



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



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**DEPARTMENT OF MECHANICAL ENGINEERING &  
NATIONAL INSTITUTION FOR QUALITY AND RELIABILITY – STUDENT CHAPTER**

**Report – Webinar on “Overview on Electric Bus Development”- 14<sup>th</sup> June 2021**

**Resource person: Mr. Nandakumar Anandharamna,**  
Consultant ,  
EV Energy Management Solutions & Aggregates Development  
Chennai.

Department of Mechanical Engineering in association with National Institution for Quality and Reliability organised a Webinar on “**Overview on Electric Bus Development**” on **14<sup>th</sup> June 2021**.

**The topics covered in Webinar**

- EV Global & Indian scenario
- Government initiatives : FAME –II Proposal by NITI Aayog
- E-mobility in India
- EV Architecture, Technical brief of EV Aggregates
- Overview of Battery pack development
- Production plan and challenges in Battery

**Webinar Outcome**

- It provide the awareness of EV Technology, Industry Challenges ahead
- Encourages contributing towards global initiatives on use of green energy concepts
- Recommends carving a niche career for yourself by embracing the future
- Overview of Battery pack development
- Production plan and challenges in Battery

The Webinar was coordinated by Mr.S.Kalyanakumar, Assistant professor Grade-II. Prof L.Prabhu VP (Admin) & HOD Mechanical Department has given the presidential address. The chief guest Introduction was given by Mr.S.Kalyanakumar, Assistant professor Grade-II Department of Mechanical Engineering . Total no. Of participants were around 127 attended the webinar and Vote of Thanks by Mr.A.Imthiyas, Assistant professor Grade-I.

Poster :

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The Department of Mechanical Engineering in association with  
National Institution for Quality and Reliability (NIQR)  
Organizes

# WEBINAR ON OVERVIEW ON ELECTRIC BUS DEVELOPMENT

DATE : 14.06.2021, Monday  
TIME : 11.00 am

INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

Name of the Resource person:

**Mr. Nandakumar Anantharaman**  
Consultant - EV Energy Management Solutions &  
Aggregates Development

**Dr. G. Selvakumar**, Principal., AVIT  
**Prof. L. Prabhu**, Vice Principal (Admin.) - AVIT &  
HOD / Mech, President - IIC / AVIT

Event Coordinator:

**Mr. S. Kalyanakumar**, Assistant Professor - Grade II - Mech

Registration link : <https://forms.gle/wW5ffXYtScRdidSV7>

For Admission Contact @ +91 87545 52018, +91 97894 81724, +91 87545 41024

Virtual Mode: Microsoft Teams



# EV Appreciation Session – Contents

- 1) EV Global Scenario
- 2) Indian EV Scenario
- 3) Government Initiatives : FAME–II Proposals by NITI Aayog
- 4) EV Architecture, Technical Brief of EV Aggregates
- 5) Overview of Battery Pack Development, Production Plan & Key Challenges

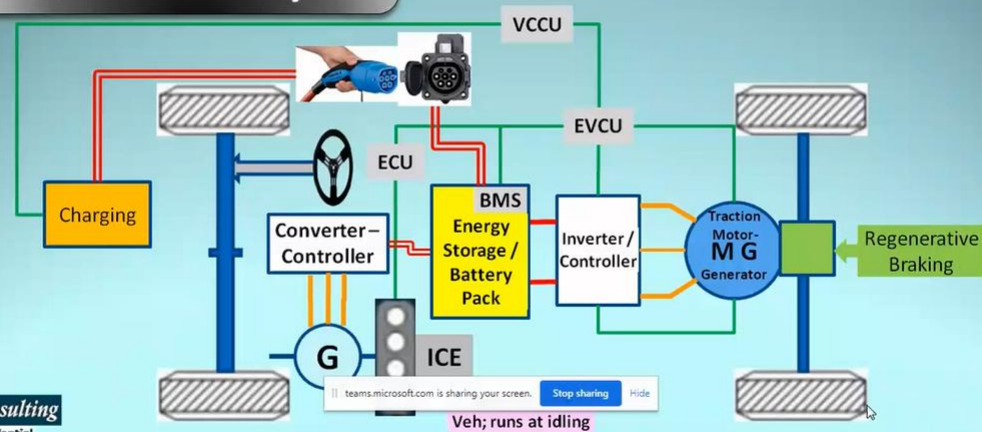
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# EV Vehicle Architecture – Overview

## PHEV – Series Hybrid



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WEBINAR - OVERVIEW ON ELECTRIC BUS-20210614\_111301-Meeting Recording

03:59

6:14 PM 6/16/2021