

PRAGATI ENGINEERING COLLEGE (A)



ME-TIMES

JULY-DEC 2022

DEPARTMENT
OF
MECHANICAL
ENGINEERING



6/1/2023

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.

DEPARATMENT 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.

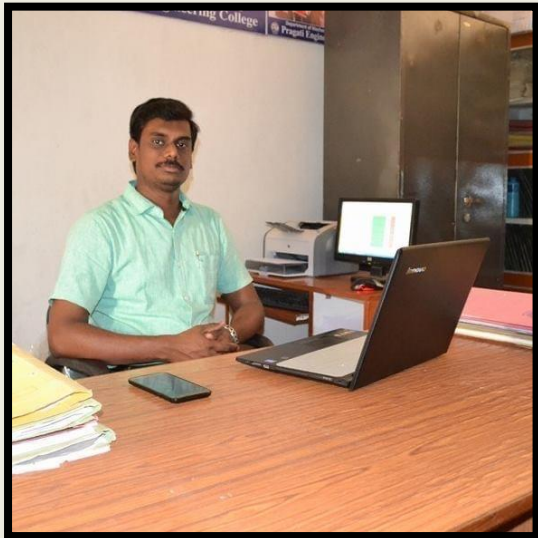
M2: To establish and utilize world class resources and infrastructure to impart quality education and promote Research aptitude among faculty and students to pursue higher education in diverse fields.

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.

DEPARATMENT 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.

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 stake holders through website.

It is with great pleasure that we bring you the Second issue in VOLUME 20 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.

FACULTY PUBLICATIONS

S.NO	Name of the Faculty	Title of the Paper	Month and year of publication	Name of journal	ISSN/DOI Number
1	Static and dynamic analysis of monocoque and semi monocoque structure using sandwich composite material	Mr. G.V.N. Santhosh, Mr. S. Srikanth	Oct-22	IJAEMA, volume XIV, Issue X I	SSN N O:0866- 9367X
2	Performance evaluation of cascade refrigeration system using the combination of R30 and different concentrations of R60	Mr. D. J. Johnson, Mrs. P. Gayathri	Oct-22	journal of engineering sciences, volume 13 issue 10,2022	ISSN:0377- 9254
3	DESIGN AND ANALYSIS ON SCRAMJET ENGINE INLET AT DIFFERENT CONDITIONS	K. Aravinda, S. Srikanth	Sep-22	The International journal of analytical and experimental modal analysis	0886-9367
4	DESIGN AND FINITE ELEMENT ANALYSIS OF AIRCRAFT WING USING COMPOSITE MATERIALS	N.Raghuveer, A .Yeswanth	Sep-22	The International journal of analytical and experimental modal analysis	0886-9367
5	Effect of SiHGM reinforcements on the corrosion rate of Al 4032 MMC	Mr. AvinashGudimetla Dr. S. Sambhu Prasad	Nov-21	Materials today	1369-7021

BOOK CHAPTERS

S.NO	Name of the Faculty	TITLE	VENUE	DURATION
1	Dr.G.Satish	1. Chapter Title: “Applications of Artificial Intelligence in Sustainable Energy Development and Utilization”, Book Title: “Computational Intelligence in Sustainable Reliability Engineering”, Series: Sustainable Computing and Optimization, Scrivener Publishing LLC, Willy, ISBN: 9781119865018, pp 129-144, November 2022.	Scrivener Publishing LLC, Willy	Nov-22

WORKSHOP'S

S.NO	Name of the Faculty	TITLE	VENUE	DURATION
1	Dr.G.Satish	One-Day State-Level Workshop on “India Rankings-2023 National Institutional Ranking Framework (NIRF	Andhra Loyola Institute of Engineering & Technology, Vijayawada	16-11-2022

FDP'S

S.N O	Name of the faculty	FDP NAME	Venue	Duration
1	Dr.D.Dharmalingam	Teach forward:Best strategies for hyrid,remote and blended learning	Microsoft	16-08-2022
2	Dr.G.Avinash	Teach forward:Best strategies for hyrid,remote and blended learning	Microsoft	16-8-2022
3	Dr.D.Dharmalingam	Regional meet(Institution's innovation council,MOE innovation council)	Andhra university	8-10-2022

STUDENT ACTIVITIES

RESEARCHER

RESEARCHER

Sl. No	PIN Number	NAME OF THE STUDENT	YEAR-SECTION	EVENT	TOPIC	RESEARCHER AT
1	19A31A03E3	Sri Ram Deepak Akella	IV-D	Life time researcher	Atal Yaan reusable launch Vehicle	ORBIT INDIA AEROSPACE



CERTIFICATIONS

S.No.	Name(s) of the Student (s)	Regd No	Date	Details of the Certification(Title, Organization, Position Secured, Paid/ Free...etc)
1	SHASHANKH MANTRIPRAGADA	19A31A03C0	July 2022	Cybersecurity by CISCO
2	TUMU HARI NARAYANA	20A31A0353	26.09.2022	Autodesk Certified User: AutoCAD®
3	TUMU HARI NARAYANA	20A31A0353	06.10.2022	Agile Methodology Virtual Experience Program by Cognizant
4	MANI KONDABABU PEDAGADI	20A31A0388	08.11.2022	GOOGLE CLOUD SECURITY AND OPERATIONS TRAINING BY GOOGLE CLOUD AND COURSERA

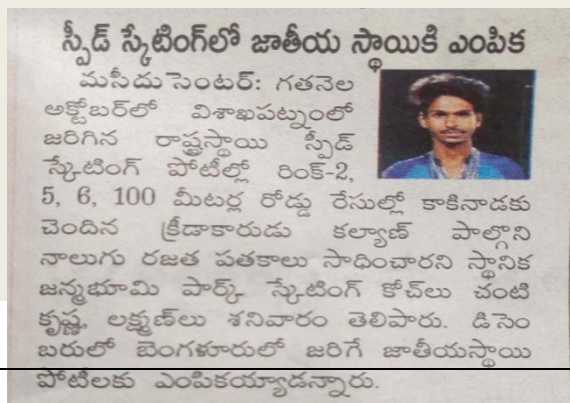
5	APSANI SRI KRUTHYA	19A31A0301	07.10.2022	Executive management consulting program for students
6	ERANKI V S S KAMESWARA SASTRY	20A31A0373	24.06.2022	MICROSOFT UPSKILLING INTRO. TO PYTHON PROGRAMMING
7	M S S K SHASHANK	19A31A03C0	19.12.2022	MICROSOFT UPSKILLING AI FUNDAMENTALS
8	NARLA GOPALA SWAMY	19A31A03G8	20.12.2022	MICROSOFT UPSKILLING AZURE FUNDAMENTALS
9	CHELLURI DILEEP KUMAR	19A31A0364	20.12.2022	MICROSOFT UPSKILLING DYNAMICS 365 FUNDAMENTALS
10	SHASHANKH MANTRIPRAGADA	19A31A03C0	-	NPTEL FUNDAMENTALS OF MANUFACTURING PROCESS
11	APSANI SRI KRUTHYA	19A31A0301	16.08.2022 To 22.08.2022	NPTEL ONLINE SOFT SKILLS TRAINING ON INTERVIEW READINESS

SPORTS ACTIVITIES

SKATING CHAMPION:

Sl. No	PIN Number	NAME OF THE STUDENT	EVENT HELD DURATION	EVENT	AWARDED
1	20A31A0387	Pasupuleti Kalyan	Oct'22	State wise Skating Competitions at Visakhapatnam	Rink 200 m
2	20A31A0387	Pasupuleti Kalyan	Oct'22	State wise Skating Competitions at Visakhapatnam	Rink 500 m
3	20A31A0387	Pasupuleti Kalyan	Oct'22	State wise Skating Competitions at Visakhapatnam	Rink 600 m
4	20A31A0387	Pasupuleti Kalyan	Oct'22	State wise Skating Competitions at Visakhapatnam	Rink 100 m

SKATING CHAMPION:



RUNNING CHAMPION:

PIN Number	NAME OF THE STUDENT	EVENT HELD DURATION	EVENT	AWARDED
20A31A0350	Sekolu Naga Sathi babu	26th and 27th Dec 2021	JNTUK Inter Collegiate Athletic Men and Women Championship	800 m Running 1st Prize
20A31A0350	Sekolu Naga Sathi babu	03.12.2022	JNTUK Central Zone Athletics Men & Women Championship 2022-23	800 m Running SILVER medal and selected for
20A31A0350	Sekolu Naga Sathi babu	03.12.2022	JNTUK Central Zone Athletics Men & Women Championship 2022-23	400 m Running SILVER medal and selected for



NSS ACTIVITIES

Sl No.	Date	Name of the Activity	ME
3	14.6.2022	Blood Donor Day 2022	5
4	20.6.2022	Participation in Pre Yoga Day Camp 2022	5
5	21.6.2022	International Yoga Day	5
6	11.8.2022	Har Ghar Tiranga-Independence Day Week Celebrations (11-15th August 2022)	10
7	15.8.2022	Independence Day Celebration	10
8	1.9.2022 to 15.9.2022	Swachhata Pakhwada	5
9	12.8.2022	Drug Abuse Awareness	5
10	17.9.2022	Blood Donation Camp in association with Rotary Blood Centre,Peddapuram	4
11	22.9.2022	NSS Day Celebration	8
12	15.10.2022	White Cane Day"A fund raising programme"	5
13	17.10.2022	"Poshan Abhiyaan"- Awareness on Diet & Nutrition	4
14	17.10.2022 to 31.10.2022	Clean India 2.0 Programme	2
15	31.10.2022	National Unity Day " Rashtriya Eakta Diwas"	4
16	21-11-2022	Constitution Day	11
17	25-11-2022	Communal Harmony Day	5
18	03/12/22	Blood Donation Camp in association with GGH	4



BLOOD DONATION CAMP
 Date : 03-12-2022
 - In association with -
GOVT. GENERAL HOSPITAL- KAKINADA
 - Organized by -
NSS UNIT & ROTARACT CLUB
PRAGATI ENGINEERING COLLEGE
 (Autonomous)



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విద్యార్థుల రక్తదానం

గండేపల్లి, స్యూస్టుడె: సూరంపాలెం ప్రగతి ఇంజనీరింగ్ కళాశాలలో 78 మంది విద్యార్థులు రక్తదానం చేసినట్లు కళాశాల చైర్మన్ పి.కృష్ణారావు తెలిపారు. ఏటా కళాశాల విద్యార్థులు రక్తదానం చేస్తూ ఆదర్శంగా నిలుస్తున్నారన్నారు. సేవరించిన రక్తాన్ని కాకినాడ ప్రభుత్వ ఆసుపత్రి, రోటరీ క్లబ్, శారదా దేవి బ్లడ్ బ్యాంక్ యూనిట్లకు అందజేసినట్లు తెలిపారు. ప్రెస్నిపల్ సత్యనారాయణ, ఎన్ఎస్ఎస్ ప్రోగ్రాం అధికారి ఫణీంద్ర, విద్యార్థులు పాల్గొన్నారు.

(అనూది సనుల సరిశీలన
 Date : 04/12/2022 EditionName : ANDHRA PRADESH(KAKINADA) PageNo : 06

అంధత్వం

ప్రగతిలో రక్తదాన శిబిరం

గండేపల్లి, ప్రభుత్వం : గండేపల్లి మండలం సూరంపాలెం ప్రగతి ఇంజనీరింగ్ కళాశాల లో ఎన్ ఎస్ విభాగం, రోటరాక్ట్ క్లబ్ వారి సంయుక్త నిర్వహణలో రక్తదాన శిబిరం నిర్వహించి, కాకినాడ గవర్నమెంట్ హాస్పిటల్ వారికి అందజేశారు. ఈ కార్యక్రమం కాకినాడ ప్రభుత్వాలయపల్లి బ్లడ్ బ్యాంక్ ఇంటర్ డాక్టర్ డి శారదా దేవి, సర్కిల్ డాక్టర్ కొనసాగింది. కళాశాల చైర్మన్ డాక్టర్ పి కృష్ణారావు మాట్లాడుతూ తమ కళాశాల ఎన్ ఎస్ విభాగం నిర్వహిస్తున్న రక్తదాన శిబిరానికి రోటరాక్ట్ క్లబ్ వారు అందిస్తున్న సహకారానికి కృతజ్ఞతలు తెలియజేశారు. భవస్వచ్ఛులో చేపట్టే వివిధ సామాజిక కార్యక్రమాలకు తమ వంతు సహాయం అందిస్తూనే వున్నారన్నారు. ఈ కార్యక్రమంలో పాల్గొన్న వైద్య బృందం సుమారు 100 మందికి ప్రాథమిక చరిత్రలు నిర్వహించిన అనంతరం 78 మంది నుండి రక్తాన్ని సేకరించారని కళాశాల ప్రెస్నిపల్ డా కె సత్యనారాయణ తెలిపారు. ప్రాధికారంలో కళాశాల చైర్మన్ మనోజ్ఞులల్ ఎం వి హరనాథలూ, ప్రెస్ ప్రెసిడెంట్ ఎం సతీష్, కెరకేటి డా ఎస్ శంభుప్రసాద్, ప్రెస్ ప్రెస్నిపల్ డా జి సతీష్, ఎన్ఎస్ఎస్ ప్రోగ్రామ్ అధీశులు పి రాజశేఖర ఫణీంద్ర, ఈవెంట్ కో ఆర్డినేటర్స్ వై విజయకుమార్, వై శివశేఖ రార్య, ఆర్ బాలసాయి, సుందర్, శ్రీరామ్ దీపక్ తదితరులు పాల్గొన్నారు.

NCC ACTIVITIES

S.No	Name Of The Event	Date	No.Of Participations
1	Har Ghar Tiranga Programme, Azadi Ka Amruth Mahotsav	12/08/22	15
2	Independence Day	15-08-2022	12
3	Participated In Independence Day Parade In Sp Office, Kakinada	15-08-2022	3
4	Annual Traing Camp – 1 At Pragati Engineering College ,Surampalem	21-08-2022 To 28-08-2022	12
5	Army Attachment Camp At Secundedrtabad	22-08-2022 To 31-08-2022	2
6	International Coastal Cleanup Day At Kakinada Ntr Beach	16-09-2022	13
7	All India Tribal Trekking Camp At Oddissa	19-09-2022 To 26-08-09-2022	0
8	Puneeth Sagar Abhyan At Ntr Beach, Kakinada	25-09-2022	15
9	Seminar, Introduction To 1 st Year Students About Ncc By Cadets	30-09-2022	1
10	Atc-2 At Vsm Collage, Ramachandrapuram	11-10-2022 To 18-10-2022	2
11	Launch Of Machine Life At Statue Of Unity, Gujarat By The Priminister Narendra Modi	20-10-2022	15
12	Combined Annual Training Camp At Gite College, Rajamundry	23-10-2022 To 31-10-2022	1
13	Unity Day Rally At Pragati Engineering College Surampalem	31-10-2022	15
14	Circular For Recruitment Of Senior Division Cadets	03/11/22	
15	Recruitment At Pragati Engineering College	09/11/22	B1- Total 28 Cadets Present
16	New Enrolment For 1 st Year And 2 nd Year Selections For Students	25-11-2022	5
17	Ncc Classes Conducted For B1 Cadets	25-11-2022	3
18	74 th Ncc Day Celebrations	27-11-2022	15
19	Faculty Coordinators Meeting	29-11-2022	01(Faculty)
20	Prism (Receiving Guest Volunteer, Pyramids, Dance)	11/01/23	7
21	Republic Day At Pragati Engineering College	26-01-2023	10

22	Republic Day At Sp Office Kakinada	26-01-2023	2
23	Cader Camp At Inv Peddapuram	06-02-2023 To 12-02-2023	15
24	C Certificate Examination (Drill Test)	17-02-2023	9
25	C Certificate Examination	19-02-2023	9



Government of Andhra Pradesh had conducted Youth festival on 4th Nov ,2022 in Kakinada in that student of Mechanical had won the prize in it



STUDENTS CO-ORDINATORS:-

FACULTY CO-ODINATOR

A.PHANI BHASKAR

ASST.PROFESSOR

1. 19A31A03E3--SRI RAM DEEPAK AKELLA--- IV-D
2. 20A31A0354----- VADREW KOWSIK----- III-A
3. 21A35A0303----- PONNADA MOHANA----III-A

HOD-ME

Dr. G.AVINASH

PROFESSOR