

YANTRA NEWSLETTER

SEP – NOV 2021

Volume-2

NEWSLETTER-ME

VOLUME - 2

Department of Mechanical Engineering

At a Glimpse

- Guest Lectures
- Faculty Achievements
- Student Placements
- Sports & Games
- Teachers Day Celebration
- Batch Toppers
- Student Technical Events
- Vaccination Drive

ABOUT MECHANICAL DEPARTMENT

Mechanical engineers develop state-of-the-art technologies and exhilarating solutions for the mankind. We attempt to provide our students with a cheerful, productive and satisfying experience at all levels of their program of studies to explore the amazing world of mechanical engineering. The department has secured high repute through its quality of teaching, infrastructure & equipment. Teaching has been rendered by highly qualified and experienced faculty with good publications in reputed journals. The department is recognized as a research centre by JNTUK, Kakinada for pursuing Ph.D. programme in Mechanical Engineering. The department has spacious laboratories and well equipped with experimental set-ups as per the requirement of the curriculum. The faculty are very active and encourage the students in fabricating real models viz., Go-kart, Robots, Solar based vehicles and other working models, which are very useful in day-to-day life and teach students with live examples.

Vision

To be a center of excellence in Mechanical Engineering education and research

Mission

- *To promote trainings with institutional association*
- *To achieve learning centric infra-structure.*
- *To provide skill-based education with focus on Automotive*
- *To promote innovative ideas through creativity and leadership quality*

BRAKING		VEHICLE SPECIFICATIONS		SUSPENSION	
PARAMETER	DESIGNED	PARAMETER	DESIGNED	PARAMETER	DESIGNED
BRAKE CIRCUIT	X - SPLIT	TRACK WIDTH	FRONT : 52" REAR : 50"	FRONT ARMS	DOUBLE WISHBONE
CENTRE OF GRAVITY	X-23.6" Y-25.8" Z-15.43"	WHEEL BASE	56"	REAR ARMS	SEMI TRAILING ARM
DISC DIAMETER	FRONT - 170 mm REAR - 170 mm	HEIGHT	58"	SPRING MASS	180Kg
		GROUND CLEARANCE	12"	UNSPRING MASS	70Kg
TRANSMISSION		WEIGHT	KERB : 180 Kg GROSS : 250 Kg	SHOCK ABSORBER	FOX FLOAT 3 EVOL R
ENGINE	CVT	WHEEL (FRONT, REAR)	23" * 7" * 10"	STEERING	
BRIGGS & STRATTON, 10HP, OHV, 305 CC,	CV TECH GX90 REDUCTION - 0.54-3.0			PARAMETER	DESIGNED
ENGINE TORQUE -18.75N-m	BELT TYPE - BELT LENGTH - 815			MECHANISM	ACKERMANN
GRADABILITY	77.7%			TURNING RADIUS	2.5m

Editorial Board:

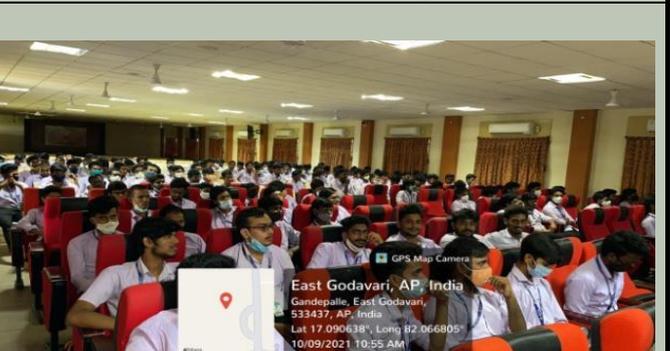
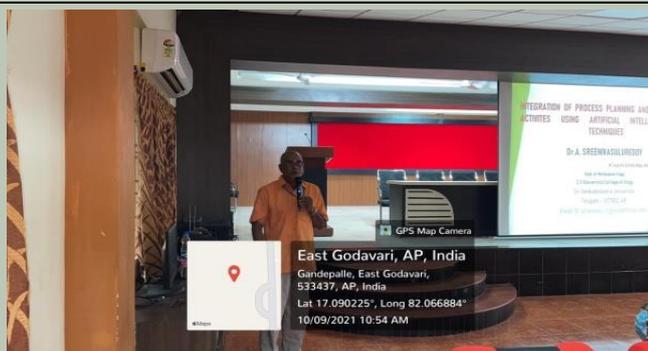
1. Dr. CH V V M J Satish Asst. Professor
2. Mr. Abdul Arif Asst. Professor
3. Mr. Lokesh Nagala (Student)
4. Mr. Veerababu Pilli (Student)
5. Mr. M. S. Sai Kumar (Student)
6. Mr. CH. Devi Prasad (Student)

Guest lectures

The Mechanical Engineering Department has organized one day guest lecture (06-10-2021) on **Welding Process and Repairs** by A.Ravishankar, G.Manager,MTS ,Mech, Vizag steel Plant ,Hon'Secretary IIW ,Vizag Chapter



The Mechanical Engineering Department has organized one day guest lecture (09-10-2021) on **Process Planning** by A.Srinivasulu Reddy, Assoc.Prof, SV University college of Engineering



Faculty Achievements

Faculty Publications

Dr. Akilesh Kumar and Dr. Pramod Kumar, has published in SCI Journal entitled **Use of backing mediums increase penetration during TIG welding of P91 steel** in the journal of sadhana



NPTEL Certifications

Mechanical Engineering department faculty has been completed NPTEL certified courses to gain knowledge in advanced subjects of Mechanical engineering to strengthen teaching and research skills

Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
PRAMOD KUMAR
 for successfully completing the course

Theory of Production Processes

with a consolidated score of **70** %

Online Assignments	20.94/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **71**

Jul-Oct 2021
 (12 week course)

Prof. V. C. Srivastava
 Coordinator, Continuing Education Centre
 IIT Roorkee

Prof. Prii Maheshwari
 NPTEL Coordinator
 IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL21ME88544410218 To validate and check scores: <https://npTEL.ac.in/noc>

Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
V V M J SATISH CHEMBULY
 for successfully completing the course

Mechanics and Control of Robotic Manipulators

with a consolidated score of **68** %

Online Assignments	21.67/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **73**

Aug-Oct 2021
 (8 week course)

Dr. Piyush P. Kurur
 Chairman, Centre for Continuing Education
 IIT Palakkad

Prof. Andrew Thangaraj
 NPTEL Coordinator
 IIT Madras

Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
BODDETI JAGADISH
 for successfully completing the course

Biomechanics of Joints and Orthopaedic Implants

with a consolidated score of **67** %

Online Assignments	17.75/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **177**

Aug-Oct 2021
 (8 week course)

Prof. G P Raja Sekhar
 Dean, Continuing Education
 IIT Kharagpur

Prof. Debjani Chakraborty
 Coordinator, NPTEL
 IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL21ME130544410527 To validate and check scores: <https://npTEL.ac.in/noc>

Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
DR DANAIHA PULI
 for successfully completing the course

Fluid Machines

with a consolidated score of **52** %

Online Assignments	21.79/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **89**

Aug-Oct 2021
 (8 week course)

Prof. G P Raja Sekhar
 Dean, Continuing Education
 IIT Kharagpur

Prof. Debjani Chakraborty
 Coordinator, NPTEL
 IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL21ME75514410134 To validate and check scores: <https://npTEL.ac.in/noc>

Student Placements

Congratulations



P PRABHU TEJA
ACUVATE



B SIVA
ACUVATE



D H RAMA KRISHNA
ACUVATE

Sports and Games

Students of Mechanical engineering department has actively participated in different sports as part of international student's day





Surampalem, Andhra Pradesh, India
 Aditya College of Engineering & Technology, Surampalem, Andhra Pradesh 533437, India
 Lat 17.090385°
 Long 82.06663°
 17/11/21 10:35 AM



విజేతలకు బహుమతులు అందజేస్తున్న ఆదిత్య యాజమాన్యం

ఆదిత్యలో ఇంటర్నేషనల్ స్టూడెంట్స్ డే

ప్రజాశక్తి - గండేపల్లి

ఇంటర్నేషనల్ స్టూడెంట్స్ డే సందర్భంగా సూరంపాలెం ఆదిత్య ఇంజనీరింగ్ కళాశాలలో ఆటల పోటీలు నిర్వహించారు. బాలురకు కబడ్డీ, వాలీబాల్, బాలికలకు కబడ్డీ, ట్రో బాల్ పోటీలు నిర్వహించినట్లు కళాశాల

అడ్మినిస్ట్రేషన్ ఆఫీసర్ వేణుగోపాల్ తెలిపారు. ఈ పోటీలలో విజేతలకు ప్రిన్సిపాల్ డాక్టర్ టి.కె.రామకష్టరావు, డీన్ డాక్టర్ ఎ.రామకృష్ణ బహుమతులు అందజేశారు. కార్యక్రమంలో ఫిజికల్ డైరెక్టర్స్ విద్యార్థులు తదితరులు పాల్గొన్నారు.



Fri, 19 November 2021
 epaper.prajasakti.com/c/64430268



Surampalem, Andhra Pradesh, India
 Aditya College of Engineering & Technology, Surampalem, Andhra Pradesh 533437, India
 Lat 17.090385°
 Long 82.06663°
 17/11/21 11:29 AM



Surampalem, Andhra Pradesh, India
 Aditya College of Engineering & Technology, Surampalem, Andhra Pradesh 533437, India
 Lat 17.090385°
 Long 82.06663°
 17/11/21 11:28 AM

Teachers Day Celebration



Dr CH V V M J Satish, felicitated for being awarded PhD from NIT Warangal



Dr K S S Mohan, felicitated for being awarded PhD from Andhra University



Mr. M Rambabu, felicitated for his long service in the Aditya institutions



Prof. T. Srihari, delivering speech on the occasion of teacher's day



Felicitating senior professor Prof. T. Srihari, on the occasion of teacher's day



Felicitating Head of the Department Dr. P. Danaiah on the occasion of teacher's day

Batch Toppers

Students performed well in their academics and stood as toppers in the class

II B.TECH - I SEM MECHANICAL - A TOPPERS



Mr. SAKIB ALI
19P31A0313 **8.10 (SGPA)**



Mr. A R N KAUSHIK
19P31A0301 **7.88(SGPA)**



Mr. M JAYESH
20P35A0309 **7.86 (SGPA)**

II B.TECH - I SEM MECHANICAL - B TOPPERS



Mr. A PRAKASH
20P35A0358 **8.19 (SGPA)**



Mr. V VENKATESH
20P35A0350 **7.38 (SGPA)**



Mr. R SIVA
20P35A0381 **7.33 (SGPA)**

II B.TECH - I SEM MECHANICAL - C TOPPERS (2020-2021)



Mr. P KUMAR
20P35A0395 **8.12 (SGPA)**



20P35A03A8
Mr. VENKATESH 7.76 (SGPA)



Mr V HARI KUMAR
20P35A03A0 **7.6 SGPA**

IV B.TECH - II SEM MECHANIACL – A TOPPERS (2020-2021)



A N V A CH SANDEEP
18P35A0305 **9 (SGPA)**



D ANIL KUMAR
17P31A0311 **8.88 (SGPA)**



G KISHORE
18P35A0328 **8.88 (SGPA)**

IV B.TECH - II SEM MECHANIACL – A TOPPERS (2020-2021)



K SRINU
18P35A0339 **9 (SGPA)**



S S P SAI RAM
17P31A0332 **8.88 SGPA**



18P35A0343
K U V D RAO 8.75 (SGPA)

B.TECH - II SEM MECHANIACL – C TOPPERS (2020-2021)



S S PRASAD
18P35A03B7 **9.13 (SGPA)**



18P35A03A0
U CHOWDARY 9 (SGPA)



17P31A03B2
Y SATISHKUMAR 8.88(SGPA)



18P35A03B4
P R MANIKANTA 8.88 (SGPA)

IV B.TECH - II SEM MECHANIACL – D TOPPERS (2020-2021)



N DEEP
17P31A0366 **9.13 SGPA**



SK DARVESH
18P35A0385 **9.13 SGPA**



S SAI KUMAR
18P35A0386 **9 SGPA**



17P31A0367
PALLAPU RAMU SGPA 8.88

Vaccination Drive

Covid Vaccination Program for the staff and students conducted by NSS unit – Aditya college of Engineering and Technology with primary health center, Katravulapalli



Unnamed Road, Surampalem, Andhra Pradesh 533437, India

Surampalem
Andhra Pradesh
India

2021-09-28(Tue) 11:06(AM)

29°C
84°F

ఆదిత్యలో విజయవంతంగా వేక్సినేషన్

గండేపల్లి, పెన్ చవర్, సెప్టెంబర్ 28

గండేపల్లి మండలం సూరంపాలెం గ్రామంలో గల ఆదిత్య ప్రాంగణంలో మంగళవారం విశ్వేశ్వరాలయం నందు ఉ.7-00 నుండి సా.4-30వరకు 18 సంవత్సరాలు దాటిన విద్యార్థులకు, సిబ్బందికి కోవిడ్-19 మొదటి దోసు వేక్సినేషన్ కార్యక్రమం విజయవంతంగా జరిగినట్లు ఆదిత్య విద్యాసంస్థల చైర్ మన్ డా.ఎన్. సతీష్ రెడ్డి తెలియజేశారు. ఈ కార్యక్రమంలో క్యాంపస్ డైరెక్టర్ డా.ఎం. శ్రీనివాసరెడ్డి, ఆదిత్య కాలేజ్ ఆఫ్ ఇంజనీరింగ్ & టెక్నాలజీ కళాశాల ప్రెసిడెంట్ డా.టి.కె.రామకృష్ణారావు పాల్గొని వేక్సినేషన్ ప్రక్రియను వ్యవహరించారు. ఈ సందర్భంగా వక్రలు మాట్లాడుతూ ప్రతి ఒక్కరూ తప్పనిసరిగా వేక్సినేషన్ తీసుకోవాలని, రెండు డోసులు తీసుకున్నాకూడా మాస్క్ తప్పనిసరిగా ధరిస్తూ తొలికదూరం పాటించాలని అన్నారు. ఈ కార్యక్రమంలో కళాశాల ఎన్.ఎస్.ఎస్.విభాగం కో ఆర్డినేటర్ జె.శ్రీనివాస్, విద్యార్థులు సహాయంగా కాట్రావలపల్లి ప్రభుత్వ ఆసుపత్రికి చెందిన నైద్యాదితారి డాక్టర్. రాజశేఖర్ నేతృత్వంలో వేక్సినేషన్ కార్యక్రమం నిర్వహించారు. చైర్మనిచ్చింది, ఆదిత్య సిబ్బంది పాల్గొన్నారు.

