

Dr. S. & S. S. Ghandhy
Government Engineering College, Surat
Majura Gate, Ring Road, Surat - 395001

SSIP

Mechanical Engineering Department
 In association with
IIC, DIC & SSIP 2.0 - Cell Organizes
Expert Talk
 For Mechanical 6th Sem
 On

THE GARAGE
 [WHERE CARS ALSO BREATHE]

“Innovative trends in automotive electronics and safety”
On 30/01/2026
 Session I : 1.10 to 3.10 PM
 Session II : 3.30 to 5.00 PM

Link for Registration : <https://forms.gle/NPAkhujGj5a5F8v48>

Expert
Mr. Jainil Desai
The Garage workshop

Patron
Dr. S. R. Joshi
Principal,
DGGECE, Surat

Coordinators
Dr. M.K. Chudasama
 Associate Prof., MED.
Prof. Dimple N. Gandhi
 Assistant Prof., MED

Title:
Expert Talk on “Innovative Trends in Automotive Electronics and Safety”

Date: 30 January 2026

Organized by:
Mechanical Engineering Department,
Dr. S. & S. S. Ghandhy Government Engineering College, Surat
(In association with IIC, DIC and SSIP 2.0 Cell)

Target Group: Mechanical Engineering – 6th Semester

Number of Participants: 90 Students

Resource Person:
Mr. Jainil Desai
(The Garage Workshop)

Date: 30/01/2026

Time: 1.10 PM onwards

VENUE : M109, MECHANICAL ENGG. DEPT.

Total Participants: 90

Introduction

The Mechanical Engineering Department organized an Expert Talk on “Innovative Trends in Automotive Electronics and Safety” on 30 January 2026 with the objective of exposing students to contemporary automotive technologies and industry practices. The program aimed to bridge the gap between academic knowledge and real-world automotive applications.

The program commenced with a formal welcome of the expert by **Prof. D. N. Gandhi**, who emphasized the relevance of industry interaction and hands-on learning in modern engineering education.

Session Details

Session I – Theory (1:10 PM to 3:10 PM):

The first session focused on theoretical aspects of automotive electronics, including vehicle safety systems, electronic control units (ECUs), onboard diagnostics (OBD), and emerging trends in the automotive sector. The expert elaborated on current industry standards, technological advancements, and real-time challenges faced in automotive diagnostics and safety engineering.

Session II – Hands-on (3:30 PM to 5:00 PM):

The second session was a practical, hands-on demonstration wherein the expert brought **automotive diagnostic scanners, electronic modules, and actual vehicle components**. Live demonstrations on vehicles were conducted, enabling students to understand fault diagnosis, sensor data interpretation, and practical application of diagnostic tools. This session significantly enhanced experiential learning.

Objectives of the Program

- To provide industry exposure in the field of automotive electronics and safety
 - To familiarize students with modern diagnostic tools and techniques
 - To bridge the gap between theoretical concepts and practical implementation
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Outcomes of the Program

- Students gained practical insight into automotive diagnostic systems
 - Improved understanding of real-world automotive electronics and safety mechanisms
 - Enhanced technical awareness and industry readiness among participants
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Conclusion

The Expert Talk was highly informative and successfully met its objectives. The combination of theoretical discussion and hands-on exposure proved beneficial for the students. The program contributed significantly to skill development and practical understanding, making it a valuable academic and professional learning experience for all participants.

Glimpse of the Event:





