



VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

**AUTOMOTIVE
RESEARCH CENTRE (ARC)**

**6-MONTH
VEHICLE DEVELOPMENT
CHALLENGE**

ARC OPEN CHALLENGE 2026

ICE → ELECTRIC

MOTORCYCLE RETROFIT CHALLENGE

Re-engineer an existing motorcycle for electric mobility.



**ICE VERSION
(Existing)**



**ELECTRIC VERSION
(Retrofit)**



An initiative of



VEHICLE STUDIO LAB

Automotive Research Centre (ARC)

REAL VEHICLE

REAL ENGINEERING

REAL IMPACT

6-MONTH PROJECT JOURNEY



Concept
& Team Formation



Design
Review



Development
& Integration



Testing
& Validation



Final
Demonstration



TEAM FORMAT

5-MEMBER

INTERDISCIPLINARY TEAM

Open to undergraduate and postgraduate students from any department.

KEY BENEFITS FOR STUDENTS



Certificate
& Recognition



Industry
Exposure



Hands-on
EV Development



**ONE SELECTED TEAM WILL BE FUNDED
FOR THE ENTIRE VEHICLE DEVELOPMENT.**

Coordinator
Dr. Senthil Vel M

Lab In-Charge - Vehicle Studio
Assistant Professor (Senior Grade 1)
Automotive Research Centre (ARC)
Vellore Institute of Technology

INNOVATE | COLLABORATE | BUILD A SUSTAINABLE TOMORROW



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