

# NIRVANA

DEPARTMENT OF MECHANICAL ENGINEERING  
VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY, PUTTUR. 08251-234555



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BIANNUAL NEWSLETTER

## Awareness session on ICG & International Coastal Team



Department of Mechanical Engineering had organized one day workshop on "Awareness session on ICG & International Coastal Team" on 25/08/2022 in association with ICG and Mechanical Engineering Students Association (MESA) Asst. Com. Vinayak Kalas addressed students and

introduced about Indian Coast Guard and its importance. He explained how ICG take care of Indian Coastal areas, International ocean boarder and Ocean life. Resource Person also explained the steps to be followed in joining the ICG and various categories in that field. The session was interactive and student queries were answered by the presenter. The entire event was organized in Krishna Chethana Block with around 50+ participants including staff and students from Mechanical Engineering & Civil Engineering Department. Initially, Dr. Manujesh B. J., HOD. Dept. of Mechanical Engg. gave brief introduction about the event and Introduced both Resource Person of the session to students. Mr. Harish S R, coordinator MESA conducted the programme.

### Vision

**"To be a well-recognized department striving continuously by providing conducive environment for learning, leading to, creative and innovative Mechanical Engineers"**

### Mission

- M1: Students:** To prepare, educate, inspire and mentor the students to excel as Professionals.
- M2: Faculty:** To edify, encourage and support in academic and research activities.
- M3: Infrastructure:** To render facilities and infrastructure in the field of Mechanical Engineering.
- M4: Teaching Learning:** To improve pedagogical methods employed in delivering the academic Programs to the needs of the industry.

### ADVANCED ROBOTICS

Robots are stepping in to handle jobs that are too boring, messy, or risky for people. You'll find them on factory assembly lines, exploring extreme environments, dealing with dangerous substances, and even assisting in surgeries.

Mechanical engineers are behind the design of these incredible machines, customizing them for all kinds of tasks. They're working on things like flexible robotic arms, built-in safety features that can absorb impact, and super-precise tools for handling delicate work.

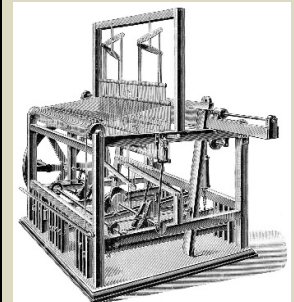


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## A Mechanical Weaving Loom



A mechanical weaving loom from the 19th century represents a major advancement in textile manufacturing, transitioning from manual hand looms to more efficient, power-driven machinery.

## One Day Training Program on “Career Prospects for Mechanical Engineer’s in Space and Defense Industry”

Department of Mechanical Engineering had organized **One Day Training Program on “Career Prospects for Mechanical Engineer’s in Space and Defense Industry”** in association with **SS Technologies, Bangalore**, Mechanical Engineering Students Association (MESA), ISTE Student Chapter & IQAC on 24/11/2022. Mr. Dhanish Abdul Khader, founder, Space System Engineer- SS Technologies, Bangalore had participated as a resource person for the event. The session started Introduction to STK (Systems Tool Kit) Software and its usage at NASA, ISRO, Boeing and many other space and aeronautical Industries were shown. The speaker showed job vacancies in the field mentioned above with proof and gave assurance about jobs for Mechanical Engineers with skills. The entire event was organized in Krishna Chethana block with around 60+ participants including staff and students from Mechanical Engineering department. The master of ceremony for the talk was by **Mr. Vikhyath**, student, Department of Mechanical engineering. **Dr. Manujesh B. J**, HOD. Dept. of mechanical engineering addressed the gathering. **Ms. Prerana Kemminje**, student, department of Mechanical Engineering gave a brief introduction about the speaker. At the end of the session vote of thanks was delivered by **Mr. Rakesh**, student, department of mechanical engineering, VCET, Puttur.



## Inauguration of MESA activities for the year 2022-23

MESA activities for the year 2022-23 was inaugurated on 09th December 2022 by the chief guest Sri. Keshava A., Proprietor, SRK Ladders, Puttur. Sri. Vishwas Shenoy, President, GC, VCET Puttur presided over the function. Mr. Ranjith P.K, President of MESA welcomed the guests. The chief guest shared his vast experience in engineering and entrepreneurship with the students. Mr. Nishith D.L., secretary of MESA rendered the vote of thanks. Dr. Mahesh Prasanna K. Principal and Dr. Manujesh B.J. HOD, conveyed the best wishes to the program. Ms. Prerana Kemminje was master of ceremony for the event. On this occasion Mr. Lakhan, second year student of Vivekananda Polytechnic was felicitated for his good gesture during an unforeseen event. The function was followed by welcoming the third semester mechanical engineering students by various activities.



**"Engineers like to solve problems. If there are no problems handily available, they will create their own problems."**

— Scott Adams



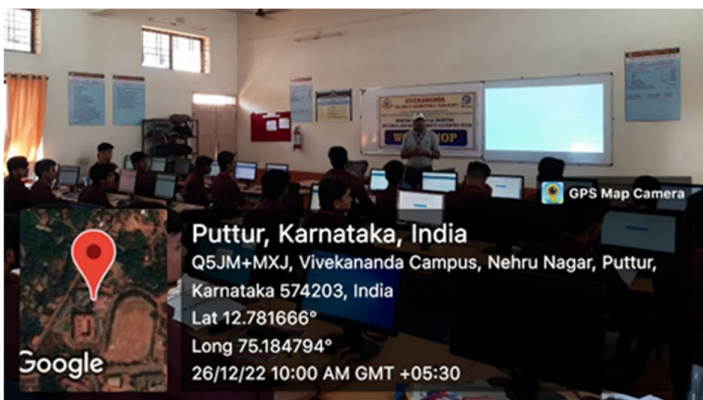
## SWACHH VCET



Department of Mechanical Engineering had organized “SWACHH VCET” program in association with Mechanical Engineering Students Association (MESA), ISTE Student Chapter & IQAC on 24/12/2022. Around 100+ participants including staff and students from mechanical engineering department had participated and made the event meaningful. The entire campus of VCET was made tidy. Finally, Mr. Harish S. R. and Mr. Naveen S. P., Staff coordinators, MESA briefed about the importance of cleanliness in campus premises and supervised the same. The overall event was successful resulting in a clean campus. The principal and management appreciated the initiation.

### One Day Workshop Program on “Introduction to Fusion 360”

Department of Mechanical Engineering had organized One Day Training Program on “Introduction to Fusion 360” in association with M/s Medini, Autodesk authorized academic partner, Bangalore, Mechanical Engineering Students Association (MESA), ISTE Student Chapter & IQAC on 26/12/2022. Mr. Maruti, Instructor, Medini Technologies, Bangalore had participated as a trainer for the event. The training session included brief introduction of the Fusion 360 software tool and its applications in the current manufacturing world, followed by the tutorial sessions of

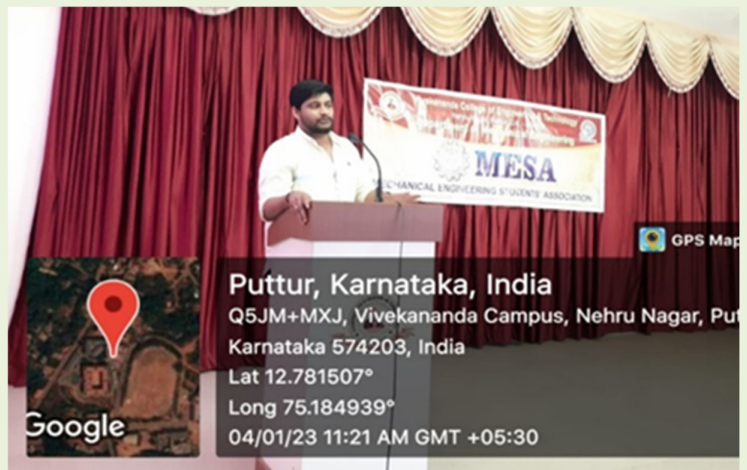


the same. The workshop was organized in CAMA lab, Madhu Chethana block with around 30+ participants including staff and students from mechanical engineering department. Dr. Manujesh B. J, HOD. Dept. of mechanical engineering addressed the gathering by highlighting the application of software tool. Mr. Naveenakrishna P.V. Asst. Professor Dept. of Mechanical engineering, convened the workshop. Certificates were distributed to the active participants at the end of session through Autodesk.

**"Mechanical engineering is not about machines; it's about imagination, curiosity, and discipline coming together to build the future."**

## A talk on “Organic Farming”

Department of Mechanical Engineering had organized A talk on “Organic Farming” in association with Mechanical Engineering Students Association (MESA), ISTE Student Chapter, Alumni Association & IQAC on 04/01/2023. Mr. Jayaguru Achar Hindar had participated as a resource person for the event. The talk included brief introduction about the Organic Farming and its benefits. Mr. Jayaguru gave an insight about animal husbandry and its



profit. He also mentioned in his speech that organic farming is a sustainable and eco-friendly approach to agriculture that not only protects our environment but also ensures healthier food for our communities. Organic farming avoids synthetic chemicals, promotes soil health through natural composting and crop rotation, and encourages biodiversity. As we face increasing challenges from climate change and soil degradation, turning to organic practices is not just a choice but a necessity for future food security. Let us work together to support organic farmers and spread awareness of the long-term benefits of growing food in harmony with nature.

The talk was organized in Sir. M. V Hall, Krishna Chethana Block, with around 60+ participants including staff and students from mechanical engineering department. Prof. Harish S R, Faculty coordinator of MESA, introduced the guest and welcomed the gathering.

## Class 2022-23 Mechanical Engineers



### Mechanical Innovations of Ancient India

India's legacy of mechanical innovation stretches far into antiquity, with several inventions demonstrating a deep understanding of engineering principles well before their time. One of the most striking examples is the **Iron Pillar of Delhi**, constructed during the 4th century CE, which has remained rust-free for over 1600 years due to its advanced metallurgical composition—showing remarkable knowledge of corrosion resistance without modern technology. Equally impressive are the **ancient temple automata** in South India, where early engineers designed mechanical systems such as movable idols, rotating chariots, and automatically opening doors using hidden gears, levers, and counterweights, integrated seamlessly into religious rituals.