



**Department of Mechanical Engineering**  
In Association with  
**Micro Small Medium Enterprise (MSME)**

**Five-Days Professional Development  
Programme**

---

The Department of Mechanical Engineering, New Horizon College of Engineering, successfully conducted five-day Professional Development Programme (PDP) from 9<sup>th</sup> March to 13<sup>th</sup> March in association with MSME Technology Centre, Bengaluru.

The programme was inaugurated by Dr. Sreekanth D V, Head of the Department, Mechanical Engineering, New Horizon College of Engineering and Mr. Sunil S Paladugula, Trainee Engineer MSME Technology centre, Bangalore. The inauguration was followed by an invocation song, setting a positive tone for the sessions ahead.

**Day 1:**

The first day featured a session on **Electric Vehicle Management** delivered by **Dr. Deepa Kaliaperumal**, Head of the Department of Electrical and Electronics Engineering and Lead, E-Mobility Thrust Area Group, Amrita School of Engineering, Bengaluru, Amrita Vishwa Vidyapeetham, Bangalore. 20+ PG graduates and three PhD scholar have completed their degree under her guidance, and currently she is guiding 7 PhD scholars. She has 70+ International Journals and 125+ International conference papers to her credits. She has authored 2 books titled "Control systems" and "Electrical Machines", Filed 5 Indian Patents and 7 book chapters. She has 26+ years of academic and research experience.

The session on Electric Vehicle Management covered important topics such as battery life cycle management, opportunities in the electric vehicle (EV) sector, and fleet management, which provided insights into the stages of battery usage, maintenance, and recycling, emphasizing sustainability and efficiency. The discussion also highlighted the growing opportunities for industries and MSMEs in the EV domain, along with emerging business prospects. Additionally, the session addressed fleet management strategies, focusing on optimizing vehicle performance, reducing operational costs, and ensuring effective monitoring. Overall, the session offered valuable knowledge on the evolving EV ecosystem and its future potential.

The session concluded with an interactive doubt-clearing session followed by a vote of thanks delivered by the Head of the Department, Mechanical Engineering.

### **Day 2:**

The second day focused on IoT and Blockchain Management, presented by Dr. Annapurna, Head of the Department, Computer Science and Engineering, Dayananda Sagar College of Engineering. Dr. Annapurna Dammur is a Professor and Head of CSE - Internet of Things, Cyber security including Block chain Technology at Dayananda Sagar College of Engineering. She has 23 years of teaching experience and 2 years in the industry. She is an IEEE senior member and a member of Women in Engineering. She has published about 30 papers in reputed journals and conferences, organized various technical events and IEEE international conferences, and guided technical projects for PG and PhD. She is also a technical reviewer for international conferences. Her areas of interest include Wireless Networks, Cyber Security, IoT, Cloud, and Machine Intelligence.

The session on IoT and Blockchain Management covered key topics such as the application of IoT in railway systems, crypto currency, and hashing algorithms. It provided insights into how IoT technologies are being used to enhance efficiency, safety, and real-time monitoring in railway operations. The discussion on crypto currency introduced the fundamentals of digital currencies and their growing significance in modern financial systems. Additionally, the session explained hashing algorithms and their crucial role in ensuring data security and integrity within blockchain technology. Overall, the session offered a comprehensive understanding of emerging technologies and their practical applications.

### **Day 3:**

The third day included a session on Cyber Security and Management by Dr. Sreejith S, Professor in AI/ML at New Horizon College of Engineering. Dr. Sreejith has published 50+ research articles in reputed SCI-indexed journals including high-impact venues such as IEEE Access, Measurement, Sensors and Actuators A: Physical, Materials Today Sustainability, Fuel Processing Technology, Materials Today Sustainability, Silicon, Micro and Nanostructures, Microelectronics Journal, Current Medical Imaging, Current Nano Science, Optical and Quantum Electronics, International Journal of Imaging Systems and Technology, Materials Today Communications, Journal of the Korean Physical Society, Sensing and Imaging etc.

The session focused on various types of cyber threats and highlighted the growing need for cyber security awareness in today's digital world. It covered common threats such as phishing, malware, ransomware, and social engineering attacks, explaining how these can compromise sensitive information and disrupt systems. The speaker emphasized the importance of adopting safe online practices, including the use of strong passwords, regular software updates, and cautious handling of emails and links. Overall, the session created awareness about protecting digital assets and encouraged participants to stay vigilant against evolving cyber threats.

#### **Day 4:**

The fourth day featured a session on **Total Quality Management** conducted by Squadron Leader **G. Srikala (Retd)**. Squadron Leader G. Srikala is a seasoned professional with over a decade of experience as an Executive Director in CBSE schools and as an administrator in Kendriya Vidyalayas, along with roles as a Human Resource Manager, Event Manager, and Public Relations Officer in the Armed Forces. Known for her articulate and proactive approach, she possesses excellent interpersonal and leadership skills, with the ability to manage and develop high-performing teams while maintaining a humane outlook. As a trainer and HR consultant, she has conducted recruitment and training for corporate organizations and educational institutions and is actively involved in counselling for students and adults. She is also an expert in wealth management. A multifaceted personality, she has achieved numerous accolades including "Brand of the Year 2024," a gold medal in an international karate championship, multiple marathon podium finishes, and recognition for excellence in training and management. She has also delivered talks for reputed organizations like TCS, Bosch, and Shriram Value, reflecting her wide-ranging expertise and impact.

The session on Total Quality Management (TQM) provided valuable insights into various quality improvement techniques and their practical implementation in organizations. It included discussions on key TQM principles such as continuous improvement, customer focus, and process optimization, supported by real-life case studies that helped participants understand their real-world applications. The session was made more engaging through interactive stress-buster activities, which not only refreshed the participants but also emphasized the importance of maintaining a positive and balanced work environment.

#### **Day 5:**

The final day of the programme was dedicated to **Personality Development** and was conducted by Squadron Leader **G. Srikala (Retd)**

The session focused on enhancing essential soft skills such as communication, leadership, confidence building, and time management. Various interactive activities and real-life examples were used to help participants understand the importance of positive attitude, professional behavior, and self-discipline in both personal and professional life. The session was highly engaging and motivated the participants to develop a well-rounded personality, thereby improving their effectiveness as educators and professionals.

**Mr. Praveen Kumar M.P, Head of the Training Department, MSME Technology Centre, Bengaluru**, addressed the gathering and highlighted the importance of such professional development programs for faculty members.

The programme concluded with a vote of thanks by the Head of the Department, Mechanical Engineering, and expressing gratitude to MSME for providing the opportunity to conduct the PDP. The event concluded with the National Anthem. Overall, the programme was highly

informative and beneficial, enhancing the knowledge and professional skills of the participants.

## Gallery

### Day 1:





Day 2:



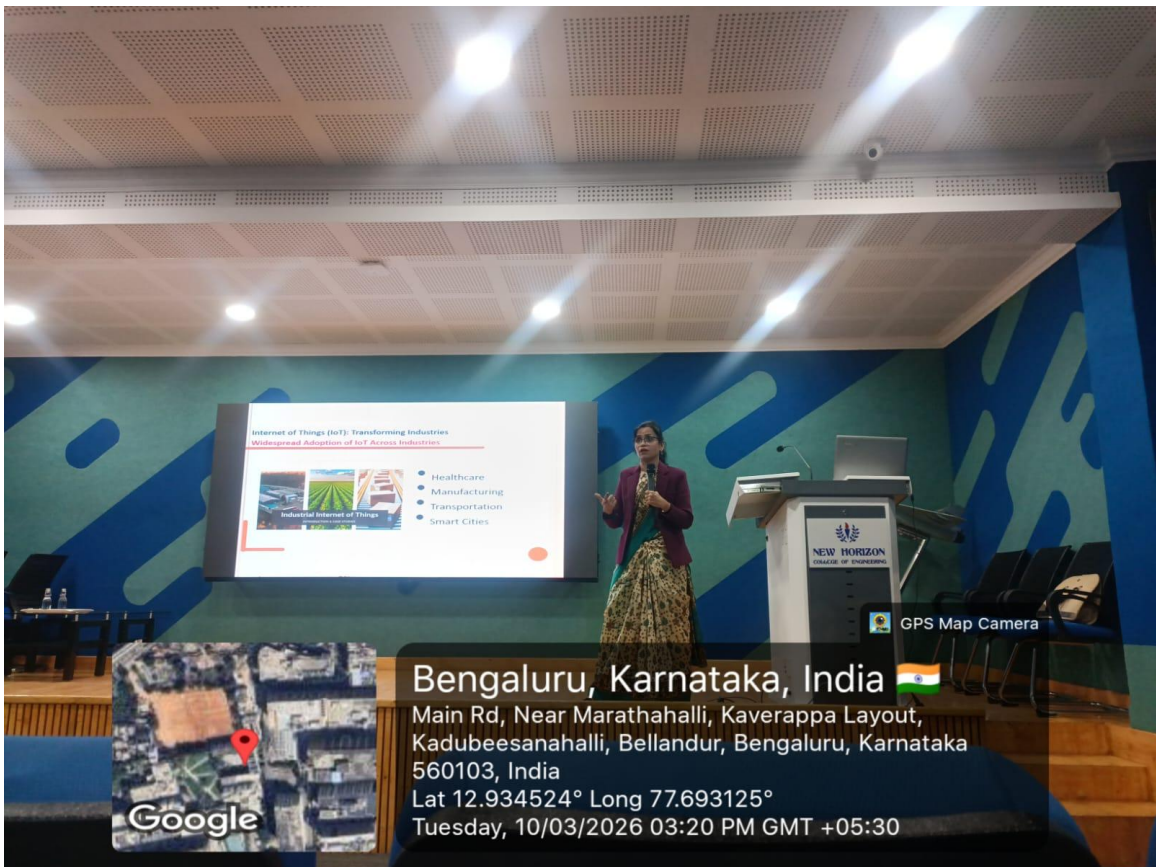
**PROFESSIONAL DEVELOPMENT PROGRAMME:  
IOT AND BLOCKCHAIN MANAGEMENT**



Speaker:  
Dr. Annapurna Dammur  
Professor and Head, CSE-IoT,  
Dayananda Sagar College of Engineering, Bangalore

**Organised by  
Department of Mechanical Engineering**







Day 3:

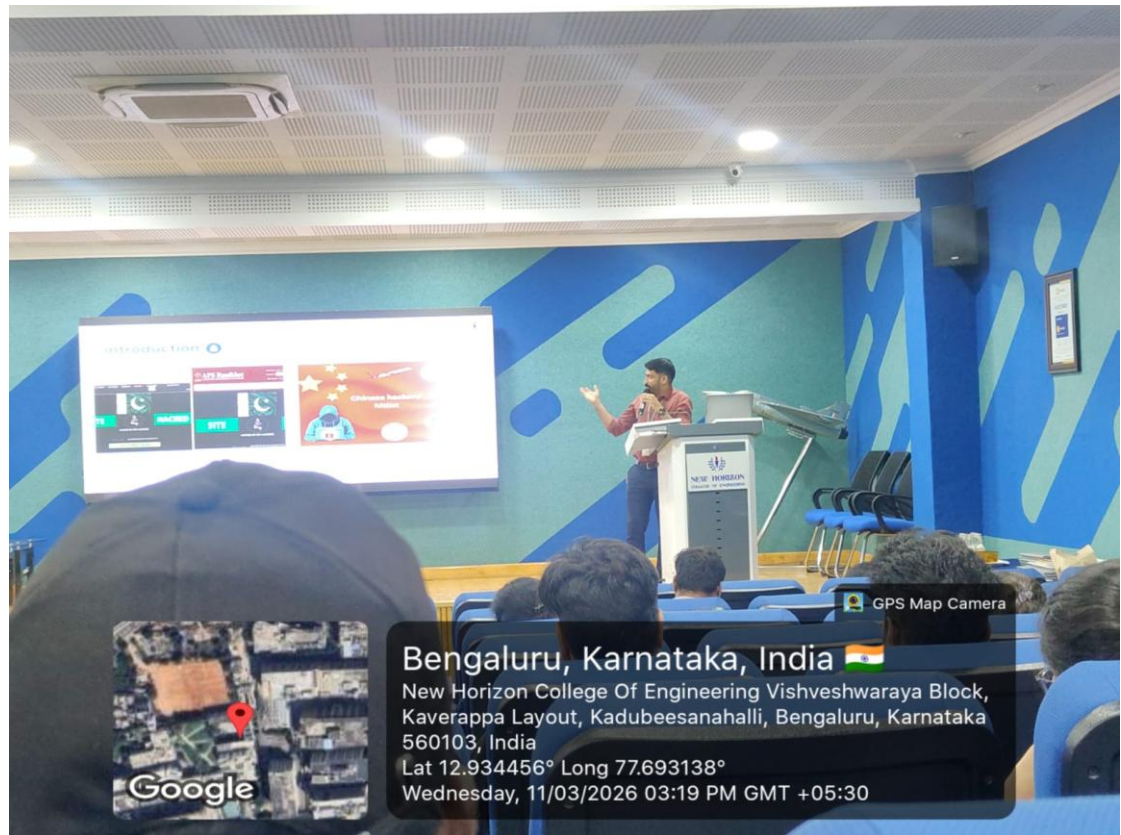


**DAY-3**  
**PROFESSIONAL DEVELOPMENT PROGRAMME:**  
**IOT AND BLOCKCHAIN MANAGEMENT**



Speaker:  
Dr. Sreejith S,  
Professor, AIML Dept  
New Horizon College of Engineering, Bangalore

**Organised by**  
**Department of Mechanical Engineering**



Day 4:





**Day 5:**



**DAY-5**  
**PROFESSIONAL DEVELOPMENT PROGRAMME:**  
**PERSONALITY DEVELOPMENT**



Speaker:  
Squadron Leader G Srikala (Retd.),  
Founder & Principal Consultant,  
Meghana Consultants, Bangalore

**Organised by**  
**Department of Mechanical Engineering**

Day 5 (valedictory program)

The invitation card features a dark red background with gold accents. At the top, it displays the logos of New Horizon College of Engineering (celebrating 25 years) and the Institution's Innovation Council. The central text reads: "We cordially invite you to the Professional Development Programme Valedictory Function". Below this, the "Chief Guests" are listed: Dr. Manjunatha (Principal), Mr. H N Suryaprakash (Registrar), Dr. R J Anandhi (Dean - Academics), Mr. Praveen Kumar (HoD - Training Department, MSME Technology Centre), and Mr. Sunil S Paladugula (Trainee Engineer, MSME Technology Centre). The "Coordinator" is Dr. Sreekanth D V (HoD - ME) and the "Program Coordinator" is Mr. Ravi Kumar (Dept - ME). The event is scheduled for 13<sup>th</sup> March 2026 at 04:30 PM in Tejas Seminar Hall. The card concludes with "Organised by Department of Mechanical Engineering | MSME Technology Centre".



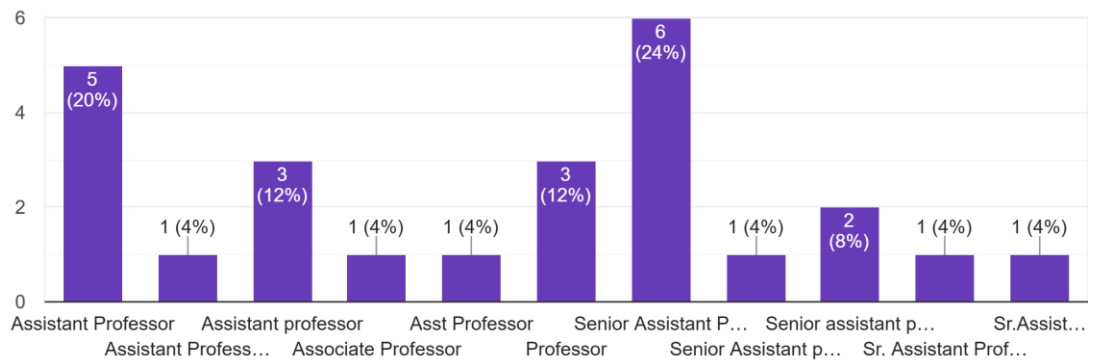




## Feedback on PDP

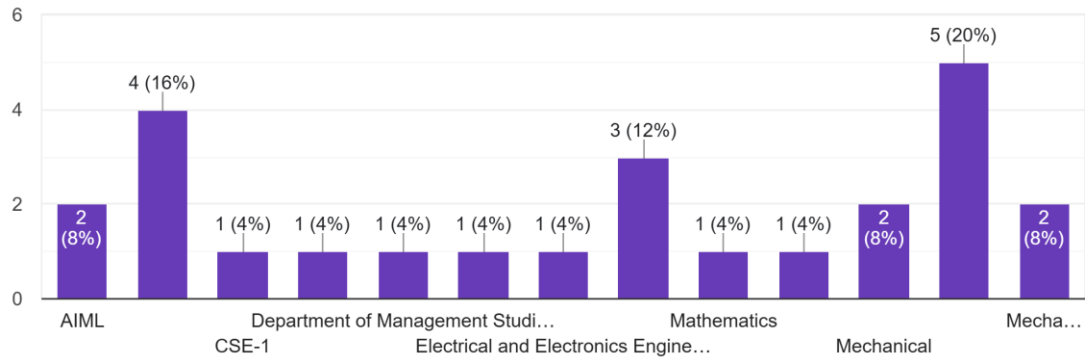
### Designation

25 responses



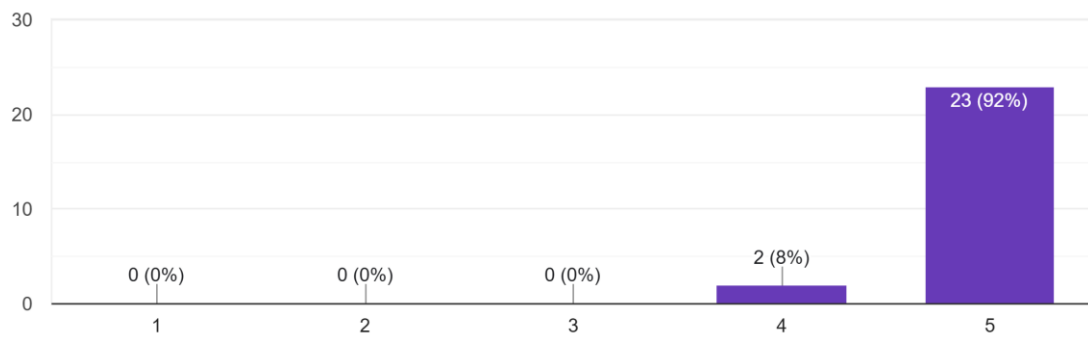
## Department

25 responses



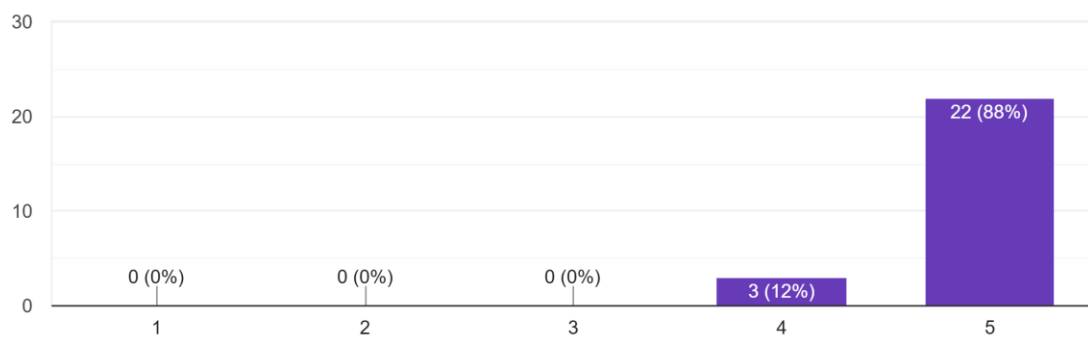
## 1. Clarity of the technical concepts explained in the talk.

25 responses



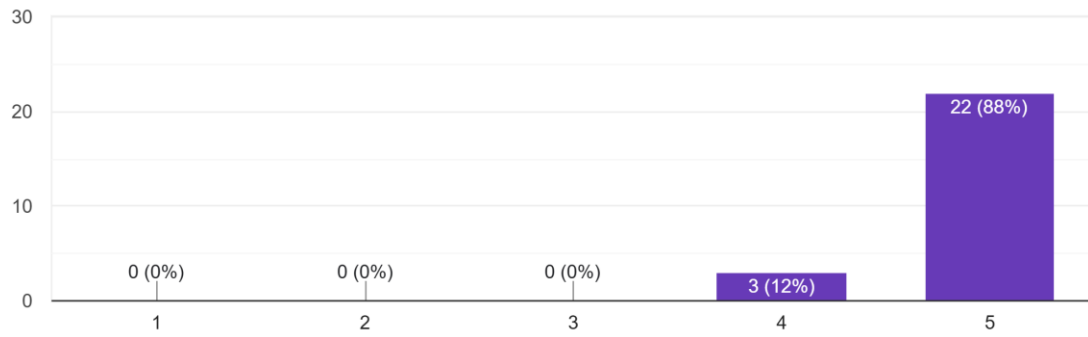
## 2. How well the speaker explained examples or demonstrations.

25 responses



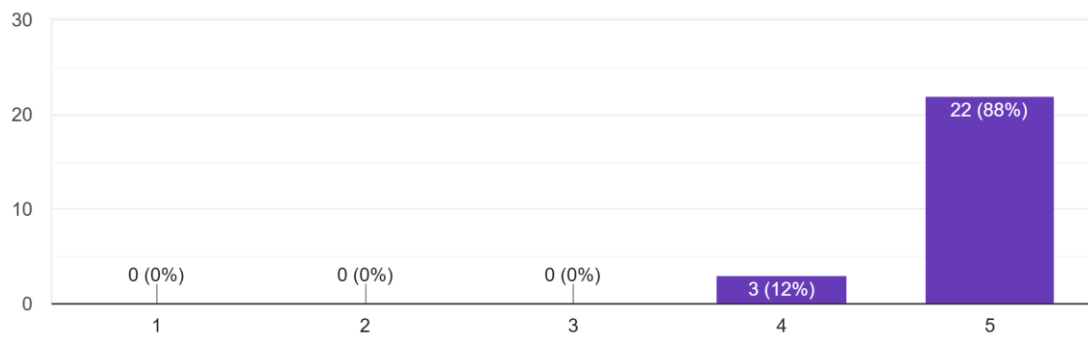
### 3. Organization and structure of the presentation.

25 responses



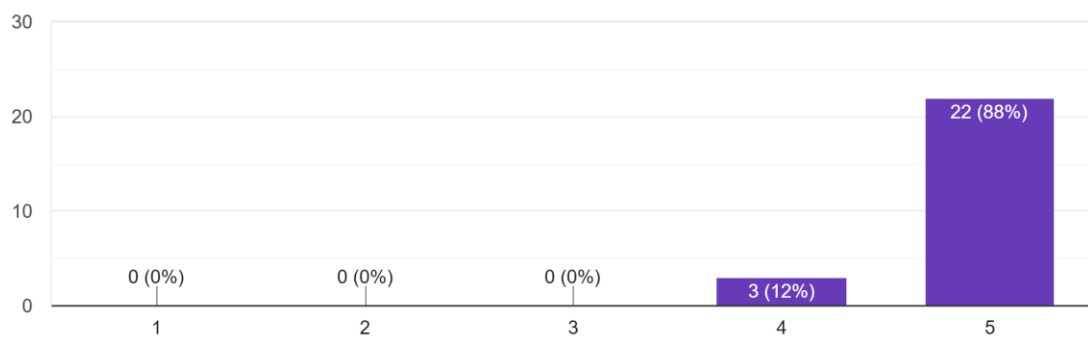
### 4. Organization and structure of the presentations.

25 responses



### 5. Overall usefulness of the Program.

25 responses



## Brochure:-

For any Further Queries Contact

Program Coordinator  
**Mr. Ravi Kumar M**  
Sr. Assistant Professor,  
Dept. of Mechanical Engineering  
Ph: 81234 83403



**NEW HORIZON**  
COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Bellandur Main Road,  
Near Marathahalli, Bengaluru 560103

Follow us





**MSME Technology Centre, Bengaluru**  
A Govt. of India Society  
Ministry of Micro, Small, and Medium Enterprises

In association with  
**New Horizon College of Engineering**

Organises a

# Five-Day Professional Development Programme

---

📅 9<sup>th</sup> to 13<sup>th</sup> March 2026  
🕒 03:00 PM to 05:00 PM  
📍 Tejas Seminar Hall, NHCE

## About the Programme

The Professional Development Programme (PDP) is a sponsored initiative by MSME Technology Centre, Bengaluru, aimed at enhancing faculty competencies in technical and soft skill domains aligned with current industrial standards.

**Key Highlights**

- Duration: 5 Days
- Dates: 09<sup>th</sup> – 13<sup>th</sup> March 2026 Time: 03:00 PM to 05:00 PM
- Certification: Government of India Participation e-Certificate
- Resource Persons: Industry Experts
- Registration Fee: No Fee (Fully Sponsored)
- Tejas Seminar Hall

**Objectives**

- To enhance technical and professional skills of faculty
- To provide exposure to latest industry practices
- To promote innovation and entrepreneurship awareness
- To strengthen academia–industry collaboration

**Benefits**

- Government of India Certification
- Skill enhancement and professional development
- Interaction with industry experts
- Fully sponsored programme

**Day Wise Schedule**

- Day 1: Electric Vehicle Management**
- Day 2: Technology Management**
- Day 3: Technology Management**
- Day 4: Personality Development**
- Day 5: Quality Management**

Scan To Register



Last date to register : 6<sup>th</sup> March 2026

Organised By  
**Department of Mechanical Engineering - NHCE**  
In association with  
**MSME Technology Centre, Bengaluru**

Chief Patron  
**Dr. Mohan Manghnani**  
Chairman, NHEI

Patron  
**Mr. Dhermesh Manghnani**  
President, NHEI

Convener <b>Dr. Manjunatha</b> Principal	Co-Convener <b>Dr. R J Anandhi</b> Dean - Academics	Organising Secretary <b>Dr. D V Sreekanth</b> HoD, Dept. of Mechanical Engineering
<b>Mr. Praveen Kumar M P</b> HoD, Training Dept., MSME Technology Centre, Bengaluru	<b>Mr. Sunil S P</b> Trainee Engineer, MSME Technology Centre, Bengaluru	