



K J's Educational institute
KJ COLLEGE OF ENGINEERING AND MANAGEMENT RESEARCH,
PUNE

ELECTRIC VEHICLE LAB AND STARTUP

Explore the Future of Mobility

Are you ready to experience the cutting edge of automotive technology? Our Engineering Institute is thrilled to invite students and faculties from other engineering colleges to visit our state-of-the-art



Electric Vehicle Lab. With a focus on sustainability, innovation, and hands-on learning, we offer a unique opportunity to explore the future of mobility.

Why Visit Our Electric Vehicle Lab?

- **Exclusive Access:** Witness the latest advancements in electric vehicle technology and witness the innovative projects developed by our students.
- **Hands-On Experience:** Get a chance to interact with our electric four-wheeler and two-wheeler prototypes, learning about their design, performance, and environmental impact.
- **Expert Guidance:** Engage with our experienced faculty and students who will guide you through the lab, answer your questions, and share insights into the development process.

- **Networking:** Connect with like-minded individuals from different engineering colleges and foster collaborations for future projects and research opportunities.

Explore Our Electric Fleet

Electric Four-Wheeler

Experience the power and elegance of our electric four-wheeler. Learn about its cutting-edge battery technology, electric motor, and advanced safety features.

Electric Two-Wheelers

Witness the future of urban commuting with our two electric two-wheelers. Discover their compact design, efficient electric engines, and green transportation solutions.

When Can You Visit?

We welcome visitors throughout the year. Please contact us to schedule your visit in advance so we can ensure you receive the best experience during your time at our lab.

Contact Information

For more details and to schedule your visit, please reach out to:

[Your Name] [Your Position] [Your Email] [Your Phone Number]

[Back Page: Pictures of Engaged Visitors Exploring Electric Vehicles]

Join Us in Shaping the Future of Electric Mobility!

Your Visit Itinerary

Introduction and Welcome

- **Time:** 10 AM
- **Location:** Electric Vehicle Lab Entrance
- **Activity:** A brief introduction to the lab and its mission, followed by a warm welcome to all guests.

Lab Tour

- **Time:** 11 AM
- **Location:** Electric Vehicle Lab
- **Activity:** Guided tour of the lab, showcasing the electric four-wheeler and two-wheelers, along with demonstrations and explanations from our experts.

Interactive Session

- **Time:** 12 AM
- **Location:** Seminar Hall
- **Activity:** Engage in an interactive discussion with our faculty and students. Learn about the development process, sustainability, and the future of electric vehicles.

- **Demonstration of electric vehicle lab practical**

- **Time:** 2 PM

1)VI characteristics of Brushless DC motor.

2)Design of battery Management System for unit cell and testing.

3)BMS protection circuit design and development.

4)BMS under voltage over voltage protection observations.

5) Temperature measurement on full load and no load d on battery, controller and motor.

6)Demonstration of controller used for motor speed controlling waveform observation on CRO.

7)Design of lithium ion battery packs as per vehicle requirement.

8)Observation of throttle sensor operation.

9)Electric vehicle wiring observation with demo.

10)Approvals and certificate.

- **Location:** Electric Vehicle Lab.

- **Activity**

- **Study and measurement of**

- **Conclusion and Departure**

- **Time:** 4 PM

- **Location:** Electric Vehicle Lab Entrance

- **Activity:** A brief conclusion to your visit, including a chance for final questions and farewells.

Long term guidance for making Electric Vehicle related project.

Roll of engineers to save environment with Electric Vehicle Technology.

Location: Electric Vehicle Lab.

Near Khadimachine Chowk, Kondhwa Annexe, Pune 411 048;

Phone 7588954954; Principal, KJCOEMR - 9881196166; Mobile: 7447785023 / 7447785025

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Don't miss this fantastic opportunity to explore the world of electric vehicles, sustainability, and innovation. Contact us today to schedule your visit and be a part of the electrifying journey towards a greener, smarter, and sustainable future.

Our Mission:

"To foster innovation, promote sustainability, and advance the field of electric vehicles through cutting-edge research, education, and hands-on experience."

Our Vision:

"To be a leader in sustainable transportation solutions, inspiring the next generation of engineers to drive the world towards a greener future."

Your Institute Address: Near Khadimachine Chowk, Kondhwa Annexe, Pune 411 048; Phone: 8446021199 , 8446031199 ; Principal, KJCOEMR - 9881196166 ; Mobile: 7447785023 / 7447785025 ...

Institute Website: <https://www.kjei.edu.in/kjcoemr/>



EXPERIMENTAL LIST

1. Demonstration of Active& passive Cell balancing of various batteries
2. Modeling and Simulation of electrical vehicles dynamics design.
3. Analysis of motor parameters with acceleration and braking modes.
4. Hands on training on Design of battery banks with advanced machinery schemes.
5. Data acquisition system of on load batteries with cloud storage systems.
6. Design and development of automated hybrid powered charging station.
7. Protection scheme of EV from temperature, over voltage and over current.
8. Business model of EV, charging station and Baas Systems.


1. COLLAGE LOGO, EV LAB LOGO, PARTNERS LOGO, SPECIFICATIONS OF LAB.
2. NEED OF EV LAB IN JOPBS AND ENVIRONMENT AND OTHER SECTORS.
3. INNOVATIONS IN THE EV LAB.
4. SOP AND LIST OF HANDS ON PRACTICAL
5. SCHEDULE OF THE VISIT AWARDS
6. REGISTRATION LINK, CONTACT DETAILS

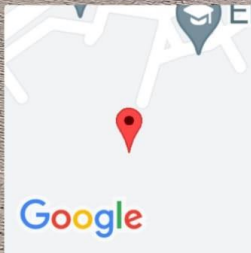
Gallery







 **GPS Map Camera**



Pune, Maharashtra, India

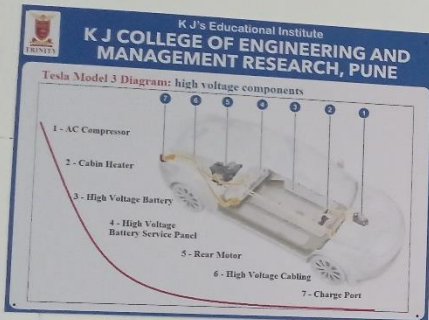
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Long 73.906323°

15/08/23 09:20 AM GMT +05:30



BODY DESIGN AND DEVELOPMENT SECTION

