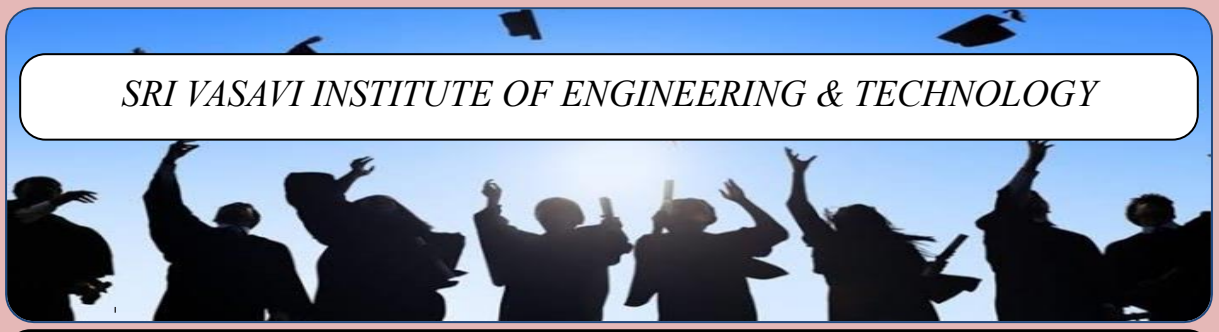

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

MECH VIBES NEWS LETTER

ISSUE 4 | OCT 2023 | VOL 12

EDITORIAL BOARD

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- Triumph Trident
- Guest Lectures
- Workshop
- FDPs Attended by Faculty
- Motivational Quote

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

BASICS OF AUTOCAD

AutoCAD is computer-aided design (CAD) software used for creating 2D and 3D drawings and models. It allows users to design, document, and modify engineering drawings and designs. A basic understanding includes the software's interface, common drawing commands, and essential features like layers and annotations.

AutoCAD Basics:

Interface: Familiarize yourself with the drawing area, command line, ribbon, and tool panels.

Basic Drawing: Learn how to draw lines, circles, rectangles, and arcs using the respective commands.

Object Modification: Master commands like move, copy, rotate, scale, and trim to modify existing objects.

Layers: Understand the concept of layers and their importance in organizing and managing complex drawings.

Annotations: Learn how to add text, dimensions, and other annotations to your drawings.

Paper Space and Model Space: Understand the difference between these two spaces and their purpose in creating layouts and printing drawings.

External References: Learn how to incorporate external drawings into your current project.

Units and Scale: Understand how to set up units and model scale for your drawings.

Printing: Learn how to set up layouts, viewports, and print your drawings.

Triumph Trident

The Triumph Trident 660 is a naked motorcycle by manufacturer Triumph Motorcycles Ltd. Following a four-year development programme, the Triumph Trident prototype was revealed at the London Design Museum on 25 August 2020. To disguise the final form, the prototype was painted all white with the exception of the engine.

The top speed of the Triumph Trident 660 is 212 kmph, while the Daytona 660 reaches 228 kmph. The Tiger Sport 660 can reach a top speed of 220 kmph.

ARAI mileage of Trident 660 is 15 kmpl. Fuel economy of Triumph Trident 660, as reported by its owners, is 20 kmpl.

The motorcycle features:

- Riding modes (rain/road)
- Switchable traction control
- Non-switchable anti-lock brakes
- Hybrid LCD/TFT instrument pod
- Full LED lighting
- Optional quickshifter and autoblipper
- A2 Licence restrictor kit
- LAMS Restricted (39 kW) model for Australia / New Zealand market

Guest Lectures

S.NO	DATE	DATE	FDP/WEBINAR TITLE	ORGANIZED BY
1	25-09-2023	Guest Lecture on failure modes of sandwich panels	D.KiranBabu	D.SrinivasRao Assistant Professor, D.M.S.S.V.H
2	22-09-2023	Guest Lecture on Disaster risk reduction measures	M.SruthiMadhuri	K.L.A.V Haranadh Assistant Professor D.N.R College

Failure modes of sandwich panels

This guest lecture focused on the various **failure modes of sandwich panels**, which are widely used in aerospace, automotive, and construction industries due to their high strength-to-weight ratio. The session covered the fundamental concepts of sandwich panel construction, types of core materials, and common failure mechanisms such as face wrinkling, core shear, and debonding. The resource person also discussed testing methods, design considerations, and recent research trends to improve durability and performance. This lecture provided valuable insights for students interested in materials engineering, structural analysis, and advanced manufacturing.

Disaster risk reduction measures:

The lecture on **Disaster Risk Reduction (DRR) Measures** highlighted strategies and best practices to mitigate the impact of natural and man-made disasters. Topics included risk assessment, early warning systems, community preparedness, infrastructure resilience, and emergency response planning. The speaker emphasized the role of engineering solutions, policy-making, and community engagement in reducing vulnerability and enhancing recovery efforts. This session was particularly relevant for students aiming to contribute to sustainable development and disaster management fields.

WORKSHOP

The Department of Mechanical Engineering successfully organized a **Workshop on Non-Destructive Testing (NDT)** in collaboration with **Vidal International on 16th to 17th Aug** , a recognized leader in industrial inspection and training services.

This workshop provided participants with comprehensive insights into modern NDT techniques used to evaluate the properties of materials, components, or systems **without causing damage**. Experts from Vidal International covered a range of key methods, including:

- **Ultrasonic Testing (UT)**
- **Radiographic Testing (RT)**
- **Magnetic Particle Testing (MPT)**
- **Liquid Penetrant Testing (LPT)**
- **Eddy Current Testing (ECT)**

The session focused on the principles, practical applications, industry standards, and real-world case studies involving NDT in manufacturing, aerospace, automotive, and power sectors. Students gained valuable hands-on exposure and a clear understanding of how these techniques are vital for quality assurance, maintenance, and safety in engineering practice.

The workshop proved to be a highly beneficial experience for budding engineers, enriching their technical knowledge and enhancing their employability in core industries.

FDPs Attended by Faculty

We extend our heartfelt congratulations to Dr. D. Raja Ramesh, Dr. MD Abid Ali, Mr. K. Sukumar, Mr. V. Satish Kumar, Mr. D. Kiran Babu, Mrs.K.Lakshmi Priya and Ms.D.Khyathimai for successfully completing the Faculty Development Program on **"Role of 3D Printing in Digital Manufacturing"**, organized by **Anurag University** from **3rd July to 7th July 2023**.

Your active participation and commitment to continuous learning are truly commendable. We appreciate your dedication to staying abreast of industry advancements and integrating them into teaching and research for the benefit of our students.

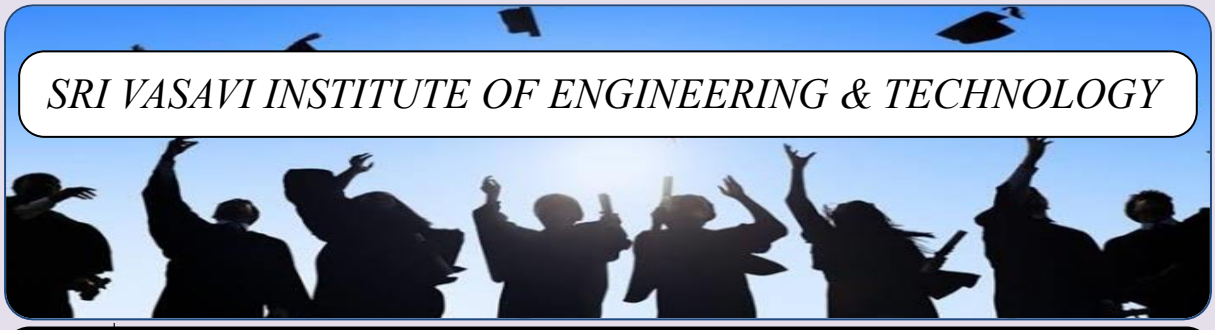
S.No	Name of the Faculty	Institution/ Organization	Name of the Topic	Date	No. of Days
1	Dr. D. Raja Ramesh	Anurag University	Role of 3D Printing in Digital Manufacturing	03/07/2023 to 07/07/2023	5

2	Dr. MD Abid Ali	Anurag University	Role of 3D Printing in Digital Manufacturing	03/07/2023 to 07/07/2023	5
3	Mr. K. Sukumar	Anurag University	Role of 3D Printing in Digital Manufacturing	03/07/2023 to 07/07/2023	5
4	Mr. V. Satish Kumar	Anurag University	Role of 3D Printing in Digital Manufacturing	03/07/2023 to 07/07/2023	5
5	Mr. D. Kiran Babu	Anurag University	Role of 3D Printing in Digital Manufacturing	03/07/2023 to 07/07/2023	5
6	Mrs.K.Lakshmi Priya	Anurag University	Role of 3D Printing in Digital Manufacturing	03/07/2023 to 07/07/2023	5
7	Ms.D.Khyathimai	Anurag University	Role of 3D Printing in Digital Manufacturing	03/07/2023 to 07/07/2023	5

Motivational Quotes

- "It is only when we take chances that our lives improve. The initial and the most difficult risk we need to take is to become honest."
- "Nature has given us all the pieces required to achieve exceptional wellness and health, but has left it to us to put these pieces together."

…….Empowering Minds



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

MECH VIBES NEWSLETTER >>>>>

ISSUE 3 | JULY 2023 | VOL 11

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- INDIAN CULTURE
- NEW TECHNOLOGY INVENTION
- PLACEMENTS
- MOTIVATIONAL QUOTES

DEPARTMENT VISION, MISSION, PEOs & PSOs

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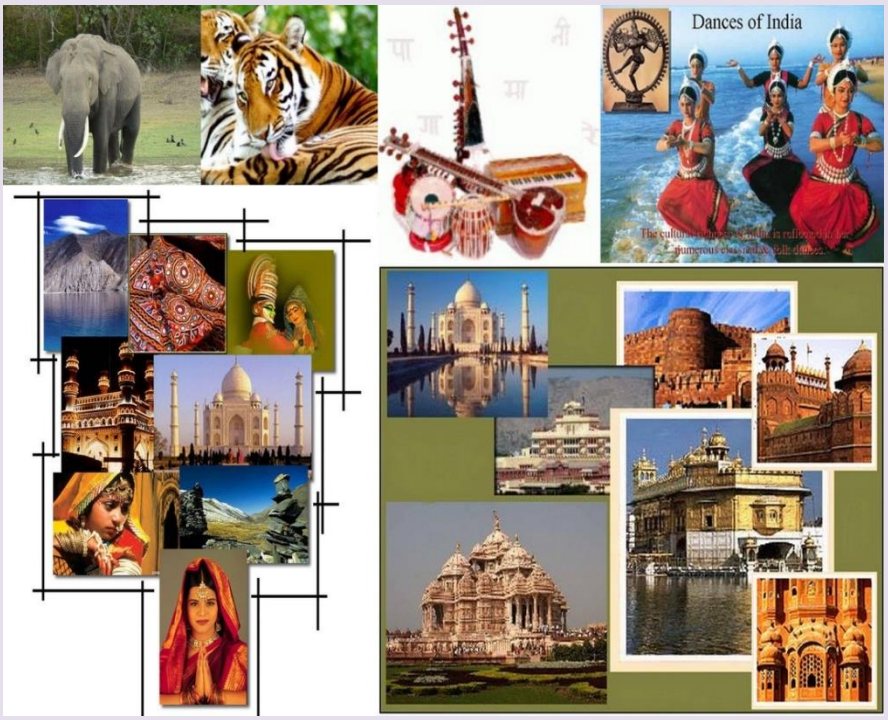
INDIAN CULTURE

Indian culture is a rich tapestry of traditions, festivals, languages, and philosophies shaped by thousands of years of history, reflecting the essence of its diverse societies.

Overview of Indian Culture

Indian culture is characterized by its ethnic and linguistic diversity, with traditions stemming from one of the world's oldest civilizations. It encompasses a multitude of practices, social norms, beliefs, and customs developed throughout history, particularly since the Indus Valley civilization (circa 3300-1300 BCE). Religion plays a crucial role, with major faiths including Hinduism, Buddhism, Jainism, Sikhism, Islam, Christianity, and other indigenous beliefs influencing daily life and traditions.



Major Aspects of Indian Culture

1. Religion and Spirituality:

- Hinduism, the most prevalent religion, emphasizes the concepts of karma and dharma. It includes various deities and practices such as yoga and meditation.
- Buddhism encourages the path to enlightenment and compassion, while Jainism focuses on non-violence and truth.
- Islam and Christianity contribute significantly to the cultural diversity, promoting values of community and charity.

Festivals:

- India celebrates a plethora of festivals year-round, bridging various cultural and religious identities. Key festivals include Diwali (Festival of Lights), Holi (Festival of Colors), Eid, and Christmas, all rich with their traditions and unique celebrations.

Cuisine:

- Indian cuisine is renowned for its variety and use of spices. Staples include rice, wheat (rotis, naan), pulses, and diverse regional specialities such as biryani, dosa, curry, and sweets like gulabjamun and jalebi.

Family Structure:

- Traditionally, India upheld a joint family system where extended families lived together. However, modern influences are leading to more nuclear family structures.

Art and Music:

- Indian arts encompass classical forms like Bharatanatyam, Kathak, and Odissi, which tell stories through intricate dance. Indian music features diverse genres from classical to folk and modern interpretations, embracing various instruments and styles.

Language and Literature:

- India’s linguistic landscape is vast, with 22 official languages and several hundred dialects. Hindi and English are most widely spoken; other major languages include Bengali, Telugu, Marathi, Tamil, and Urdu. The country's literary tradition is rich, including ancient texts such as the Vedas, Upanishads, and epics like the Mahabharata and Ramayana.

Traditional Dress:

- The sari for women and kurta-pajama for men are common traditional attire. Regional variations reflect local customs and climates, with dress often serving as a cultural identifier.

Crafts and Architecture:

- India is famous for its intricate handicrafts, textiles, pottery, and jewelry. Architectural marvels like the TajMahal and various ancient temples exhibit the country’s rich artistic heritage.

Conclusion

Indian culture, an amalgamation of various traditions, influences, and values, continues to evolve while preserving deep-rooted practices that define the nation's identity. From its vibrant festivals and colorful culinary landscape to profound philosophies and artistic expressions, Indian culture captivates and continues to influence not only its own society but also the world. Embracing both tradition and modernity, it stands as a vibrant reflection of its history and diversity.

NEW TECHNOLOGY INVENTION

The year 2023 witnessed several transformative trends in the technology landscape. Most notably, **Generative AI** continued its rapid evolution, revolutionizing content creation, software development, and creative industries. **AI-powered image generation** gained momentum, enabling high-quality visuals to be created from text prompts, while **digital twins** emerged as powerful tools for simulating and managing real-world systems through virtual models.

Robotics made significant strides, with increased automation in industries and enhanced human-robot collaboration. The **widespread adoption of 5G networks** unlocked faster, more reliable connectivity, fueling the expansion of the **Internet of Things (IoT)** and enabling smart devices to operate more efficiently.

Another key development was the growing popularity of **RISC-V**, an open standard instruction set architecture offering a customizable alternative to proprietary chips. In parallel, **mass-market military drones** became more prevalent, reshaping modern warfare and surveillance.

Together, these innovations signaled a pivotal year of progress, reshaping industries and setting the stage for further disruption in the years to come.

PLACEMENTS (2022-23)

We extend our heartfelt congratulations to all the students on their successful placements. Your hard work, dedication, and perseverance have truly paid off. This achievement marks the beginning of a new and exciting chapter in your professional journey.

We are proud of each one of you and wish you continued success and growth in your careers. Keep striving for excellence and continue to make us proud!

Best wishes for your bright future ahead!

S.No	REG.NO	NAME OF THE STUDENT	DESIGNATION	COMPANY NAME
1	18MQ1A0301	Araja Vivek Sai	Graduate Engineer Trainee	Vidal International
2	19MQ1A0301	Beeram Manikanta	Graduate Engineer Trainee	Vidal International
3	19MQ1A0302	Harish Kumar Kolapalli	Graduate Engineer Trainee	Vidal International
4	19MQ1A0303	Mohammad Abdulla Basha	Graduate Engineer Trainee	Vidal International
5	20MQ5A0301	Abdul Hakeem	Graduate Engineer Trainee	Vidal International
6	20MQ5A0302	Allam Lakshmi Narayana	Graduate Engineer Trainee	Vidal International
7	20MQ5A0303	Appikatla Raju	Graduate Engineer Trainee	Vidal International
8	20MQ5A0304	Batta Siva Manoj	Graduate Engineer Trainee	Vidal International
9	20MQ5A0305	Bhatta Kiran Naga Sai	Graduate Engineer Trainee	Vidal International
10	20MQ5A0306	Bhatta Yugandhar	Graduate Engineer Trainee	Vidal International
11	20MQ5A0307	Challa Chandra Sekhara Srinivas	Graduate Engineer Trainee	Vidal International
12	20MQ5A0308	Cheboyina Naga Sai	Graduate Engineer Trainee	Vidal International
13	20MQ5A0310	Jinka Sri Ram	Graduate Engineer Trainee	Vidal International
14	20MQ5A0311	Jogi Vinay Kumar	Graduate Engineer Trainee	Vidal International
15	20MQ5A0312	Jonnala Jaswanth	Graduate Engineer Trainee	Vidal International
16	20MQ5A0313	Komati Subrahmanyam	Graduate Engineer Trainee	Vidal International
17	20MQ5A0315	Madem Nagarjuna	Graduate Engineer Trainee	Vidal International

18	20MQ5A0316	Mogili Veera Venkata Satish	Graduate Engineer Trainee	Vidal International
19	20MQ5A0317	Mohammad Zuber	Graduate Engineer Trainee	Vidal International
20	20MQ5A0319	Pamarti Mahesh	Graduate Engineer Trainee	Vidal International
21	20MQ5A0321	Pittu Ravindranadh Reddy	Graduate Engineer Trainee	Vidal International
22	20MQ5A0324	Puli Manikanta	Graduate Engineer Trainee	Vidal International
23	20MQ5A0326	Singamsetti Narendra Babu	Graduate Engineer Trainee	Vidal International
24	20MQ5A0329	Vasana Uday Bhaskar	Graduate Engineer Trainee	Vidal International
25	20MQ5A0330	Vemula Bala Manikanta Swamy	Graduate Engineer Trainee	Vidal International
26	20MQ5A0331	Vujji Sarath Kumar	Graduate Engineer Trainee	Vidal International
27	20MQ5A0332	Yarlagadda Pavan Kumar	Graduate Engineer Trainee	Vidal International
28	20MQ5A0334	Katakam Bhanu Prasad	Graduate Engineer Trainee	Vidal International

MOTIVATIONAL QUOTES

- Always take another step. If this is to no avail take another, and yet another. One step at a time is not too difficult."

- "If you can't fly, then run, if you can't run then walk, if you can't walk then crawl, but whatever you do, you have to keep moving forward."

…….Empowering Minds

<<<<<MECH VIBES NEWS LETTER>>>>>

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- Ayudha Pooja Celebrations
- Kartheeka deepotsavam Celebrations
- ARMS events

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FACULTY PUBLICATIONS

The Department of Mechanical Engineering extends heartfelt congratulations to our esteemed faculty member **Dr.D Raja Ramesh,Vice-Principal** for the successful publication of his research paper in a Scopus-indexed journal.

Publishing in such a reputed platform reflects a high standard of scholarly excellence and is a significant academic achievement. This accomplishment showcases his commitment to research, innovation, and the continuous pursuit of knowledge in the field of mechanical engineering.

Your contribution not only adds value to the academic community but also enhances the research profile of our department and serves as an inspiration to fellow faculty and students alike.

We are proud of your achievement sir and wish you continued success in your research endeavors!

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	Abrasion-Resistance poly tetrafluroethylene with graphite fibers for aerospace and defense components post hard Anodizing	Journal of Balkan Tribological Association	Vol.29, No.3,359-368	1310-4772 & 2023
2	Dr. D. Raja Ramesh	Instegating the wear resistant of Zn-Co- Ni alloy coatings on polymer substrates	Journal of Balkan Tribological Association	Vol.29, No.3,350-358	1310-4772 & 2023

INDUSTRIAL VISIT

The Department of Mechanical Engineering organized an insightful industrial visit to Kumar Pumps on 18th October, a leading manufacturer in the pump industry known for its innovation and quality engineering solutions.

During the visit, students had the opportunity to observe the manufacturing processes, assembly lines, and quality control measures involved in producing a wide range of pumps used in domestic, agricultural, and industrial applications. The visit provided practical exposure to various aspects of mechanical design, material selection, machining, testing, and product development.

Industry experts and company engineers interacted with the students, sharing valuable knowledge about the challenges in pump design, efficiency optimization, and the importance of maintenance and reliability.

GUEST LECTURE

The Department of Mechanical Engineering successfully conducted two expert guest lectures during October and November 2023. On **27th October 2023**, Dr. M. Srinivas from Helapuri Engineering College delivered a session on the dynamic behavior of pistons and its influence on fluid flow velocity and acceleration in pipes. Following this, on **2nd November 2023**, P.S.R.K. Nageswara Rao from V.I.T.S presented insights on tools design specific to Electrical Discharge Machining (EDM), emphasizing material selection and design challenges.

Both sessions were coordinated by our faculty members, Mr. V. Ravi and Mrs. K. Lakshmi Priya, and attended by 7 enthusiastic students each. These lectures enriched the students' understanding of advanced manufacturing and fluid mechanics, bridging theoretical knowledge with practical applications.

S. No	Date	Title	Cordinator	Resource person	No.of students
1	02-11-2023	Guest Lecture on Tools Design in EDM	V.Ravi	P.S.R.K.Nageswara Rao, Associate Professsor, V.I.T.S	7
2	27-10-2023	Guest Lecture on Variation of velocity and acceleration of piston on velocity,acceleration of water in pipes	K.LakshmiPriya	Dr.M.Srinivas Prof ,Helapuri Engineering college, West Godavari	7

FDP Attended by Faculty

Mrs. CH. Anusha from the Department of Mechanical Engineering successfully completed a 6-day Faculty Development Program on **Machine Learning Applications for Mechanical Engineering** conducted by CVR College of Engineering from **18th to 23rd December 2023**.

The program focused on the fundamentals and practical applications of machine learning techniques tailored to mechanical engineering challenges, including predictive maintenance, optimization of manufacturing processes, and intelligent control systems. Participation in this FDP enhances the faculty's capability to integrate emerging AI technologies into academic and research activities, thereby enriching the learning experience of students.

S.No	Name of the Faculty	Institution/ Organization	Name of the Topic	Date	No. of Days
1	Mrs CH.Anusha	CVR College Of Engineering	Machine Learning Applications For Mechanical Engineering	18/12/2023 to 23/12/2023	6

AYUDHA POOJA CELEBRATIONS

The Department of Mechanical Engineering joyfully celebrated **Ayudha Pooja**, a traditional festival dedicated to honoring the tools, instruments, and machinery that empower our work and creativity. This auspicious occasion symbolizes respect for technology and the spirit of learning.

The celebration included the ritualistic worship of mechanical tools, lab equipment, and machines, accompanied by traditional prayers and offerings. Students and faculty participated enthusiastically, seeking blessings for success, safety, and innovation in their academic and professional endeavors.

RAVAN IDOL

As part of the Dussehra celebrations, the enthusiastic students of the Department of Mechanical Engineering showcased their creativity and cultural spirit by crafting a detailed **Raavan idol**. The idol was meticulously designed and assembled by the students, reflecting their artistic skills and teamwork.

The celebrations culminated with the traditional **Dahan (effigy burning) ceremony** on the eve of Dussehra, symbolizing the victory of good over evil. The event brought together students and faculty in a joyous atmosphere filled with cultural significance and community bonding.

SHIVA IDOL

As part of the Kartheeka Deepotsavam celebrations, the enthusiastic students of the Department of Mechanical Engineering proudly created a beautiful **Shiva idol**. This creative initiative showcased their artistic skills, cultural appreciation, and teamwork.

The process involved careful planning, sculpting, and decorating the idol using eco-friendly materials, reflecting a deep respect for tradition and environmental responsibility. Guided by faculty, the students made the idol with intricate details and vibrant finishes.

The Shiva idol was an integral part of the festival rituals, symbolizing devotion, spirituality, and the triumph of light over darkness. This hands-on project not only enriched the festive spirit but also helped strengthen cultural bonds within the department.

ARMS EVENTS

The Department of Mechanical Engineering, through **ARMS**, conducted an engaging series of technical and skill-building events from **7th to 17th November 2023**. These events were designed to enhance students' technical knowledge, practical skills, and competitive spirit. The schedule included:

Date	Event	Description
1	Technical Jam	A fast-paced competition testing engineering knowledge and problem-solving skills.
2	Engine Assembly	Hands-on activity focused on assembling and understanding engine components.
3	CATIA 3D Drawing	3D modeling and design using CATIA software.

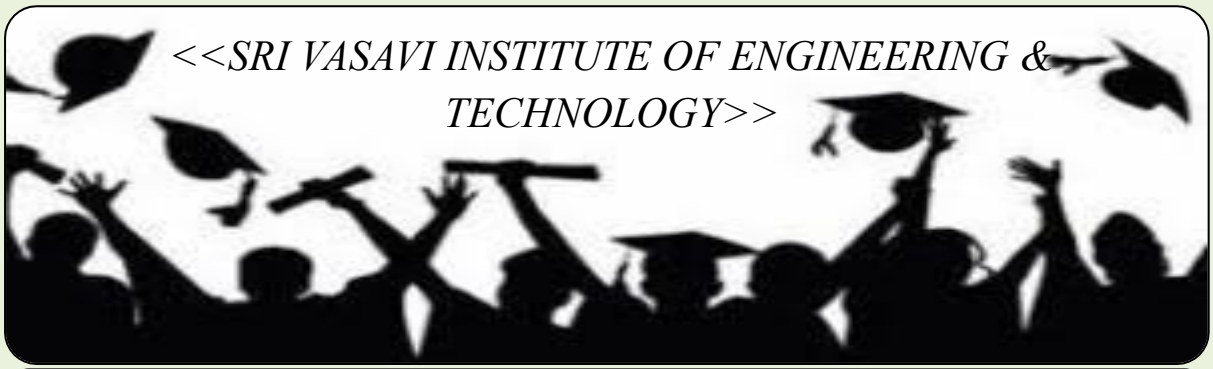
Date	Event	Description
4	Technical Quiz	A comprehensive quiz covering various mechanical engineering topics.
5	PowerPoint Presentations	Students presented technical topics to enhance communication and presentation skills.
6	Aptitude & Reasoning	Competitive event testing logical thinking and problem-solving aptitude.
7	Technical Gate	A test focused on the fundamentals of engineering and technical aptitude.
8	CAD Mania	A design competition using Computer-Aided Design tools.
9	Poster Presentation	Creative presentation of technical concepts through posters, encouraging research and visualization skills.

These events collectively provided a platform for students to sharpen their engineering acumen, enhance teamwork, and prepare for industry challenges.

Motivational Quotes

- "Nothing in the world can take the place of persistence. Talent will not; nothing is more common than unsuccessful men with talent. Genius will not; unrewarded genius is almost a proverb. Education will not; the world is full of educated derelicts. The slogan 'Press On' has solved and always will solve the problems of the human race."

…….Empowering Minds



MECH VIBES NEWS LETTER

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TECH NEWS

1- CrowdStrike IT outage affected 8.5 million Windows devices, Microsoft says

2- How AI will transform the Olympics

3- OpenAI announces a search engine called SearchGPT; Alphabet shares dip

4- Intel AI and the Olympics

5- Self-driving tech company WeRide accelerates global expansion as transportation industry adopts AI

6- Google U-turns on Privacy Sandbox endeavor, deciding that cookies won't be replaced after all – here's what that means for you

7- Widespread CrowdStrike Outages Highlight The Imperative For AI Guardrails

8-Colorado Takes The Lead In Quantum Technologies

9-CrowdStrike Windows Outage—What Happened And What To Do Next

10- OpenAI is taking on Google with a new artificial intelligence search engine

PROJECTS (2023-24)

1. Fabrication Of Solar Based Aerator And Controller For Aquaculture
2. Modeling & Analsys Of Self Piercing Rivet
3. Eabrication Of Solar Grass Cutter Using Android Mobile
4. Design And Optimization Of Excavator Arm
5. Investigation On Mechanical And Tribological Behaviour Of Al6061/ Sicbagasse Ash Hybrid Reinforced Metal Matrix Board Using Stir Casting
6. Fabrication Of Solar Power Crack Detection System For Railway Track
7. Modeling And Fabrication Of Smart Solar Scare Crow
8. Fabrication, Performance & Analysis Of Floating & Sun Tracking Solar Panel
9. Fabrication Of Chemical Spray Robot Operated With Android Mobile
10. Design And Fabrication Of Intelligent Braking System
11. Explicit Design And Analysis Ev Car Body
12. Experimental Investigation Of Heat Transfer Characteristics Using Nano Fluids In An Automotive Radiator

GUEST LECTURES

S. No	Date	Title	Cordinator	Resource person
1	16-03-2024	GuestLecture on Exhaust emission analysers	T.Durga Prasad	V.Nani Assistant Professor Usha Rama College of Engineering
2	13-03-2024	Guest lecture on Advanced joining technologies	K Sukumar	Dr. Santosh Kumar Assistant Professor, NIT SILICHAR
3	22-02-2024	Guest Lecture on Transformation in the Solid State	D.KiranBabu	G.Leela Siva Rama Prasad Asst.Professor, DJR Engineering College
4	16-02-2024	Guest Lecture on Mico-machining process.	K.LakshmiPriya	Dr KalluriVinayak Professor S.R.M University

FDPs Attended by Faculty

The Department of Mechanical Engineering is proud to recognize and appreciate the active participation of our faculty members in **interdisciplinary Faculty Development Programs (FDPs)** aimed at broadening their technological horizons and integrating modern tools into teaching and research.

Recently, our faculty attended the following FDPs organized by leading institutions in the Data Analytics Using Power Bi And Tableau & Python topics.These topics provided hands-on experience with industry-standard data visualization tools, empowering faculty to analyze large datasets, build interactive dashboards, and apply data-driven decision-making techniques. The knowledge gained is highly relevant for research analytics, academic reporting, and process optimization in engineering education.

S.No	Name of the Faculty	Institution/Organization	Name of the Topic	Date	No. of Days
1	Mrs.Ch.Anusha	Parul University –Gujarat	Data Analytics Using Power Bi And Tableau	11/3/2024 to 15/3/2024	5
		APSSDC	Deep Learning And Artifical Intelligence	26/2/2024 to 1/3/2024	5
2	Ms.D.Khyathimai	Parul University –Gujarat	Data Analytics Using Power Bi And Tableau	11/3/2024 to 15/3/2024	5
		APSSDC	Deep Learning And Artifical Intelligence	26/2/2024 to 1/3/2024	5
3	Mr.V.Ravi	Parul University –Gujarat	Data Analytics Using Power Bi And Tableau	11/3/2024 to 15/3/2024	5
4	Mrs.K.Lakshmi Priya	Parul University –Gujarat	Data Analytics Using Power Bi And Tableau	11/3/2024 TO 15/3/2024	5

5	Mr.T.Durga Prasad	Star International Foundation For Research And Education	7 Days National Level FDP On Python	19/3/2024 to 25/3/2024	7

Phd Pursuing Faculty

The Department of Mechanical Engineering proudly congratulates **Mr. K. Sukumar** for his remarkable achievement in securing a **Ph.D. admission at the prestigious National Institute of Technology (NIT) Silchar**.

This milestone is a testament to his academic excellence, dedication to research, and unwavering commitment to advancing knowledge in the field of mechanical engineering. Gaining admission into one of India's premier institutions is a significant accomplishment and reflects his potential to contribute meaningfully to cutting-edge research and innovation.

We wish Mr.K.Sukumar great success in his doctoral journey and look forward to witnessing his continued contributions to the academic and engineering communities.

Congratulations once again on this well-deserved achievement sir.

Faculty Name	Guide Name	University / Insititute of registration	Year of Registration	Area of Research
Mr. K.Sukumar	Dr. Santosh Kumar	NIT, Silchar	January 2024	Manufacturing

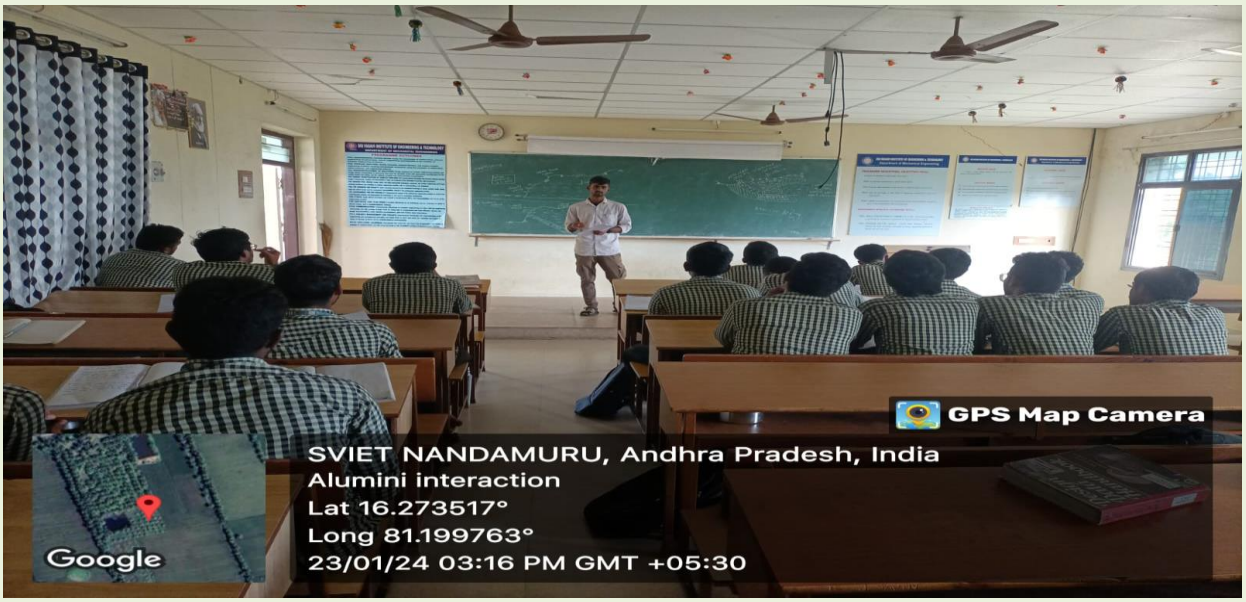
Alumni Interaction

We are delighted to share that an Alumni Interaction Session was successfully conducted on 23rd January 2024 for the benefit of III Year B.Tech Mechanical Engineering students.

Mr. L. Sai Ganesh, a recent 2023 Mechanical Engineering graduate, currently working as a Trainee at Deccan Fine Chemicals, engaged with the students by sharing his industrial experiences and career journey.

During the session, he offered valuable insights into the transition from campus to the workplace, expectations of the industry, and the importance of practical skills and continuous learning. His interaction served as a motivational guide for students preparing to enter the professional world.

We sincerely appreciate Mr. L.Sai Ganesh for taking the time to support and inspire his juniors



MOTIVATIONAL QUOTES

"There are three ways to ultimate success: The first way is to be kind. The second way is to be kind. The third way is to be kind"

"Success is peace of mind, which is a direct result of self-satisfaction in knowing you made the effort to become the best of which you are capable."

…….Empowering Minds