INSTITUTION INNOVATION COUNCIL (IIC) – AVIT
DEPARTMENT OF MECHANICAL ENGINEERING

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Program Driven by IIC Calendar Activity/ MIC Driven Activity/ Celebration Activity/Self driven activity	IIC Calendar Activity		
Event Title	Value Added Course on "FUTURE PERSPECTIVES ON ELECTRIC VEHICLE TECHNOLOGIES"		
Resource Person	Dr.M.SaravanaKumar, Assoc.Prof./Mech Mr.A.Imthiyas, Asst. Prof. GII/Mech		
Academic year	2024 - 25	Date: 04.03.2025	
Program Type Level 1 - Expert Talk/ Exposure Visit/ Mentoring Session (2 to 4 Hours) Level 2 – Conference / Exposure Visit / Seminar / Workshop (5 to 8 Hours) Level 3 – Bootcamp/ Competition/ Demo Day/ Exhibition / Workshop (9 to 8 Hours) Level 4 – Challenges/ Hackathon/ Tech Fest (Greater than 18 hours)	Level 3		
Program Theme IPR & Technology Transfer / Innovation & Design Thinking / Entrepreneurship & Startup / Pre-Incubation & Incubation Management	Entrepreneurship & Startup		
Start date & End Date (DD/MM/YYYY)	25.02.2025	01.03.2025	
Duration of the activity (in Mins) & Start Time & End Time	Duration: 720 Mins.	Start Time: 03.30 PM	End Time: 05.30 PM
Participants	Students:33 (Min. 40 Students)	Faculty:	External:Nil
Mode of session (online / offline) * Online Video Url compulsory	Offline		
Event Organizer / Coordinator Faculty Name / Department / Designation	**Dr.S.Sangeetha,** **Mechanical Engineering, Professor**		

	Innovation Ambassador, IIC - AVIT
Expenditure	Nil
Objective (100 letters only)	The main objective is to make the students get to work with EV components, such as batteries, motors, and charging systems, provide them with hands-on experience.
Benefits in terms of learning/skill/Knowledge obtained (150 letters only)	The Course was organised to provide an overview of the fundamental aspects of electric vehicles, highlighting their benefits, technological components, and the ongoing efforts to overcome existing challenges.

Report:

The Department of Mechanical Engineering AVIT jointly in association with Institution Innovation Council (IIC-AVIT) organized a Value Added Course on "FUTURE PERSPECTIVES ON ELECTRIC VEHICLE TECHNOLOGIES" from 25.02.2025 to 01.03.2025. Dr.G.Selvakumar, Principal, AVIT presided over the event with his presidential address. Dr.L.Prabhu, President, IIC enriched the participants about the transformative shift in the automotive industry, leveraging advancements in technology to address environmental, economic, and social challenges.

Dr.M.SaravanaKumar, Assoc.Prof. and Mr.A.Imthiyas, Asst. Prof., Department of Mechanical Engineering delivered the session on "FUTURE PERSPECTIVES ON ELECTRIC VEHICLE TECHNOLOGIES". The syllabus covered the future of electric vehicle (EV) technologies is set to be revolutionized by advancements in battery efficiency, faster charging solutions, and increased driving range through lightweight materials and energy recovery systems. Smart and autonomous systems will enhance connectivity, optimizing energy usage and integrating with smart grids. Sustainability efforts will focus on renewable energy-powered charging and improved battery recycling. Market growth, cost reductions, and supportive government policies will accelerate global EV adoption, making them more accessible and environmentally friendly. These innovations will drive the transition towards a cleaner, smarter, and more efficient transportation future.

Outcome

The future of electric vehicle (EV) technologies will be characterized by advancements in battery efficiency, ultra-fast and wireless charging, extended driving range, and integration with smart and autonomous systems. Sustainability efforts will focus on renewable energy-powered charging, improved battery recycling, and the use of eco-friendly materials.

Event Photos

List of Faculty Members:

SL. NO.	NAME OF THE STUDENT	DESIGNATION
1	Dr.M.Saravana Kumar	Associate Professor
2	Mr.A.Imthiyas	Assistant Professor

List of Participants:

SL. NO.	REG. NO.	NAME OF THE STUDENT
1	3442310501	AKASH A
2	3442310502	SURIYA.K
3	3442420501	HAVISH.R
4	3442420502	JAGADEESHWARAN P
5	3442420503	LAWRANCE JOSHVA H
6	3442420504	SERALATHAN.S
7	3442420505	THEN KUMAR.D
8	3442453501	DHANUSH R
9	3442453502	GODWIN BIJU
10	3442113510	PRAVEEN V
11	3442113512	RANJITH KUMAR V
12	3442210501	ANKIT KUMAR
13	3442210502	DHANUSH M
14	3442210503	EJAZ AHAMAD
15	3442210505	JAMES ANDREWS
16	3442210506	KRISHNA KUMAR
17	3442210507	NILESH KUMAR MAURAYA
18	3442210508	NITHISH KUMAR S
19	3442210509	PRABHAT KUMAR RAM
20	3442210510	SUKUMAR RAY
21	3442210511	SURYA R

22	3442223501	SUGUMARAN G
23	3442320502	IYYAPPAN S
24	3442320503	MUKILAN G
25	3442320504	NAVEEN ANAND J
26	3442455501	ABHISHEK A
27	3442455502	DEVAK RAJ K
28	3442455503	HARI KRISHNAN J P
29	3442455504	ROHITH
30	3442455505	VYSAKH VISWAM A B
31	AVIT-25-26-6213	AMITH VARGHESE SUNNY
32	3442457501	AKASH P
33	3442457503	ROXBIN J J