SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

«««««MECH VIBES NEWS LETTER»»»»»

ISSUE 2| APRIL 2023| VOL 10

Contents:

Workshop Organized By Department

A Workshop is organized on NDT methods for final year students from 16-03-2023 to 17-03-2023 by J.Sandeep,Senior Manager, Hyderabad

GUEST LECTURES Organized By Department

S.no	Date	Title	Cordinator	Resource person
1	16-02-2023	Guest lecture on "Motion Analysis of robot's "	Ch.Anusha	Mr. K kalyankumar" Axicades technologies.
2	16-02-2023	Guest Lecture on "Improvements in casting methods"	D.Khyathimai	Mr. K kalyankumar" Axicades technologies.
3	12-02-2023	Guest Lecture on "Transformations in solid state"	D KiranBabu	G.Leela Siva Ram Prasad,AssistantProfessor,DJR College

FDP'S ATTENDED BY FACULTY

`	Name of the Faculty	Institution/Organization	Name of the Topic	Date
1	K.Sukumar	AICTE	Inculating Universal Human Values In Technicval Education	02/1/2023 To 6/1/2023
2	Ch.Anusha	G.Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage &Coversion	23/1/2023 To 27/1/2023
3	Dr.D Raja Ramesh	G. Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage & Conversion	23/1/2023 To 27/1/2023

4	V.Satish Kumar	G. Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage & Conversion	23/1/2023 To 27/1/2023
5	Ch.Anusha	NPTEL-AICTE	Principles Of Casting Technology	Jan-mar 2023
6	Ch.Anusha	S R Gudlavalleru Engineering College	Applications Of Ai,ml Mechanical Engineering	6/3/2023 To 10/3/2023
7	D.Khyathimai	S R Gudlavalleru Engineering College	Applications Of AI,ML Mechanical Engineering	6/3/2023 To 10/3/2023
8	D.KiranBabu	S R Gudlavalleru Engineering College	Applications Of AI,ML Mechanical Engineering	6/3/2023 To 10/3/2023
9	P. Vijay Kanth	G. Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage & Conversion	23/1/2023 To 27/1/2023
10	K Ravi	G. Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage & Conversion	23/1/2023 To 27/1/2023
11	V.Sai Mounica	G. Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage & Conversion	23/1/2023 To 27/1/2023
12	D.Khyathimai	G. Pulla Reddy Engineering College	Recent Advancements In Sustainable Energy Storage & Conversion	23/1/2023 To 27/1/2023

Congratulations to Our Esteemed Faculty Members

We extend our heartfelt congratulations to the faculty members for successfully attending the **Faculty Development Programme (FDP)**. Your active participation in such academic enrichment programs reflects your commitment to continuous learning and dedication to academic excellence.

By engaging in FDPs, you not only enhance your own knowledge and skills but also contribute significantly to the growth and quality of our institution. Your efforts to stay updated with the latest developments in teaching and research are truly commendable.

Wishing you continued success and many more milestones in your professional journey!

FACULTY PUBLICATIONS

We are proud to congratulate our faculty members for their outstanding contributions to research and innovation. Their dedication to academic excellence is reflected in the successful publication of multiple research papers in the **UGC CARE Group I Journal – *Dogo Rangsang Research Journal*** (ISSN: 2347-7180, February 2023).

We applaud their commitment to research and academic growth, and we encourage all faculty members to continue pursuing excellence in their scholarly endeavors.

S.No	Name Of The Faculty	Title Of The Paper	Name Of The Journal	Volume , Issue No& Page No
1	Dr D.Raja Ramesh	Analysis of Composite Leaf Spring	Dogo Rangsang Research Journal	February 2023
2	Dr D.Raja Ramesh	Fabrication And Analytical Analysis of Biogas Digester	Dogo Rangsang Research Journal	February 2023
3	Dr D.Raja Ramesh	Modeling And Analysis of Grain Bagging Through Vacuum Machine	Dogo Rangsang Research Journal	February 2023
4	Dr D.Raja Ramesh	Modeling & Fabrication of E-Baby Cradle System	Dogo Rangsang Research Journal	February 2023
5	Dr D.Raja Ramesh	Fabrication & Analysis of Electro Magnetic Braking System	Dogo Rangsang Research Journal	February 2023
6	Mr. K. Sukumar	Fabrication And Analytical Analysis of Biogas Digester	Dogo Rangsang Research Journal	February 2023
7	Mr. K. Sukumar	Modeling & Fabrication of E-Baby Cradle System	Dogo Rangsang Research Journal	February 2023
8	Mrs.Ch. Anusha	Modeling And Analysis of Grain Bagging Through Vacuum Machine	Dogo Rangsang Research Journal	February 2023
9	Mrs.Ch. Anusha	Fabrication & Analysis of Electro Magnetic Braking System	Dogo Rangsang Research Journal	February 2023

STUDENT PUBLICATIONS

We proudly extend our warmest congratulations to our dedicated students and their faculty guides for achieving the remarkable milestone of publishing research papers in the UGC CARE Group I Journal – Dogo Rangsang Research Journal (ISSN: 2347-7180, February 2023).

S.No	Name of the Students	Name Of The Faculty Guide	Title Of The Paper	Name Of The Journal
1	V.Bhavani Sankar, Petla Tarun Teja, Gorla Kond Raju	Dr D.Raja Ramesh	Analysis of Composite Leaf Spring	Dogo Rangsang Research Journal
2	M.Rohith Kumar, S.Datta Kalyan, Ch.Manikanta Balaji	Dr D.Raja Ramesh & Mr. K. Sukumar	Fabrication And Analytical Analysis of Biogas Digester	Dogo Rangsang Research Journal
3	P.Venkata Reddy, B.Kali Krishna, G.Venkata Rajesh, K.Pavan Kumar	Dr D.Raja Ramesh & Mrs.Ch. Anusha	Modeling And Analysis of Grain Bagging Through Vacuum Machine	Dogo Rangsang Research Journal
4	Mohammad Momin, V.Prem Sai Srinivas, K. Lakshmi Pranay, P.Harsha Vardhan	Dr D.Raja Ramesh & Mr. K. Sukumar	Modeling & Fabrication of E-Baby Cradle System	Dogo Rangsang Research Journal
5	Arepalli Siva Sai, P.Mohan, Parise Rakesh, K. Lakshmi Pathi	Dr D.Raja Ramesh & Mrs.Ch. Anusha	Fabrication & Analysis of Electro Magnetic Braking System	Dogo Rangsang Research Journal

ALUMNI INTERACTION

We are pleased to share that an Alumni Interaction Session was organized on 31st March 2023 for III Year B.Tech Mechanical Engineering students.

Mr. A. Bharani, a proud alumnus of the 2020 Mechanical Engineering batch, currently working as HR - Compliance at SINGU Group, interacted with the students and shared his valuable industrial experience and career insights.

It was a moment of pride to witness our alumnus guiding current students with practical knowledge, motivation, and tips for career planning. Mr. Bharani also shared his journey of being selected through an off-campus drive, encouraging students to stay prepared and open to all opportunities.

Such interactions play a vital role in bridging the gap between academic learning and industry expectations. We thank Mr. Bharani for his time and valuable contributions to the growth of our students.

ASSOCIATION DAY CELEBRATIONS

The Mechanical Engineering Department proudly organized Mechanical Association Day on 27th March 2023, with the aim of enhancing the technical and analytical skills of students to strengthen their academic and professional careers.

The event featured a series of interactive and skill-based competitions, including:Technical JAM,Paper Presentation,Poster Presentation,Technical Quiz,Engine Assembly,CATIA 3D Drawing,Aptitude & Reasoning,Technical GATE,CAD Mania

These events provided a dynamic platform for students to showcase their talents, exchange ideas, and engage in healthy technical competition.

On this festive occasion, the department honored the winners and runners-up across all events by distributing a total of 42 prizes, recognizing their achievements and encouraging active participation.

The event was a resounding success, fostering both team spirit and technical excellence among the students.

SEMINAR

A seminar on National Intellectual Property Awareness Mission (NIPAM) was conducted **on** 23rd January 2023**,** under the aegis of the Intellectual Property Office and Ministry of Education's Innovation Cell, India**.** The seminar aimed at enhancing awareness about **Intellectual Property Rights (IPR)** among faculty and academic institutions.

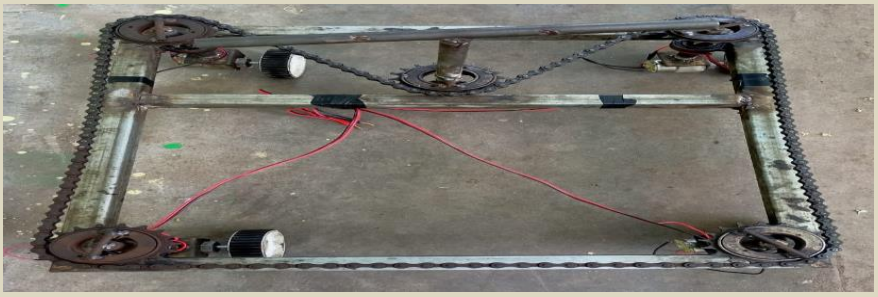
The following faculty members from the Department of Mechanical Engineering actively participated in the seminar:

S.No	Name of the Faculty	Institution/Organization	Name of the Topic	Date
1	Dr.D.RAJA RAMESH	INTELLECTUAL PROPERTY OFFICE AND MOE'S INNOVATION CELL, INDIA	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	23/01/2023
2	K. SUKUMAR	INTELLECTUAL PROPERTY OFFICE AND MOE'S INNOVATION CELL, INDIA	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	23/01/2023
3	Ch. ANUSHA	INTELLECTUAL PROPERTY OFFICE AND MOE'S INNOVATION CELL, INDIA	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	23/01/2023
4	D.KHYATHIMAI	INTELLECTUAL PROPERTY OFFICE AND MOE'S INNOVATION CELL, INDIA	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	23/01/2023
5	D. KIRAN BABU	INTELLECTUAL PROPERTY OFFICE AND MOE'S INNOVATION CELL, INDIA	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	23/01/2023

The session provided valuable insights into the significance of protecting intellectual property and encouraged innovation and creativity in the academic space. The department appreciates the proactive involvement of its faculty in contributing to the institutional knowledge ecosystem.

PROJECTS (2022-23)

S.No	Projects
1	FABRICATION OF SOLAR BASED ROBOTIC ARM CONTROLLED BY ANDROID PHONE
2	FABRICATION OF ZERO TURN FOUR WHEEL VEHICLE
3	MODELING, ANALYSIS AND FABRICATION OF EIGHT LEGS WALKING ROBOT
4	FABRICATION AND TESTING OF HYBRID COMPOSITE MATERIALS BY USING SISAL, BASALT AND CAMEL HAIR FIBERS WITH 10% TITANIUM OXIDE POWDER
5	FABRICATION OF PADDY TRANSPLANTER MACHINE
6	FABRICATION OF ALCOHOL DETECTION AND MOTOR LOCKING SYSTEM BY USING ARDINO SENSOR
7	OPTIMIZATION OF PROCESS PARAMETERS ON CNC LATHE TURNING MACHINE FOR STAINLESS STEEL USING TAGUCHI TECHNIQUE
8	FABRICATION OF MULTI PURPOSE VOICE CONTROLLED ROBOT BY USING PYTHON PROGRAMMING LANGUAGE
9	FABRICATION OF PADDY THRESHING MACHINE



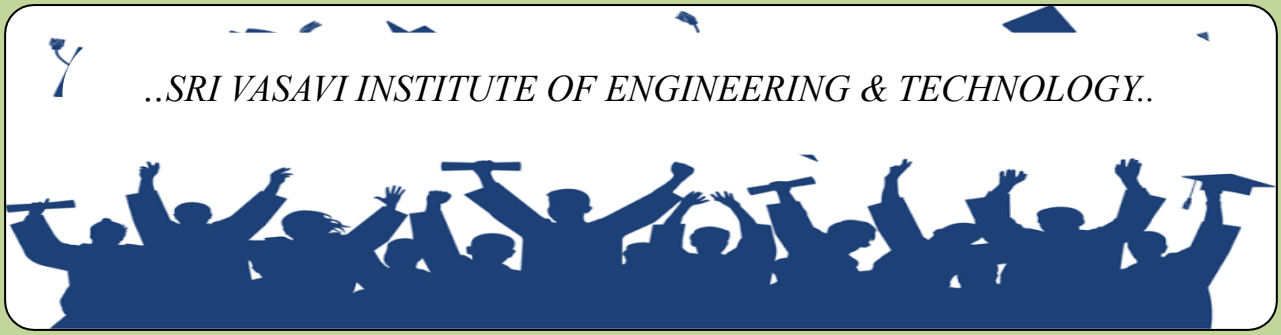
Fabrication Of Zero Turn Four Wheel Vehicle

Modeling, Analysis And Fabrication Of Eight Legs Walking Robot

Motivational Quotes

- Every human is in the process of becoming divine.... Collaborating with natures plan is all you need to do.

.....Empowering Minds



.....MECH VIBES NEWS LETTER.....

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EDITORIAL BOARD

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DEPARTMENT VISION, MISSION, PEOs & PSOs

DEPARTMENT VISION

To become a global knowledge hub of mechanical engineering fulfilling the industry and society needs with ethical practices.

DEPARTMENT MISSION

DM1: Provide quality education for global requirements.

DM2: Improve pedagogical methods employed in delivering the academic programmes.

DM3: Enhance the knowledge, skill by industry- institution interaction

DM4: Cultivate the spirit of entrepreneurship with the sense of ethical, professional responsibility.

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

Graduates of Mechanical Engineering will be able to

PEO1: Get good job opportunities or pursue higher studies

PEO2: Exercise latest techniques to get solutions to industrial/engineering problems.

PEO3: Gain the knowledge of other fields of engineering continuously to grab more opportunities

PEO4: Establish as entrepreneurs with continuously leaning, professionalism, managerial skills, social responsibilities and ethical practices.

PROGRAM SPECIFIC OUTCOMES (PSO's)

PSO1. **SKILLS FOR SUCCESSFUL CAREER**: Able to apply engineering knowledge to get through the competitive examinations for employment/higher studies.

PSO2. **PROBLEM SOLVING SKILLS**: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society

BMW RNine T

- Model - BMW R nine T
- Model year - 2023
- Category - Sport

In 2023, BMW Motorrad expanded its heritage lineup with the introduction of the BMW R 12 nineT, launched alongside the R 12 model. This modern classic blends the timeless appeal of traditional motorcycle styling with innovative technology and customization flexibility.

Built around BMW's iconic boxer engine, the R 12 nineT offers riders a powerful and engaging experience. The motorcycle features a 1,170cc four-stroke, two-cylinder, liquid-cooled engine, producing an impressive 109 horsepower at 7,000 rpm and 115 Nm (85 lb-ft) of torque at 6,500 rpm.

With its modular design, the R 12 nineT allows extensive personalization, making it ideal for riders who value both performance and individuality. This model embodies BMW's commitment to craftsmanship, modern engineering, and classic motorcycle spirit—all in one premium package.

EHS

Environmental Health and Safety (EHS) is a vital, multidisciplinary field dedicated to the protection of human life, environmental integrity, and physical property from potential hazards. It integrates principles of health sciences, environmental management, engineering, and regulatory compliance to create safer workplaces and communities.. It encompasses a wide range of practices and principles aimed at:

Minimizing risks: EHS aims to reduce negative impacts on employees, the public, and the environment from workplace hazards and operations.
Promoting sustainable practices: It involves implementing measures to preserve health and safety in various settings, including worksites and communities.
Regulatory compliance: EHS includes adhering to regulations and standards related to environmental impacts and workplace safety.

Overall, EHS is essential for ensuring a safe and healthy environment for everyone.

GUEST LECTURES

To enhance students' academic knowledge and expose them to advanced technical concepts, the **Department of Mechanical Engineering** successfully conducted a series of **guest lectures** during the academic year. These sessions were designed to provide deeper insights into specialized topics by engaging experienced professionals and academicians from reputed institutions. The department extends its sincere gratitude to all the resource persons and coordinators for their contributions to the successful execution of these knowledge-enriching events.

S.NO	Title	Cordinator	Resource person	Title
1	22-12-2022	Guest Lecture on Variation of velocity and acceleration of piston on velocity,acceleration of water in pipes	K.Sukumar	Dr.M.Srinivas, Professor, Helapuri
2	11-11-2022	Guest Lecture on Advances in manufacturing	D Kiran Babu	Dr.B. Amar Nagendram Professor, D.M.S.S.V.H.
3	9-11-2022	Guest Lecture on failure modes of sandwich panels	T.Durga Prasad	P.Siva Naga Sree, Assistant Professor, D.M.S.S.V.H.

INDUSTRIAL VISIT

The Department of Mechanical Engineering organized an industrial visit to Vijayawada Thermal Power Station (VTPS) on 7th November 2022. The visit was coordinated by Mr. K. Sukumar and saw the participation of 40 students.

This visit provided students with practical exposure to thermal power generation, offering insights into:

- Operation and maintenance of thermal power plants
- Boiler systems, turbines, and condensers
- Control room operations and safety measures
- Energy conversion and efficiency techniques.

FDPs Attended by Faculty

S.No	Name of the Faculty	Institution/Organization	Name of the Topic	Date	No. of Days
1	Dr. D. Raja Ramesh	C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
2		KKR& KSR Institute Of Technology And Sciences	Applications Of AI,ML And Data Science	12/12/2022 to 17/12/2022	6
3	Dr. MD Abid Ali	C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
4	Mr. K. Sukumar	C V R College Of Engineering	Engineering Drawing Through Auto CAD	10/11/2022 to 15/11/2022	6
5		C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
6	Mrs.Ch.Anusha	C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
7		KKR& KSR Institute Of Technology And Sciences	Applications Of AI,ML And Data Science	12/12/2022 to 17/12/2022	6
8		Vasireddy Venkatadri Institute Of Technology	Innovations In Mechanical Engineering	26/12/2022 to 30/12/2022	5
9	Mr. V. Satish Kumar	C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
10		KKR& KSR Institute Of Technology And Sciences	Applications Of AI,ML And Data Science	12/12/2022 to 17/12/2022	6
11	Mr. G.S.N. Phani Kumar	C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
12	Mr. D. Kiran Babu	Vasireddy Venkatadri Institute Of Technology	Innovations In Mechanical Engineering	26/12/2022 to 30/12/2022	5
13		C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
14	Ms.D.Khyathimai	KKR& KSR Institute Of Technology And Sciences	Applications Of AI,ML And Data Science	12/12/2022 to 17/12/2022	6
15		C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
16		KKR& KSR Institute Of Technology And Sciences	Applications Of AI,ML And Data Science	12/12/2022 to 17/12/2022	6
17	Mrs. V. Sai mounica	C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7
18	Mr. K Ravi	KKR& KSR Institute Of Technology And Sciences	Applications Of AI,ML And Data Science	12/12/2022 to 17/12/2022	6
19	Mr. P. Vijay Kanth	C V R College Of Engineering	Publications, Projects And Patents	28/11/2022 to 4/12/2022	7

Ayudha Pooja Celebrations

The Department joyfully celebrated **Ayudha Pooja**, a traditional festival that honors tools, instruments, and equipment, symbolizing the dignity of labor and the importance of knowledge and work.

The celebration was marked by a beautifully decorated altar featuring **a vibrant leaf backdrop with a floral depiction of Lord Ganesha**, traditional **Goddess idol**, and various pooja items including coconuts, fruits, and sweets. The space was adorned with garlands, turmeric, kumkum, and lamps, creating an atmosphere of devotion and cultural richness.

Faculty, staff, and students gathered to offer prayers, seeking blessings for **prosperity, safety, and success in their academic and professional endeavors**. The event reflected unity, tradition, and reverence for tools that empower learning and innovation.

Ravan Idol

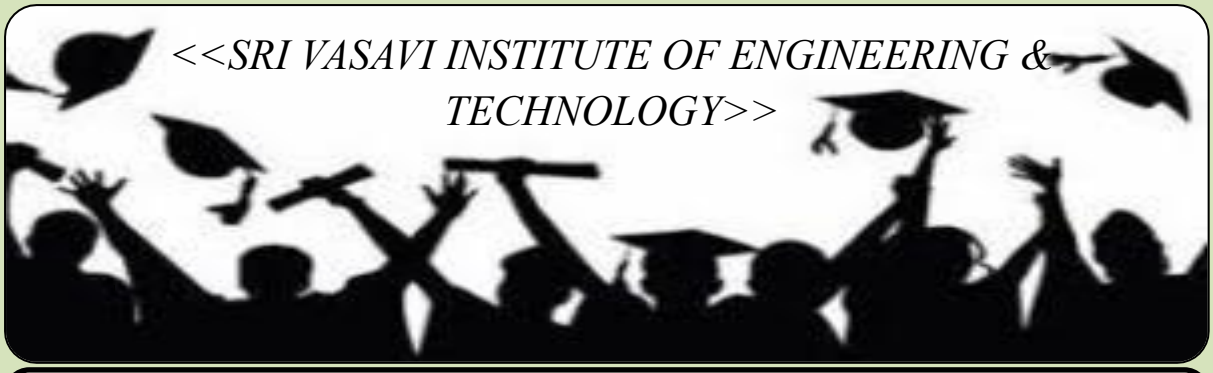
As part of the vibrant Dussehra celebrations, the students showcased their creativity and teamwork by constructing an impressive effigy of Ravana, symbolizing the victory of good over evil. The large idol, complete with Ravana's iconic ten heads, traditional attire, and sword, stood tall as a central highlight of the event.

The activity not only reflected the artistic skills and cultural enthusiasm of the students but also served as a meaningful reminder of moral values and festive traditions. The event brought together students and faculty in a spirit of joy, collaboration, and devotion, creating memories that will be cherished for years to come.

MOTIVATIONAL QUOTE

- "Success usually comes to those who are too busy to be looking for it."
- "If you are not willing to risk the usual, you will have to settle for the ordinary."

…….Empowering Minds



MECH VIBES NEWS LETTER

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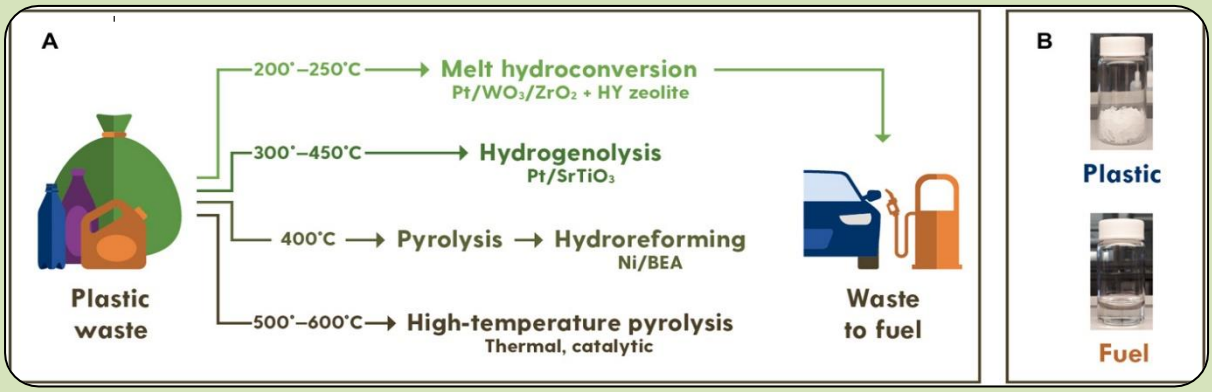
Innovative Engineering Solutions for a Sustainable and Efficient Future

1. FUEL FROM PLASTIC WASTE



Plastics are inexpensive and durable and as a result levels of plastic production by humans are high. However the chemical structure of most plastics renders them to resistance to many natural processes of degradation and as a result they are slow to degrade together these two factors have led to a High prominence of plastic Pollution in the environment millions of animals are killed by plastics every year but there are many ways we can reduce plastic pollution by converting waste plastic into useful resource.

2. MECANUM WHEELS

Mecanum wheel-fitted robots or industrial machines can make a 180 degree turn without taking much space, where as a normal forklift takes a lot of space and time to achieve the same task consider this perfect sideward movement of mecanum wheeled machines this would be tedious to achieve using normal wheels. Mecanum wheeled machines achieve all these crazy movements but their wheels never tilt. This brilliant design the brilliance of the mecanum wheel is that it can produce a driving force at an angle of 45 degrees even though it rolls like a normal wheel. you can see clearly how the driving force is generated when a spinning wheel slowly touches the ground the frictional force generated due to the movement of the wheel makes.

Faculty Publication

S.No	Name Of The Faculty	Title Of The Paper	Name Of The Journal	Volume , Issue No& Page No	Issn Number And Year Of Publication
1	Dr D.Raja Ramesh	Prediction of Tensile shear fracture Load of friction stir Spot welded AA2024 – T3/ HCS Dissimilar Joints	Journal of Nano Materials	Volume 2022, 1-9	1687-4110 & 1687-4129 May 2022

Congratulations to Dr. D. Raja Ramesh sir on Research Publication in a Reputed Journal. Hearty congratulations to Dr. D. Raja Ramesh, for his remarkable contribution to research through the publication of his paper titled "Prediction of Tensile Shear Fracture Load of Friction Stir Spot Welded AA2024–T3 / HCS Dissimilar Joints"in the prestigious Journal of Nano Materials, Volume 2022, Pages 1–9, published in May 2022 (ISSN: 1687-4110 & 1687-4129).

This publication highlights his excellence in the field of materials and welding technologies and brings great recognition to our institution.

We commend his dedication to high-quality research and wish him continued success in future endeavors.

FDPs attended by the faculty

Congratulations to Faculty Members for Participating in FDP on Emerging Trends in Mechanical Engineering

We extend our heartfelt congratulations to the following faculty members for successfully participating in the Faculty Development Programme (FDP) on "Emerging Trends in Mechanical Engineering" organized by Seshadri Rao Gudlavalleru Engineering College from 20th June 2022 to 25th June 2022:

- Mr. P. Bhargava Kumar
- Mr. PSRK Nageswara Rao
- Mr. K. Sukumar
- Mrs. Ch. Anusha
- Mr. P. Vijaya Kanth

Your active participation in this FDP reflects your commitment to continuous learning and staying updated with advancements in the field of Mechanical Engineering. We appreciate your efforts and dedication towards academic and professional growth.

Wishing you continued success in your future endeavors.

S.No	Name of the Faculty	Institution/Organization	Name of the Topic	Date
1	Mr. P. Bhargava Kumar	SeshadriRao Gudlavalleru Engineering college	EmergingTrends in Mechanical Engineering	20.06.2022 To 25.06.2022
2	MrPSRK Nageswara Rao	SeshadriRao Gudlavalleru Engineering college	EmergingTrends in Mechanical Engineering	20.06.2022 To 25.06.2022
3	Mr K. Sukumar	SeshadriRao Gudlavalleru Engineering college	EmergingTrends in Mechanical Engineering	20.06.2022 To 25.06.2022
4	Mrs. Ch. Anusha	SeshadriRao Gudlavalleru Engineering college	EmergingTrends in Mechanical Engineering	20.06.2022 To 25.06.2022
5	Mr. P.Vijaya kanth	SeshadriRao Gudlavalleru Engineering college	EmergingTrends in Mechanical Engineering	20.06.2022 To 25.06.2022

WORKSHOP

Two day workshop on designing solar pv systems

A two-day workshop on "Designing Solar PV Systems" was conducted from 20th May 2022 to 21st May 2022, aimed at enhancing the knowledge and skills of participants in the field of solar energy and photovoltaic system design.

The session was effectively handled by Mr. B. Purushotham, Manager, Greenvion Energy Technologies, Hyderabad, who shared valuable insights on the design, installation, and performance optimization of solar PV systems.

The workshop provided hands-on knowledge and practical exposure, contributing to the participants' understanding of renewable energy systems and their real-world applications.

S.no	Date	Title	Coordinator	Resource person
1	20-05-2022 to 21-05-2022	Two day workshop on designing solar pv systems	P. Bhargava Kumar	B. Purushotham Manager, Greenvion Energy technologies, Hyderabad

GUEST LECTURE

GUEST LECTURE ON ELECTRICAL SYSTEMS IN AUTOMOBILES

The guest lecture was conducted on electrical systems in automobiles . The speaker illustrated the students on the importance of electrical systems in automobiles. The students got knowledge on various electrical systems and their requirements in automobiles. The speaker threw light on the working of various electrical parts viz. battery, motor. Etc

S.no	Date	Title	Coordinator	Resource person
1	10-5-2022	Guest Lecture on Electrical systems in Automobiles	S Venkata Reddy	Dr.A.Rangababu Professor GEC

PLACEMENTS (2021-22)

Hearty Congratulations to All Selected Students!

We are proud to congratulate all the students who have been successfully selected through campus placements. Your hard work, dedication, and perseverance have paid off, and this achievement marks a significant milestone in your professional journey.

Your success not only brings pride to you and your families but also reflects the excellence of our institution. We wish you all the very best as you step into the corporate world and begin this exciting new chapter in your careers.

Keep striving, keep shining!

List of 2021-2022 Batch Students Placed

S.No	REG.NO	NAMEOF THE STUDENT	COMPANY NAME
1	18MQ1A0316	YENDURI JYOTHIK	MEIL
2	18MQ1A032	K Rajesh	Satven
3	19MQ5A0309	GOPISETTY VENKATA RAJESH	Wipro
4	19MQ5A0322	MD MOMMIN	Wipro
5	18MQ1A0311	PARISE RAKESH	CADMAXX
6	19MQ5A0304	A.VEDA NAVADHEER	CADMAXX
7	19MQ5A0305	BANDI NAGA SAI PRATAP	BEL
8	19MQ5A0307	CHILLIMUNTHA MANIKANTA BALAJI	Valethhightech composites
9	19MQ5A0311	GORLA KOND RAJU	CADMAXX
10	19MQ5A0312	GURUVINDA PALLI SUDHEER	HYUNDAI MOTORS
11	19MQ5A0323	M.ROHITH KUMAR	DIVIS LABORATORY
12	19MQ5A0327	PERISETTI MOHAN NAGA VENKATA KUMAR	CADMAXX
13	19MQ5A0329	SANKULA SATISH KUMAR	KIRBY BUILDING

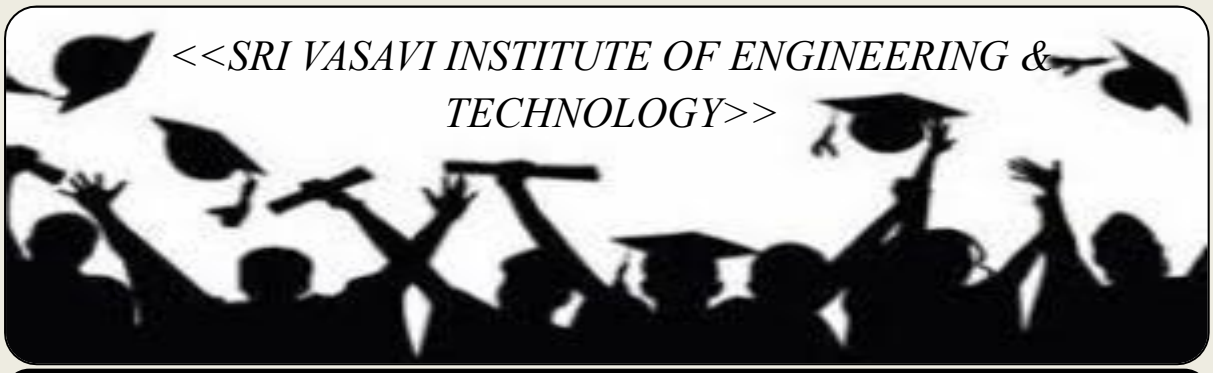
14	19MQ5A0336	V.PAVAN KUMAR	MATERNA IPS INDIA PRIVATE LIMITED
15	19MQ5A0306	CHEELI VENKATA NARESH CHANDU	CADMAXX
16	18MQ1A0303	CHALLAGOLLA SAI KARTHIK	Aadhyanth textiles india Private limited
17	18MQ1A0305	KAGITHA LAKSHMI PATHI	Aadhyanth textiles india Private limited
18	18MQ1A0307	KATAKAM PAVAN KUMAR	Aadhyanth textiles india Private limited
19	18MQ1A0308	KATREDDI VENKATA SAI RAM	criztone technology private limited
20	18MQ1A0310	ORUGANTI VENKATA RAM PRASAD	criztone technology private limited
21	18MQ1A0313	PUPPALA HEMA NAGA SATYA SAI	criztone technology private limited
22	18MQ1A0315	YARLAGADDA SAI KIRAN	NIYO FARM TECH PRIVATE LIMITED
23	19MQ5A0314	JUJJUVARAPU VENKATA SAI	NIYO FARM TECH PRIVATE LIMITED
24	19MQ5A0315	KATURI LAKSHMI PRANAY	ALIEN INNOVATIONS Private limited
25	19MQ5A0316	KATURI RAJESH	ALIEN INNOVATIONS Private limited
26	19MQ5A0317	K.SAIRAM	Manjha Technologies pvt ltd
27	19MQ5A0328	PETLA TARUN TEJA	Manjha Technologies pvt ltd
28	20MQ5A0320	PEDDI NAGA BALAJI	Manjha Technologies pvt ltd

MOTIVATIONAL QUOTES

No one are the permanent in our lives everybody has Their own destiny's but admiring them is the pure form of love.

…….Empowering Minds

MECH VIBES



<<<<<NEWS LETTER>>>>>

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EDITORIAL BOARD

CONTENTS

DEPARTMENT VISION, MISSION, PEOs & PSOs

DEPARTMENT VISION

To become a global knowledge hub of mechanical engineering fulfilling the industry and society needs with ethical practices.

DEPARTMENT MISSION

DM1: Provide quality education for global requirements.

DM2: Improve pedagogical methods employed in delivering the academic programmes.

DM3: Enhance the knowledge, skill by industry- institution interaction

DM4: Cultivate the spirit of entrepreneurship with the sense of ethical, professional responsibility.

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

Graduates of Mechanical Engineering will be able to

PEO1: Get good job opportunities or pursue higher studies

PEO2: Exercise latest techniques to get solutions to industrial/engineering problems.

PEO3: Gain the knowledge of other fields of engineering continuously to grab more opportunities

PEO4: Establish as entrepreneurs with continuously leaning, professionalism, managerial skills, social responsibilities and ethical practices.

PROGRAM SPECIFIC OUTCOMES (PSO's)

PSO1. **SKILLS FOR SUCCESSFUL CAREER**: Able to apply engineering knowledge to get through the competitive examinations for employment/higher studies.

PSO2. **PROBLEM SOLVING SKILLS**: Exercise latest techniques, innovative methods and multi disciplinary knowledge in solving engineering problems of industry and serve the society

Metal Health

The reasons why mental health awareness is vital for individuals and society as a whole.

- Reduces Stigma and Discrimination
- Encourages Early Intervention
- Promotes Better Understanding of Mental Health
- Enhances Support Systems
- Improves Access to Mental Health Services
- Reduces Suicide Rates
- Encourages Healthy Coping Mechanisms
- Supports Overall Well-Being

Promoting mental health awareness is essential for building a healthier and more supportive society. As we continue to advance mental health education and initiatives, we all play a part in creating a world where mental health is understood, respected, and prioritized. Whether through supporting awareness campaigns, educating ourselves and others, or advocating for better mental health services, each of us can contribute to a more mentally healthy society.

New Vehicles launching's

India saw the launch of several new vehicles, including the BYD Atto 3 electric SUV, Mahindra XUV300 Sportz, and the Toyota Glanza CNG. Other notable launches included the MG Hector Facelift, and the Renault Arkana.

- **BYD Atto 3:** This electric SUV was launched by BYD on October 11, offering a 60.6 kWh battery pack and a range of around 420 km.
- **Mahindra XUV300 Sportz:** The Mahindra XUV300 Sportz, featuring a 1.2-liter turbo-petrol engine, was revealed on October 7.
- **Toyota Glanza CNG:** Toyota also launched the CNG-powered version of the Glanza.
- **MG Hector Facelift:** The MG Hector received a facelift, with some changes to the exterior and interior.
- **Renault Arkana:** Renault also introduced the Arkana model.

Faculty Publication

S.No	Name Of The Faculty	Title Of The Paper	Name Of The Journal	Volume , Issue No& Page No	Issn Number And Year Of Publication
1	Dr D.Raja Ramesh	Statistical Analysis on the Mechanical Properties of ATH Nanofiller Addition on the Woven Jute/Polyester Hybrid Composites by the Grey–Taguchi Method	Advances in Materials Science and Engineering	Volume 2022	ISSN: 1687-8434 (Print) ISSN: 1687-8442 (Online)

Congratulations to **Dr D.Raja Ramesh** on Research Publication in SCI & SCOPUS Indexed Journal

We extend our heartfelt congratulations to Dr D.Raja Ramesh, Vice Principal, Department of Mechanical Engineering, for the successful publication of the research paper titled “Statistical Analysis on the Mechanical Properties of ATH Nanofiller Addition on the Woven Jute/Polyester Hybrid Composites by the Grey–Taguchi Method” in the SCI and SCOPUS indexed journal Advances in Materials Science and Engineering.

This paper was published in Volume 2022, bearing ISSN 1687-8434 (Print) and 1687-8442 (Online). The study highlights the use of the Grey–Taguchi method to evaluate the mechanical behavior of nanofiller-reinforced natural fiber composites, contributing valuable insights to the field of materials science and engineering.

We appreciate and applaud their continuous efforts in advancing research and bringing recognition to our institution.

FDP attended by the faculty

Congratulations to **Ch. Anusha** for Successfully Completing NPTEL-AICTE Course

We extend our warm congratulations to Ms. Ch. Anusha, for successfully completing the NPTEL-AICTE Faculty Development Programme on "Advanced Machining Processes" during the Aug–Oct 2022 session.

This achievement reflects her commitment to continuous learning and professional development. Completing such a prestigious and rigorous course enhances both subject expertise and teaching effectiveness.

We appreciate her dedication and congratulate her on this noteworthy accomplishment.

S.No	Name of the Faculty	Institution/Organization	Name of the Topic	Date
1	CH.ANUSHA	NPTEL-AICTE	ADVANCED MACHINING PROCESSES	AUG-OCT 2022

MOTIVATIONAL QUOTES

"Stay away from those people who try to disparage your ambitions. Small minds will always do that, but great minds will give you a feeling that you can become great too".

……Empowering Minds