



### Details of Forum Meeting

**Title:** *Latest trends in Product Design, Industrial Automation, and CAD/CAM tools.*

**Resource Person:** Mr.N.Kumaresan, C-Cube Technologies.

**Objective:** *To provide students with exposure to modern practices in product design and development, the role of industrial automation in manufacturing, and the application of CAD/CAM tools for modeling, simulation, and Manufacturing, thereby bridging the gap through industry – academia interaction.*

A **Forum Meeting** for the **Second Year Mechanical Engineering** students was successfully conducted on **11th July 2025**, in collaboration with **C-Cube Technologies**, a leading organization specializing in CAD/CAM/CAE solutions and industrial training. The session began with a welcome address by the Forum Coordinator, who highlighted the importance of forum activities in enhancing students technical and soft skills. The **chief guest from C-Cube Technologies**, Mr.N.Kumaresan, delivered an insightful talk on the latest trends in **Product Design, Industrial Automation, and CAD/CAM tools**.

Key points discussed:

- Importance of industry-ready skills in the mechanical domain
- Introduction to software such as AutoCAD, Creo, SolidWorks, and ANSYS
- Opportunities for internships and certification programs offered by C-Cube
- Guidance on career paths in core mechanical industries

The session was interactive and highly informative. Students were encouraged to participate in upcoming technical workshops and training programs in collaboration with C-Cube Technologies





### Details of Forum Meeting

The Department of Mechanical Engineering conducted a forum meeting on **“Role of Mechanical Engineers in Real-World Problem Solving”** for mechanical engineering students on **20 August 2025**. The session was delivered by **Mr. Sivakumar Natarajan, Senior Engineering Manager, Baker Hughes, UAE**, an industry expert with extensive global experience in engineering leadership and industrial innovation.

The objective of the meeting was to guide students in understanding how mechanical engineers contribute to solving complex, real-world engineering challenges. Mr. Sivakumar highlighted the importance of structured problem-solving approaches, interdisciplinary thinking, and the ability to integrate technology, safety, and sustainability into modern engineering solutions. He emphasized how mechanical engineers play a crucial role in energy systems, manufacturing, automation, product development, and emerging sectors such as renewable energy and digital engineering.

The speaker also addressed the significance of **goal setting, strategic planning, and continuous skill development**. He encouraged students to define clear academic and career goals, develop adaptable learning habits, and cultivate professional competencies such as communication, teamwork, and leadership. Practical insights were shared on how engineers make effective decisions, handle project uncertainties, and adopt new technologies in a rapidly evolving industrial environment.

The session provided valuable guidance on **personal and professional growth**, stressing the need for lifelong learning and ethical responsibility. Students interacted with the resource person through a Q&A session, gaining clarity on industry expectations, global opportunities, and the mindset required to excel in engineering careers.





# SAKTHI POLYTECHNIC COLLEGE

Sakthinagar - 638315



## ROLE OF MECHANICAL ENGINEERS IN REAL-WORLD PROBLEM SOLVING.

A Comprehensive, developmental program designed to assist individuals in making and implementing informed educational and occupational choices.



### Presented by

Mr. Sivakumar Natarajan  
Senior Engineering Manager  
Baker Hughes, UAE.  
Alumni Mechanical 1999 Batch



### Objectives

- Set and Plan Goals
- Personal and Professional Growth
- Make decisions and Adopt



Facilitation by Dr. K.R. Muthuswamy, Director  
Presided by Dr. S. Senthil Arasu, Principal

Date: 20.08.2025  
Time.: 10:30am  
Venue: Meeting Hall, SPC

All are cordially invited.....

DEPARTMENT OF MECHANICAL ENGINEERING





**SAKTHI POLYTECHNIC COLLEGE, Sakthinagar**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**DETAILS OF FORUM MEETING: 2025-2026 (ODD SEM)**







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**HOD**

**Principal**