

# Seminar

Friday Nov. 08, 2024 @ 2:00 PM  
Venue: FMIE Seminar Room

**Bahir Dar Institute of Technology**  
**FMIE**  
**Automotive & EM Chair**



**Dr. Rajendiran G.**

## Short Biography

Dr. Rajendiran Gopal, working as Professor, Automotive Engineering Program under Faculty of Mechanical and Industrial Engineering at Bahir Dar Institute of Technology, Bahir Dar University. He holds First class Bachelor of Automobile Engineering at Government College of Engineering, Erode (IRTT) under Bharathiyar University, Coimbatore, India and First class Master of Thermal Engineering, at Government College of Engineering, Erode (IRTT) under Anna University, Chennai. He completed Doctorate of Philosophy (PhD) in Mechanical Engineering from Government College of Engineering, Erode (IRTT) under Anna University, Chennai. He has teaching and research experience of 22 years out of which 10 years in Ethiopia. His area of research interest includes internal combustion engines, Alternative Fuels, Vehicle Dynamics, Vehicle Body Engineering and Electric and Hybrid Vehicles. He published 49 research articles in International journals and conferences. Under his guidance 4 research scholar completed Doctorate degree and 2 candidates are continuing their PhD research and 14 students completed Masters in Automotive Engineering and 9 students doing MSc. in Automotive Engineering. .

## Electric Vehicles: Global Statistics, Opportunities, and Challenges in Ethiopia

### Abstract

Increasing energy demand and foreign exchange are forcing most countries to shift toward electric vehicles. Most of these countries have made decisions based on their electrical energy supply and demand balance. Ethiopia is one of the countries that has implemented restrictions on passenger cars running on fossil fuels. This seminar will explore the recent global electric vehicle (EV) adoption, analyzing key statistics that highlight EV production, sales, infrastructure, and technological perspectives in the sector. The seminar will then focus on Ethiopia's strategic position within this movement by examining both the opportunities for EV integration. This will cover current energy sources, infrastructure required, policy gaps, and high vehicle import costs. Finally, the topic will discuss research opportunities to be carried out in EV adoption in Ethiopia, focusing it within a country and also on components to be imported..