

VACKATHON-2026

Students of the Mechanical Engineering department enthusiastically participated in the “Innovation in Action” Hackathon, held on 24-03-2026 at the AI and ML Lab from 2:00 PM to 4:00 PM. The event focused on solving real-world challenges across domains such as smart energy systems, sustainable infrastructure, and AI-based mechanical applications. Competing in interdisciplinary teams, the students demonstrated exceptional problem-solving skills, creativity, and technical expertise. Their outstanding performance led to securing both the first and second prizes, bringing pride to the department and reflecting their strong foundation in innovation, teamwork, and practical engineering applications.



KLS Vdit
Haliyal, Uttara Kannada, 581329.
Transforming Through Technology.

VACKATHON

ATTENTION ALL MECHANICAL, EEE, AND CIVIL ENGINEERING STUDENTS!
CHALLENGE YOURSELF, UNLEASH YOUR POTENTIAL!

INNOVATION IN ACTION!

EVENT DETAILS:
Date: 24-03-2026
Time: 2:00 PM - 4:00 PM (2 Hours)
Venue: AI and ML Lab

ELIGIBILITY:

- Exclusively for Vdit students from Mechanical, EEE, and Civil Engineering departments.
- Form teams of up to 4 members.
- Inter-branch teams are encouraged!
- One team member can be from E&C, CSE, or CSE (AI&ML) departments.

REGISTRATION:

- Register on or before 21-03-2026 by contacting your Department Coordinator:
- Mechanical: Dr. Shankar Badiger
- EEE: Prof. Ravindra Motekar
- Civil: Prof. Seema B.

CHALLENGES:

- EEE: Smart Home Energy Monitor & Optimizer, Sustainable infrastructure systems
- Civil Engineering: Smart Wastewater Treatment, Urban Heat Island Reduction, Traffic Intersection simulator in Python
- Mechanical: AI-Based Energy Consumption Predictor, Smart Solar Power Output Prediction System, Energy Efficiency Calculator for Buildings, Carbon Footprint Calculator for Industries, EV Charging Station Locator and Load Prediction App

READY TO HACK? REGISTER NOW!

#VDITVackathon #KLSVDIT #Innovation #Engineering #Hackathon



Standards Club- Quiz competition

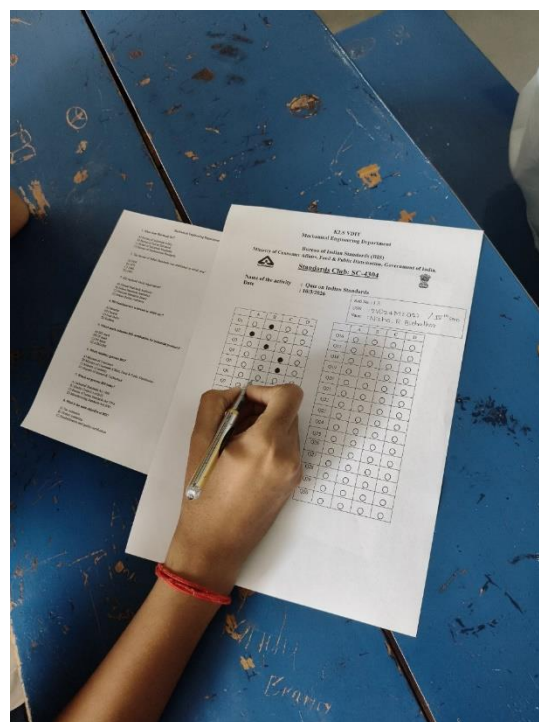
Name of the activity : Quiz on Indian Standards
Date : 10/3/2026

In view of Engineer's Day, Standards Club (SC-4304), Mechanical Engineering Department, KLS VEDIT Haliyal in association with Bureau of Indian Standards (BIS), Government of India, Hubballi branch has organized a Quiz competition on Indian Standards to the 4th and 6th semester students on 10/3/2026.

The winners of the quiz competition are:

Sl.No.	Name of the winner	Semester	Prize
1	Abhishek Sunkannavar	4 th	First prize (Rs.1000/-)
2	Keertana Nagaraddi	4 th	Second prize (Rs.750/-)
3	Bhushan S. D.	4 th	Third prize (Rs.500/-)
4	Hardik Kotur	6 th	Consolation (250/-)

Flyer and Photos of the event:



Technical Talk

Organized a technical talk aimed at enhancing the industry awareness and employability skills of third-year Mechanical Engineering students. The talk was arranged on **27/02/2026** at 09:30 AM in Block No:15. More than 50 students and 06 staff have attended the talk. A technical talk on “Industrial Skills and Career Opportunities in Hydraulics, Pneumatics and Industrial Piping” was delivered to students, highlighting the practical skills required in modern industries. The session emphasized system design, maintenance, troubleshooting techniques, and emerging career opportunities in core manufacturing, oil & gas, and automation sectors. Students gained valuable insights into industry expectations and future growth prospects.

Photos of the event:



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Department of Mechanical Engineering
Presents
tech talk on

“Industrial Skills and Career Opportunities in Hydraulics, Pneumatics and Industrial Piping”

Our Proud Alumni, 2013 Batch
Vinoda V Walagalli
R Business Process Expert
Alstom Transports
Bangalore

ALSTOM
• mobility by nature •

Resource person

27-02-2026 09.30 a.m. onwards Block 15, ME Dept.

Prof. G.R.Sattigeri
Event Coordinator

Dr. K.S.Pujari
Head of Department

Dr. V. A. Kulkarni
Principal

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Standards Club: AD-MAD competition

The Standards Club (SC-4304) of the Mechanical Engineering Department, KLS VEDIT, Haliyal, conducted the Ad-Mad Competition on 5th December 2025 to promote awareness and understanding of standards among students. The activity aimed to enhance creativity, communication, and teamwork while highlighting the importance of standards in daily life.

The event encouraged participants to present humorous and innovative advertisement concepts centered around themes of quality and standardization. The competition was conducted in association with the Bureau of Indian Standards (BIS), Hubballi Branch, the National Standards Body of India functioning under the Ministry of Consumer Affairs, Food & Public Distribution. Through this activity, students not only showcased their creative talents but also gained meaningful insights into the role of BIS and the significance of standards in ensuring safety, reliability, and quality of products.

The winners of the AD-MAD competition are:

Prize	Name of the winner	Semester	Prize
1	Girish D Mane Jahanvi Magadum Kiran Naik Amruthkumar Hiremath	7 th	First prize (Rs.1000/-)
2	Pradeep Sunagar Adarsh Dharwad Sankalp Kambar Kartik Matapati Mahesh Hugar	3 rd	Second prize (Rs.750/-)
3	Tejaswini Shettangoudar Anusha Galatgi Chetan Tigadi Shrushti Betasur Varun Pol	3 rd	Third prize (Rs.500/-)
4	Bharat R.Badiger. Keertana R.N. Nisha R.B. Shreyas M. Abhishek N.S.	3 rd	Consolation (250/-)

Flyer and Photos of the event:



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ME Department of
**MECHANICAL
ENGINEERING**

HASHTAG
The Standards Club Organizes
**AD
MAD**

Promote awareness and understanding of standards

Presentation Date: 5/12/2025
10.00 a.m.
Mechanical Engg. Dept.
KLS Vdit Campus, Haliyal

**EXCITING PRIZES
WORTH
₹2500/-**
Showcase your creativity and
win big at the Ad-Mad
Competition!

www.klsvdit.edu.in

Technical talk

Technical Talk on “Materials and Supply chain management”

Organized an expert talk on “Materials and Supply Chain Management” for the 3rd semester students. A total of 52 students actively participated in the session and benefited from the expert insights shared.

The session was delivered by Mr. Praveen Kumar Kori, AGM, L&T Precision Systems, Pune, who provided an industry-oriented overview of materials and supply chain practices. He elaborated on key aspects such as materials management, logistics, purchase procedures, stores management, inventory control, Just-In-Time (JIT), supply chain management (SCM), and relevant Indian Acts related to material management.

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Department of Mechanical Engineering

Organizing
Technical Talk on
**Materials and supply chain
management**

Mr. Praveen Kumar Kori
Assistant General Manager,
L&T Precision Engineering
& Systems,
Pune

08-Dec-2025, 10.30am
KLS Vdit,
Mechanical Block

www.klsvdit.edu.in



Technical talk

Talk on “Non-destructive testing”

Date: 23 December 2025

Conducted a Technical Talk on “Non-Destructive Testing (NDT)” for the students. The session aimed to create awareness about modern inspection techniques used in industries to evaluate materials and components without causing damage.

During the talk, students were introduced to the principles, objectives, and applications of NDT, along with an overview of common methods such as Visual Inspection, Liquid Penetrant Testing, Magnetic Particle Testing, Ultrasonic Testing, and Radiographic Testing. The session helped students understand the importance of NDT in ensuring safety, quality, and reliability in engineering applications.



One-Day Hands-on Workshop on “CNC Machining, Vibration Analysis, and TVS Bike Engine Mechanics”:

The Department of Mechanical Engineering has organized a one-day hands-on workshop on “CNC Machining, Vibration Analysis, and TVS Bike Engine Mechanics” for the students of Government Polytechnic, Haliyal, on 7th November 2025.

The workshop aimed to provide practical exposure and enhance technical knowledge among diploma students in key areas of mechanical engineering. Participants gained hands-on experience in CNC machining with tool path programming, vibration analysis using advanced measuring instruments, and TVS bike engine and carburetor assembly demonstrations.



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Karnataka - 581329

Transforming Through Technology

Mechanical Engineering Department
Organizes

Hands-on Workshop on “CNC Machining, Vibration Analysis, and TVS Bike Engine Mechanics”
For Government Polytechnic Students, Haliyal

- Hands-on CNC machining demonstration with tool path programming
- Vibration analysis of mechanical systems using advanced instruments
- TVS bike engine and carburetor assembly with working demonstration
- Study of valve operations and engine performance

Date: Nov. 7th, 2025

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Technical talk-1

Online Technical Talk on “Opportunities for Mechanical Engineers in the Aerospace Industry”

Date: 13 November 2025

Organized by: Department of Mechanical Engineering in association with Training & Placement (T&P) Cell

Resource Person: Shree Abhay L., Director, Futuretech Engineering

The Department of Mechanical Engineering, in collaboration with the Training & Placement (T&P) Cell, organized an insightful online technical talk on “*Opportunities for Mechanical Engineers in the Aerospace Industry*” on 13th November 2025. The session was delivered by **Shree Abhay L.**, an accomplished industry expert and the Director of Futuretech Engineering.

The event aimed to bridge the gap between academic learning and industry expectations by introducing students to the rapidly evolving aerospace sector. The speaker highlighted the crucial role Mechanical Engineers play in the design, development, manufacturing, and maintenance of aerospace systems.

During the talk, Mr. Abhay discussed various domains within aerospace engineering, such as aerodynamics, propulsion systems, thermal engineering, structural analysis, materials research, CAD/CAM/CAE applications, and system integration. Real-world industry examples and recent technological advancements, including composite materials, lightweight structures, and simulation-based design, were also explained.



Technical talk

Hands-on Training Program on “CNC Programming & Simulation”

Date: 14 November 2025

Organized by: Entrepreneurship Development Cell

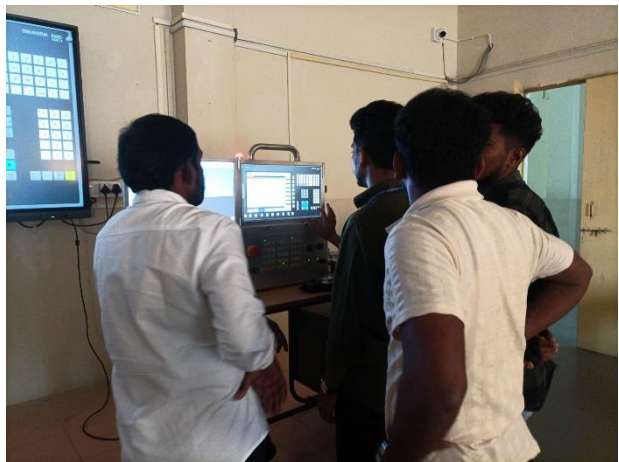
Resource Persons:

- **Mr. Subramanian Rajkumar**, General Manager, EMT, Chennai
- **Mr. Vishnu Chougale**, EMT, Bangalore

The **Entrepreneurship Development Cell** organized a hands-on training program on “*CNC Programming & Simulation*” on 14th November 2025. The session was conducted by two experienced industry professionals—**Mr. Subramanian Rajkumar**, GM of EMT Chennai, and **Mr. Vishnu Chougale**, EMT Bangalore—who brought extensive expertise in CNC technology, manufacturing automation, and machine tool applications.

The primary objective of the event was to provide students with practical exposure to CNC (Computer Numerical Control) programming fundamentals and simulation techniques that are widely used in modern manufacturing industries. The resource persons introduced participants to various CNC machine tools, G-codes & M-codes, tool path planning, and process optimization.

Students engaged in live demonstrations where they learned to create CNC part programs, simulate machining operations, and identify errors using industry-standard software. The trainers also explained machining parameters, tool selection, cutting strategies, and safety precautions essential for efficient operation.



Technical talk

Organized a technical talk aimed at enhancing the industry awareness and employability skills of second- and third-year Mechanical Engineering students. The session focused on understanding current industrial expectations and preparing students for future engineering roles. The talk was arranged on 21/11/2025 at 11:00 AM in Block No:15. More than 90 students and 09 staff have attended the talk.



Haliyal, Karnataka, India 🇮🇳
Gg, Sh 28, Haliyal, Karnataka 581329, India
58333° Long 74.755835°
21/11/2025 11:16 AM GMT +05:30

HAL Management Academy Program

Students of the Department of Mechanical Engineering successfully participated in the Engineering Elective Program on “Aircraft Systems, Testing & Manufacturing Process” organized by HAL Management Academy, Bengaluru, from 6 to 18th October 2025.

Participants including **Ms. Jahnavi Magadum**, **Ms. Rufiyat K. Mulimani**, and **Mr. Kiran Naik** were awarded certificates of participation by the academy. The program provided valuable insights into various aspects of aircraft systems, testing methodologies, and manufacturing processes followed in the aerospace industry.

This program enhanced the students’ understanding of real-world aerospace engineering applications and bridged the gap between academic learning and industrial practices, enriching their technical knowledge and career readiness.



Technical Talk

Mr. Vinayak Horambali, a proud alumnus of the 2019 batch of Mechanical Engineering, delivered an insightful talk on “Opportunities for Mechanical Engineers in IT Industries.” on 29/10/2025 for the students of the 3rd and 5th semesters. The students have actively participated in the session and interacted with him for valuable career guidance.



Technical Talk

Organized a technical talk on “HVAC Technologies and Global Career Opportunities for Mechanical Engineers” by Mr. Shivaraj Salunke, Senior Sales Engineer, Euroclima Middle East, Qatar. The session covered the key skills required for HVAC professionals & global career opportunities for mechanical engineers.



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Department of Mechanical Engineering
Organizing
Technical Talk on
HVAC Technologies and Global Career Opportunities for Mechanical Engineers

Mr. Shivaraj Salunke
Senior Sales Engineer,
Euroclima Middle East,
Qatar



31-Oct-2025, 12.15pm
📍 Online Mode

- ✓ Latest trends in HVAC technologies.
- ✓ Key skills for HVAC professionals.
- ✓ Global career opportunities for Mechanical Engineers.

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Hands on training of TVS bike assembly and its parts

First and higher semester students have received practical training on assembly and working of a TVS bike engine, including detailed insights into engine components, carburettor functioning and assembly, and engine reassembly procedures. This workshop enhanced students' technical competence and practical understanding of modern manufacturing and automotive technologies.



Alumni Talk

Organized an alumni talk on "Industry 4.0". Shri Deepak Patil delivered a bird's-eye view of Industry 4.0, which represents the fourth industrial revolution driven by smart technologies such as the Internet of Things (IoT), Artificial Intelligence (AI), Big Data, Cloud Computing, and Cyber-Physical Systems. He explained how Industry 4.0 leads to the development of intelligent factories through automation, real-time data exchange, and seamless connectivity. He also highlighted the advantages of Industry 4.0, including enhanced productivity, improved efficiency, greater sustainability, and the potential for mass customization and innovation in manufacturing and services. Alumni interaction have not only motivated our students but have also given them a clear picture of the industry and the power of Industry 4.0.



Alumni Talk

On the occasion of Engineers day, Department of Mechanical Engineering organized a technical talk by our proud alumnus, Mr. Suresh Kshirsagar, Senior Manager, WCPM, Dandeli on “Operation and Maintenance of Boilers & Turbines”



BIS- Standards Club- Quiz competition

In view of Engineer's Day, Standards Club (SC-4304), Mechanical Engineering Department, KLS Vdit Haliyal in association with Bureau of Indian Standards (BIS), Government of India, Hubballi branch has organized a Technical Quiz competition to the 5th and 7th semester students on 15/9/2025.

The winners of the quiz competition are:

Prize	Name of the winner	Semester	Prize
1	Rushikesh Shinde	7 th	First prize (Rs.1000/-)
2	Mahesh Gouda	7 th	Second prize (Rs.750/-)
3	Viresh Hiremath	7 th	Third prize (Rs.500/-)
4	Nivrutti Lohar Manjunath Belagaonkar	5 th	Consolation (200/-)

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Mechanical Engineering Department
BUREAU OF INDIAN STANDARDS
ENGINEER'S DAY

Technical Quiz Competition
For Mechanical Engineering Standards Club members
Ministry of Consumer Affairs, Food & Public Distribution
STANDARDS CLUB : SC-4304

Prizes

- 1 Rs. 1,000/-
- 2 Rs. 750/-
- 3 Rs. 500/-
- Rs. 250/-

Date: September 15th, 2025
11.15 a.m.
Venue
Mechanical Engg. Dept.
KLS Vdit Campus, Haliyal

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