



SWARNANDHRA

College of Engineering and Technology
(Autonomous)

Seetharampuram, Narsapur, Andhra Pradesh 534280



MECHAZINE

BI - ANUAL MAGAZINE

DEPARTMENT OF MECHANICAL ENGINEERING

Editorial Members

1. Dr A Gopichand HOD- ME
2. Mr R. Sam Sukumar Assoc. Prof- ME

Student Coordinators:

1. B Asha Jyothi (17A25A0310)
2. K V V Subrahmanyam (17A21A0344)

DECEMBER - 2019

Volume 1 - Issue 2

To educate and enrich effective and responsible Mechanical Engineers to fulfill the needs of industry and society.

ABOUT THE DEPARTMENT



The department was accredited by National Board of Accreditation (NBA) in 2013 and was recognized as research centre by Jawaharlal Nehru Technological University Kakinada (JNTUK) in 2016. The Department has 31 faculty members, 2 research scholars and 16 supporting staff. The department is having highly qualified and experienced faculty in all streams of Mechanical Engineering. The faculty has been active in offering consultancy services to industries and conduct courses regularly to facilitate the continuing education of practicing engineers. About 80 research papers have been published in various International and National Journals/Conferences. The department is very well equipped with computational facilities and resources both in terms of hardware and software department has more than 180 computing systems and workstations loaded with wide range of software products covering all areas of mechanical engineering.

The Department of Mechanical Engineering was established in the academic year 2004. The Department presently offers Under-graduate study program leading to the degree of Bachelor of Mechanical Engineering and Post Graduate program M.Tech CAD/CAM. The initial intake of the department is 60 in UG Programme. Then the Department got approval for additional intake of 30 in 2008 another 30 in 2009, latter 60 more seats were added in 2015 with approval from AICTE for UG Programme. PG Programme - M.Tech. (CAD/CAM) is started in 2009 with an intake of 18. The present intake is 180 in UG and 18 in PG Programmes.



The department having DASSAULT System Lab associated with APSSDC. Experimental and computational facilities are being continuously upgraded. The Department has Association of Mechanical Engineering which is a forum for students to develop their professional skills. Students are also encouraged to take part in awareness campaigns that have social relevance. Alumni of the department have occupied very high positions at National and International level.

VISION AND MISSION

VISION

INSTITUTION

"To produce global competent, ethical and dynamic professionals by creating Centre of Excellence in Technical Education for societal empowerment."

DEPARTMENT

To educate and enrich effective and responsible Mechanical Engineers to fulfill the needs of industry and society.



MISSION



INSTITUTION

- To provide quality education with knowledge and skills for rural and urban students.
- To collaborate the industries with academia for empowering the students to meet global standards
- To induce highly ethical entrepreneurship in young minds with good leadership quality for the society
- To enhance the institution in Research and Development by human intellectual capability.

DEPARTMENT

- To lay a strong foundation of technical knowledge by concentrating on fundamental concepts of Mechanical engineering.
- To develop creative thinking and innovative methods for solving complex engineering problems.
- To develop team spirit, leadership and professional qualities.
- To strengthen research abilities in collaboration with industry.

PRINCIPAL DESK

However, let us never forget the importance of human connection in our digital age. Our college is more than just a place of learning; it is a community—a family. Let us cultivate a culture of empathy, respect, and inclusivity where every voice is heard and every individual is valued.



Dr. S. Suresh Kumar

BE,MS, M.Tech, Ph.D

PRINCIPAL

As we embark on this academic year, let us remember the words of Nelson Mandela, who said, "Education is the most powerful weapon which you can use to change the world." Together, let us harness the power of education to create a brighter, more equitable future for all. In closing, I want to express my heartfelt gratitude to each and every one of you for your dedication, passion, and unwavering commitment to our college. Together, there is no limit to what we can achieve.

“AS YOUR PRINCIPAL, I AM HERE TO SUPPORT YOU EVERY STEP OF THE WAY. WHETHER YOU NEED GUIDANCE, ENCOURAGEMENT, OR SIMPLY SOMEONE TO LISTEN, MY DOOR IS ALWAYS OPEN..”

Let's work together to make this academic year one filled with achievement, joy, and unforgettable memories

HOD DESK

The field of Mechanical Engineering is one that is constantly evolving, driven by rapid advancements in technology and changes in the global landscape.



Dr. A Gopichand

B.TECH, M.Tech, Ph.D

PROFESSOR, HOD-ME

However, our department is more than just a place of learning—it is a community—a family. It is a place where ideas are born, nurtured, and brought to fruition.

It is a place where lifelong friendships are forged, and where mentorship flourishes. Let us cherish and celebrate the diversity of perspectives, experiences, and backgrounds that enrich our departmental community.

I want to express my heartfelt gratitude to each and every one of you—faculty, staff, and students—for your dedication, passion, and unwavering commitment to our department.

AS YOUR HEAD OF DEPARTMENT, I AM COMMITTED TO PROVIDING YOU WITH THE SUPPORT AND GUIDANCE YOU NEED TO SUCCEED. I LOOK FORWARD TO WORKING WITH EACH OF YOU AND WITNESSING THE INCREDIBLE PROGRESS WE WILL MAKE TOGETHER.

Wishing you all the best for a successful and rewarding year ahead.

PAPERS PUBLICATIONS

Faculty publications contribute significantly to the academic landscape by disseminating new knowledge, advancing research frontiers, and fostering intellectual discourse. Here are some key ways in which faculty publications make important contributions

S. No	Name of the Faculty	Paper Title	Published Under	ISSN	Volume/Date
1	Dr. A. Gopi Chand	Design and analysis of sandwich pipe for different core shapes	IRJET	2395-0056	V6/ Aug 2019
2	Dr. A. Gopi Chand	Effect of Moisture on Vibration Characteristics of SMA Particulate Reinforced Epoxy Matrix Composite	IJETT	2231-5381	V67/June 2019
3	Dr. A. Gopi Chand	Fabrication and Static Analysis of Human Ear	IJR	2236-6124	V8/JUNE 2019
4	Dr. A. Gopi Chand	ANN Modeling and analysis of Friction welding AA6061 Aluminum alloy	ICMPC	2214-7853	V6/March 2019
5	Mr.P.Satyanarayana Raju	Design and analysis of sandwich pipe for different core shapes	IRJET	2395-0056	V6/ Aug 2019
6	Mr Ch Harish Kumar	Design and analysis of sandwich pipe for different core shapes	IRJET	2395-0056	V6/ Aug 2019
7	Mr. N. V. S. Shankar	Effect of Moisture on Vibration Characteristics of SMA Particulate Reinforced Epoxy Matrix Composite	IJETT	2231-5381	V67/June 2019
8	Mr. K. Balaji	ANN Modeling and analysis of Friction welding AA6061 Aluminium alloy	ICMPC	2214-7853	V6/March 2019
9	Mr. V Murali	ANN Modeling and analysis of Friction welding AA6061 Aluminium alloy	ICMPC	2214-7853	V6/March 2019

WORKSHOPS/FDP ATTENDED BY FACULTY

OBJECTIVE

The primary is to enhance the professional capabilities of educators, equipping them with the knowledge, skills, and strategies necessary to excel in their roles as teachers, mentors, and leaders. Through a diverse array of workshops, seminars, and interactive sessions, we have explored innovative teaching methodologies, pedagogical best practices, and the latest trends in education.

S. No	Name of the Faculty	Program	Program Description	Organized by
1	Dr. A. Gopi Chand	International Conference	International conference on intelligent manufacturing and energy sustainability	Mallareddy College of Engineering and Technology, Secunderabad
2	Mr. B.Mahesh Krishna	WORK SHOP	Research Problems in Materials and Manufacturing	Sri Vishnu Engineering College for Woman, Bhimavaram
3	Dr. R. L Narayana	Contest	Asian E-Bike & Pro-Kart Challenge	Raghu Egg. College
4	Dr. A. Gopi Chand	FDP	Product Re-Engineering	Gayatri Vidya Parishad College, Visakhapatnam
5	Dr. R. L Narayana	WORK SHOP	Computational Fluid Dynamics – CFD using ANSYS Fluent	VSM College, Ramachandrapuram
6	Dr. A. Gopi Chand	WORK SHOP	Computational Fluid Dynamics – CFD using ANSYS Fluent	VSM College, Ramachandrapuram
7	Mr. N. Bulli Raju	WORK SHOP	Computational Fluid Dynamics – CFD using ANSYS Fluent	VSM College, Ramachandrapuram
8	Mr. K. Balaji	WORK SHOP	Computational Fluid Dynamics – CFD using ANSYS Fluent	VSM College, Ramachandrapuram
9	Mr. K. H Rao	WORK SHOP	Computational Fluid Dynamics – CFD using ANSYS Fluent	VSM College, Ramachandrapuram
10	Mr. V Murali	WORK SHOP	Computational Fluid Dynamics – CFD using ANSYS Fluent	VSM College, Ramachandrapuram
11	Mr Ch Harish Kumar	WORK SHOP	Computational Fluid Dynamics – CFD using ANSYS Fluent	VSM College, Ramachandrapuram

WORKSHOPS/FDP ATTENDED BY FACULTY

S. No	Name of the Faculty	Program	Program Description	Organized by
12	Dr. R Sanjeev Kumar	International Conference	International Conference Technology convergence in engineering, energy and sustainability	Vimal jyothi Engineering College, Kannur, kerala
13	Mr. N V S Shankar	Faculty Development Program	Applied robotics control lab faculty development program 2.0	VITAP, Guntur
14	Dr. G. Robert Singh	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
15	Dr. R Sanjeev Kumar	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
16	Mr. K. Balaji	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
17	Mr.P.Satyanarayana Raju	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
18	Mr. B.Mahesh Krishna	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
19	Mr. N. Bulli Raju	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
20	K Hanumantha Rao	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
21	Mr Ch Harish Kumar	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
22	Mr. V Murali	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
23	M Padmalatha	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
24	K Phani Teja	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
25	M Veera raju	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
26	G G Mary	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram
27	V Kula Sekhar Reddy	Faculty Development Program	Product Design Engineering Using Fusion 360	SCET, Seetaramapuram

"THE JOURNEY OF A THOUSAND MILES
BEGINS WITH A SINGLE STEP."
- LAO TZU

"EDUCATION IS NOT PREPARATION
FOR LIFE; EDUCATION IS LIFE ITSELF."
- JOHN DEWEY

ACADEMIC TOPPERS



our success is a result of your dedicated hard work and commitment. We wish you all the best to achieve all the goals you have set for yourself in career and life and for all your future endeavors.



COLLEGE TOPPER

NAME: K SAI SWARNA SRI
H.T NO: 15A21A0344
CGPA: 9.47



7th Semester Topper

NAME: NALLA SATYARAJ
CGPA: 9.14



5th Semester Topper

NAME: DGUDURI D P S HARI RAJU
H.T NO: 18A25A0312
CGPA: 8.91



3rd Semester Topper

NAME: POLISETTI RAMESH NAIDU
H.T NO: 19A25A0338
CGPA: 9.70

Congratulations.

PLACEMENTS



- FORTY STUDENTS GOT SELECTED IN VARIOUS COMPANIES LIKE TCS, TATA STRIVE AND FULL HOUZZ PVT. LTD..

IMPORTANT EVENTS

- TWO WEEK TRAINING PROGRAM ON" DASSULT 3D EXPERIENCE" FOR V AND VII SEMESTER STUDENTS FROM 26TH JUNE TO 11TH JULY 2019 AND 03RD NOVEMBER TO 14TH NOVEMBER 2019BY MR. RANADHEER YADHAV, APSSDC
- FDP ON" ROBO STUDIO" FROM 11TH TO 15RD NOVEMBER 2019 BY MR. MANOJ KUMAR, APSSDC.

FACULTY FOCUS

- DR.A. GOPICHAND AWARDED AS DISTINGUISHED PROFESSOR UNDER THE CATEGORY “HEI PROFESSOR” FROM AUROPATH GLOBAL AWARDS 2019 ON 2ND NOVEMBER 2019.
- DR.R.LALITHA NARAYANA HAS BEEN AWARDED PHD ON THE TOPIC“EXPERIMENTAL INVESTIGATION ON PERFORMANCE OF SOLAR STILL IN COASTAL CLIMATIC CONDITIONS” FROM JNTUK KAKINADA IN AUGUST 2019



Gallery



FDP on” Product Design Engineering Using Fusion 360” from 19th to 23rd august 2019 by Mr.P Kranthi Kumar, ICT Academy, Chennai.

A guest lecture on “The Gateway to your bright future” for VI and VII semester students by Dr. B S V Prasad Patnaik Professor, Dept. of Applied Mechanics, IIT Madras on 25th November 2019.



Workshop on “Advanced Robotics and AI” on 04-07-2019 Organized by Assemtica Robotics & association, Benz circle vijayawada

Inaugural of Advanced Robotic Program ARC 1.0 program in our college on 22-07-19

