#Delighted to Announce#

We are proud to share that the Centre for System Design (CSD) has received funding from the **Anusandhan National Research Foundation (ANRF)**, Government of India, under the prestigious Mission for Advancement in High-Impact Areas (MAHA) – Electric Vehicle (EV) Mission.

Project title: Rare Earth Magnet Free Axial Flux Synchronous, Radial Flux Switched Reluctance Motor and their Controllers for EV Applications.

💰 **Project Cost:** ₹10.33 Crores
🏛️ **Lead Institute:** National Institute of Technology Karnataka (NITK), Surathkal
🤝 **Partnering Institutes:**

- Indian Institute of Technology Madras
- Indian Institute of Technology Hyderabad
- Centre for Development of Advanced Computing, Trivandrum

🔍 **Project Overview:**
This project aims to develop advanced indigenous magnet-free electric traction motors (switched reluctance motors and synchronous reluctance motors) to accelerate India's transition to sustainable mobility.

NITK has been selected as one of the seven Electric Mobility Nodes (E-Nodes) under this prestigious programme.

👨‍🏫 **Faculty Members Involved (Lead Institute):**

- Dr. K V Gangadharan, Professor, Dept. of Mechanical Engineering, NITK (Lead – PI)
- Dr. B Venkatesa Perumal, Professor, Dept. of Electrical and Electronics Engineering, NITK (PI)
- Dr. Jeyaraj P, Professor, Dept. of Mechanical Engineering, NITK (PI)
- Dr. Sandesh Bhaktha B, Assistant Professor, Department of Aeronautical & Automobile Engineering, Manipal Institute of Technology, MAHE,Manipal (Co-PI)

Student members involved

- Mr. Neil Jose
- Mr. Sarath Kannan

Industry partners involved

- **Aditya Auto Products & Engineering (India) Private Limited, Bangalore**
- **Brevera Technologies Private Limited, Mangalore**
- **Lucas TVS – Chennai.**
- **Semtronics Limited – Chennai**
- **HBL Engineering Limited, Hyderabad (Industry Partner)**
- **Lionstead Ventures, LLP**

We are honored to lead this collaborative effort and are committed to delivering impactful outcomes that align with national priorities such as **#AtmanirbharBharat**, **#MakeInIndia**, and **#GreenTechnology**.

News articles

https://www.energetica-india.net/news/anrf-shortlists-7-high-impact-projects-e-nodes-to-promote-rd-under-maha-ev-mission

https://www.businessworld.in/article/seven-research-hubs-named-under-anrfs-maha-ev-mission-to-drive-electric-mobility-innovation-555748

https://www.thestatesman.com/business/anrf-selects-7-e-nodes-under-maha-ev-mission-1503429003.html

https://www.constructionworld.in/policy-updates-and-economic-news/seven-high-impact-e-node-projects-chosen-under-maha-ev-mission/73145