing - Engineers Day	Awarded
3	21A31A0319	D Ashish Varma	9/17/2024	Power Point Presentation - Engineers Day	Awarded
4	23A31A0317	C H V VSatyanarayana	9/17/2024	Power Point Presentation - Engineers Day	Awarded

OFFLINE/VIRTUAL - TRAINING PROGRAM /INTERNSHIP/CERTIFICATION

Sl. No	PIN Number	NAME OF THE STUDENT	YE AR	TITLE	TYPE OF EVENT	DATE
1	22A31A0373	M Shanmukha srinivas	III	SKILL INTERN	CAMPUS AMBASSADOR	11/30/2024
2	22A35A0328	Uppala pavan sai	IV	SOLID WORKS ESSENTIALS FOR COMPLETE BEGINNERS	SOURCECAD	11/21/2024
3	22A35A0319	Penke jagan mohan	IV	AI ASSOCIATE	SALESFORCE	10/31/2024
4	22A35A0328	Uppala pavan sai	IV	AUTO CAD 3D:FROM BASICS TO ADVANCED MODELLIN G	UDEMY	10/19/2024
5	21A31A0331	Mangam ajay kumar	IV	AI ASSOCIATE	SALESFORCE	10/19/2024
6	22A35A0302	Vasamsetti mallika	IV	AI ASSOCIATE	SALESFORCE	10/11/2024
7	21A31A0385	Medisetti sai durga nishth	IV	GOOGLE CYBERSECU RITY	COURSERA	10/5/2024
8	21A31A0385	Medisetti sai durga nishth	IV	GOOGLE AI ESSENTIALS	COURSERA	8/27/2024
9	21A31A0376	Masakapalli sai naresh	IV	GOOGLE AI ESSENTIALS	COURSERA	8/23/2024

10	22A31A0371	M sai durga veera venkata akhil	III	MERI MATI MERA DESH	NSS UNIT-PEC	8/15/2024
11	22A35A0302	Vasamsetti mallika	IV	PROGRAM MINNG ESSENTIALS IN C	CISCO	8/3/2024
12	22A35A0302	Vasamsetti mallika	IV	ADGVANCE D PROCGRAMMING IN C	CISCO	8/3/2024
13	22A35A0302	Vasamsetti mallika	IV	PROGRAM MINNG ESSENTIALS IN PYTHON	OPENEDG	8/2/2024
14	23A35A0321	Koripuri rajesh	III	NETWORKING ESSENTIALS	CISCO	7/14/2024
15	20A31A0380	Koppiseti siva raja		DATA ANALYTICS WITH TABLEAU	SMART INTERNZ	5/30/2024
16	22A31A0320	Karanam kali krishna	III	AUTOMATI ON IN MANUFACT URING	NPTEL	JUL-SEPT-2024
17	23A35A0313	Nallamilli jnaneswari	III	R&AC	NPTEL	JUL-SEP-2024
18	22A31A0324	Kolagani shanmukh sai	III	DBMS	NPTEL	JUL-SEP-2024
19	22A31A0373	M shanmukha srinivas	III	IC ENGINES & GAS TURBINES	NPTEL	JAN-APR-2024
20	22A31A0371	M sai durga veera venkata akhil	III	SALESFORC E	EXCELR	15 Jul - 2 Aug-2024
21	21A31A0364	Meenavalli bhargava manikanta	IV	GOOGLE AI ESSENTIALS	COURSERA	-
22	21A31A0364	Meenavalli bhargava manikanta	IV	GOOGLE CYBERSECURITY	COURSERA	-
23	22A31A0371	M sai durga veera venkata akhil	III	INTRODUC TION TO PROGRAM MING WITH PYTHON - C550 CERTIFICAT E	CAMBRIDGE UNIVERSITY	-
24	22A31A0357	Dune satya sudheer	III	INTRODUC TION TO PROGRAM MING WITH PYTHON - C550	CAMBRIDGE UNIVERSITY	-

				CERTIFICATE		
25	22A31A0324	Kolagani shanmukh sai	III	E-COMMERCE & TECH QUIZ	FLIPKART GRID 6.0	-
26	22A31A0360	Gollapalli veere satya subrahmanya swami	III	ALIBABA CLOUD	ALIBABA	-
27	22A35A0302	Vasamsetti mallika	IV	ALIBABA CLOUD	ALIBABA	-
28	22A31A0361	G ravi kumar		INTRODUCTION TO PROGRAMMING WITH PYTHON - C550 CERTIFICATE	HARWARD & EDX	-
29	23A35A0322	Penumaka siva shankari	III	INTRODUCTION TO PROGRAMMING WITH PYTHON - C550 CERTIFICATE	HARWARD & EDX	-

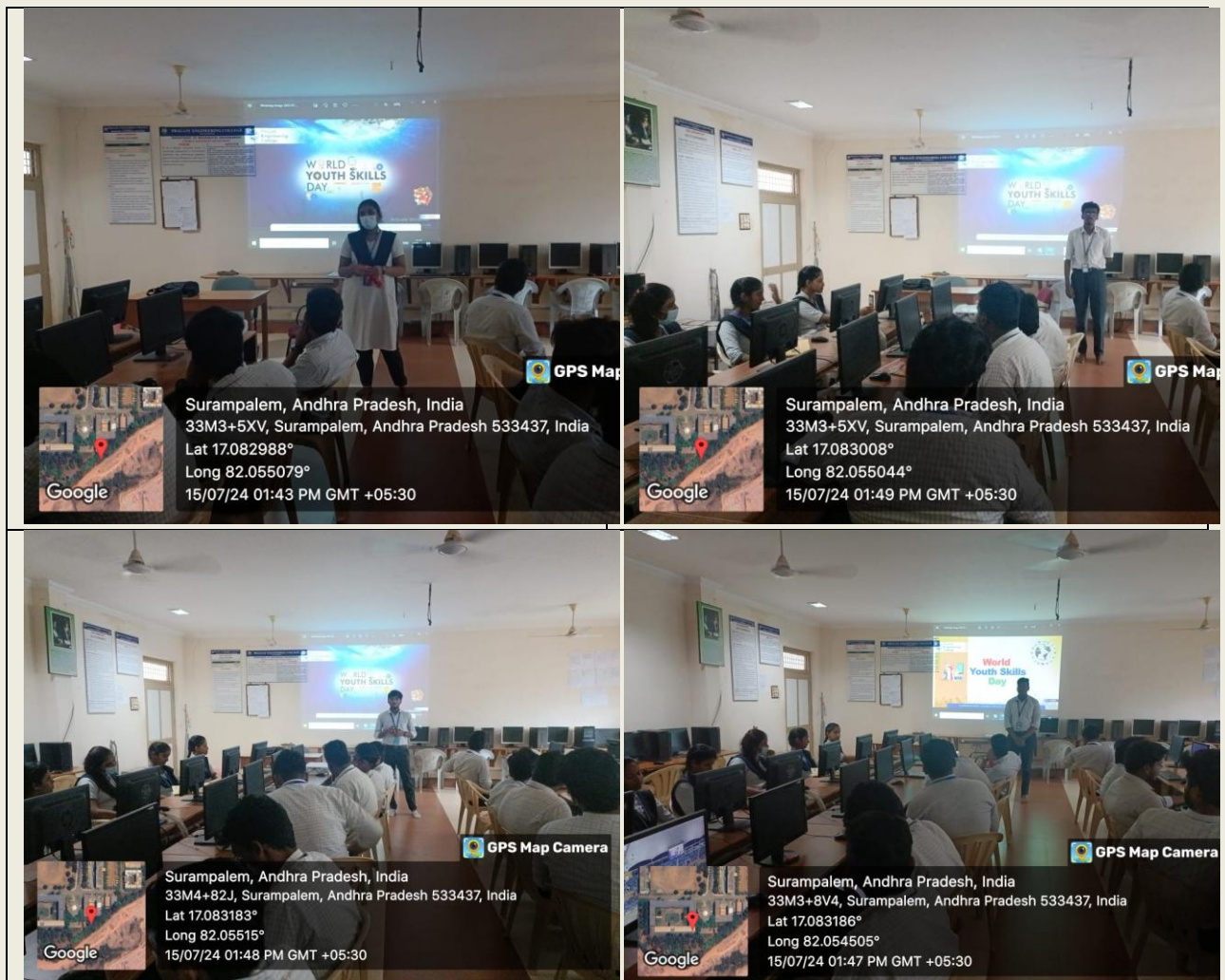
SPORTS ACHIEVEMENTS



Sl. No	PIN Number	NAME OF THE STUDENT	EVENT & VENUE OF EVENT	AWARDED	Level
1	22A35A0317	Nambu Sri Venkata Siva Sai Lakshman Royal	SHOOTING (Air Pistol) & Central Zone Rifle Shooting (Men and Women) Inter Collegiate Tournament cum University team selection	2nd Position	University Level

STUDENT ASSOCIATION ACTIVITIES

On the eve of World Youth Skills Day 2024 Mechanical Engineering Department organized an Elocution Competition to bring awareness and to justify need of this day.



As part of the Industry 4.0 Clubs, the Robotics Club of Pragati Engineering College conducted an Online Quiz on **Current trend sand future of Robotics** on 01-08-2024. A total of 24 students of B.Tech II, III and IV Year have participated in the Quiz.

S.No.	NAME OF THE STUDENT	ROLL NUMBER	BRANCH	Year and Section
1	GOLLAPALLIVEERASATYA SUBRAHMANYASWAMY	22A31A0360	ME	IIIB
2	VINSYMOYYA	21A31A4289	CSE-AIML	IVB
3	YARRAMNEEDIVINAYAKA	22A31A0396	ME	IIIB
4	SATHISNEHA	23A31A0411	ECE	IIA
5	D.SRIVEENA	24A31A0403	ECE	IIA
6	ARIGELASURYAKOWSALYA	22A31A04F2	ECE	IIIC
7	CHITTURIBALACHANDRASATYA YASWANTH	23A31A04M2	ECE	IID
8	AVINASHSAI GANGADA	23A35A0316	ME	IIIB
9	NAMALASOWBHAGYALAKSHMI	22A31A04S1	ECE	IIIE
10	MALYALASATVIKA ANJANI	22A31A04R5	ECE	IIIE
11	BATHULAJAMESNAVADEEP	23A31A04M0	ECE	IID
12	VUYYURISRIVISHNUPRIYA	22A31A04P8	ECE	IIIE
13	K.N.VSAI MEGHANA	22A31A04E6	ECE	IIIC
14	PEDDIREDDIGOVARHANDATTA	22A31A04W2	ECE	IIIC
15	BAVIRI MANIKANTA	22A31A0305	ME	IIIA
16	B.PAVANI	22A31A04D5	ECE	IIIC
17	I.L.S.CHAKRADHAR	22A31A04T7	ECE	IIIE
18	CHINMAYEYENDUVA	22A31A04P9	ECE	IIIE
19	KOWJUSRI HARSHA	22A31A0448	ECE	IIIA
20	VISHNUVARDHANANGARA	22A31A0429	ECE	IIIA
21	NAKKASRAVANI	23A35A0402	ECE	IIIA
22	GNEERAJSURYA	22A31A0438	ECE	IIIA
23	RAMNATHBUDI	22A31A0431	ECE	IIIA
24	SIVAKOTI LAKSHMISATYA NARAYANA	22A31A0462	ECE	IIIA

As part of the Industry 4.0 Clubs, the Robotics Club of Pragati Engineering College conducted a session on Anatomy of a Robot – Understanding the Mechanics of Motion on 30-10-2024 and 04-11-2024 for I B-Tech students of CSE. A total of 120 students registered from all the branches and among them 41 students have participated on above dates.



FACULTY CO-ODINATOR

A.PHANI BHASKAR

STUDENTS CO-ORDINATORS:-

1. 22A35A0317---- N.S. V. S. S. L. ROYAL-----IV-B
2. 22A31A0360--- G.V.S.S.SWAMY ----- III-B
3. 23A35A0322--- PENUMAKA SIVA SANKARI ---III-A
4. 23A31A0304-- R RENUKAVIJAYADURGA-----II

HOD-ME

Dr. G.AVINASH