

One day Seminar on
“Different Product Design Techniques Used in EV Industries”

Presented by

Mr.Subbu raj. R - Manager

(CADDAM Technologies Pvt.Ltd, Chennai)

Date: 25.02.2026 | Time: 4.45 to 6.30 PM

Organized by

**School of Mechanical Sciences, BSARCIST in Association
with CADDAM Technologies Pvt.Ltd, Chennai.**

Convenors

**Dr. H. Siddhi Jailani,
Professor & Dean - School of Mechanical
Sciences,
BSAR Crescent Institute of Science and
Technology.**

**Dr. V.Muralidharan
Assoc professor & Head,
Department of Mechanical Engineering,
BSAR Crescent Institute of Science and
Technology.**

Coordinator

**Dr. S.Raviumar,
Asst Prof (Sr. Gr) / Mech,
Department of Mechanical Engineering,
BSAR Crescent Institute of Science
and Technology.**

**Dr. M.Thirumurugan,
Assoc professor & Head,
Department of Mechanical Engineering,
BSAR Crescent Institute of Science
and Technology.**

A one-day seminar on “**Different Product Design Techniques Used in EV Industries**” was successfully organized by the Department of Mechanical Engineering at B.S. Abdur Rahman Crescent Institute of Science & Technology. The event was conducted in association with **CADDAM Technologies** on **February 25, 2026**, from **4:45 PM to 6:00 PM** at the **Seminar Hall, III Floor, Mechanical Science Block..**

Objective of the Seminar

The seminar aimed to provide students with an in-depth understanding of modern product design techniques used in the rapidly growing **Electric Vehicle (EV)** industry. It focused on bridging the gap between academic concepts and real-world industrial applications, particularly in the areas of design innovation, sustainability, and advanced manufacturing.

Key Highlights of the Seminar

1. Introduction to EV Industry

The session began with an overview of the **Electric Vehicle (EV) industry**, highlighting its rapid growth, environmental significance, and future potential. The importance of transitioning from conventional vehicles to sustainable mobility solutions was emphasized.

2. Product Design Techniques

The seminar covered various modern design techniques used in EV industries, including:

- **Computer-Aided Design (CAD)** for precise modeling
- **Computer-Aided Engineering (CAE)** for simulation and analysis
- **Design for Manufacturing (DFM)** to ensure cost-effective production
- **Lightweight design strategies** to improve vehicle efficiency
- **Battery pack design and thermal management systems**

3. Role of Software Tools

Participants were introduced to advanced design and simulation tools widely used in the EV sector. The importance of integrating software solutions in product development was discussed in detail.

4. Industry-Relevant Case Studies

Real-time case studies were presented to demonstrate how design challenges in EVs are addressed using innovative techniques. These examples helped students understand practical applications of theoretical concepts.

5. Sustainability and Innovation

The seminar highlighted the significance of eco-friendly materials, energy-efficient systems, and sustainable product lifecycle management in EV design.

Participation

The seminar witnessed active participation from students and faculty members. The seminar was attended by students from EEE and Mechanical department. The session was informative and well-received, with participants showing keen interest in understanding real-world safety applications.

Conclusion

The seminar on **Different Product Design Techniques Used in EV Industries** was highly informative and beneficial for all participants. It provided valuable insights into the evolving landscape of electric vehicle technology and design methodologies.

The session successfully enhanced students' knowledge and motivated them to explore career opportunities in the EV sector. Overall, the seminar was a great success and contributed significantly to the academic and professional development of the attendees.



Coordinator (Dr.S.Ravikumar)

The participants list

| Sl no | SL No | Name | Dept | Year | Institute |
|-------|--------------|----------------------|------|------|------------------------------------|
| 1. | 220021604001 | ABHISHEK DANGAR | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 2. | 220021604002 | ARUL PHILIP. P | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 3. | 220021604003 | ASIT ROY | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 4. | 220021604004 | BAIDHYANATH PRAMANIK | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 5. | 220021604005 | BILASH ADHIKARY | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 6. | 220021604006 | BISWARUP NANDI | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 7. | 220021604007 | CHAYAN DAS MAHAPATRA | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 8. | 220021604008 | ESAKKI G | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 9. | 220021604009 | GORE MUKESH NAIK | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 10 | 220021604010 | HAMIM KATHIR. M | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 11 | 220021604011 | KALIRAJ .M | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 12 | 220021604012 | MAHENDRAN .M | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 13 | 220021604013 | MANIKANDAN .A | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 14 | 220021604014 | MANIKANDAN .J | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 15 | 220021604015 | MUTHUKARUPPAN .R | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 16 | 220021604016 | NAVIN RAJ .S | MECH | IV | BSAR Crescent Inst of sci and Tech |

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|----|--------------|-------------------|------|----|------------------------------------|
| 17 | 220021604017 | PALANIMURUGAN .N | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 18 | 220021604018 | PETCHIMUTHU .S | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 19 | 220021604019 | PRABAKARAN .S | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 20 | 220021604020 | PRODIPTA KUNGAR | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 21 | 220021604021 | ROHITH ARUN G | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 22 | 220021604022 | SACHINTHRA A S | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 23 | 220021604024 | SANTHOSH .M | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 24 | 220021604025 | SARAVANAKUMAR .M | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 25 | 220021604026 | SARAVANAKUMAR .S | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 26 | 220021604027 | SARAVANAN .S | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 27 | 220021604028 | SHANLEY DALAS .V | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 28 | 220021604029 | SURYAKUMAR .E .G | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 29 | 220021604030 | SWASTIK SAHU | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 30 | 220021604031 | VARUN RAJ .M .P | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 31 | 220021604032 | VIGNESH .P | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 32 | 220021604034 | VIJAY .M | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 33 | 220021604035 | VISHWA .P | MECH | IV | BSAR Crescent Inst of sci and Tech |
| 34 | 220041604001 | ABINAYA I | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 35 | 220041604002 | ANJANA. T | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 36 | 220041604003 | ANJITHA PUTHALATH | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 37 | 220041604004 | ANUSREE. K | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 38 | 220041604005 | ARSHA S PRAKASH | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 39 | 220041604006 | CHAITHRA. M | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 40 | 220041604007 | ISHIKA SINGH | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 41 | 220041604008 | JANVI KRISHNA. S | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 42 | 220041604009 | MARIMUTHU. A | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 43 | 220041604010 | SAINIVAS. G | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 44 | 220041604012 | SARAVANAN. S | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 45 | 220041604013 | SMITHA. K. V | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 46 | 220041604014 | TINO .K. T | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 47 | 220041604015 | VIJAYAKUMAR. R | EEE | IV | BSAR Crescent Inst of sci and Tech |
| 48 | 220041604001 | ABINAYA I | EEE | IV | BSAR Crescent Inst of sci and Tech |

One-Day Seminar on Different Product Design Techniques Used in EV Industries Poster



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Institute of Science & Technology
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“One-Day SEMINAR on”

**Different Product
Design Techniques Used in
“EV Industries”**

Organized by
Department of Mechanical Engineering
in association with
CADDAM Technologies

25th February, 2026 | 04.45 to 06.00 PM

Participants:
Mechanical, EEE, Automobile, & EIE students

Conveners

Dr. H. Siddhi Jailani
Dean - SMS

Dr. V. Muralidharan
Head - Mechanical

Coordinators

Dr. S. Ravikumar
Asst. Prof. (Sr.Gr.), Mech.

Dr. M. Thirumurugan
Asso. Prof., Mech.

Venue

**Seminar Hall, III - Floor,
Mechanical Science Block**

One-Day Seminar on Different Product Design Techniques Used in EV Industries





.25 17:05

Shot on Y50
AI Quad camera

2026.02.25 17:05

