

About the Program:

Electric Vehicles (EV's) are serving as emerging future technology in Automobile sector, which includes mainly Mechanical and Electrical Streams of Engineering. The main objective of EV is pollution free day-to-day mobility of people, save fossil fuels, etc., AXPL Ltd conducts Awareness programs, Events & Workshops related to Electric Vehicles with an aim to promote "Pollution Free Transportation" in India. This workshop is going to be conducted in Online mode, in which students will get to know about the real time problems what we face while handling basic design and operation of Electric Vehicles and it is also about opportunities for aspiring entrepreneurs in India.

Curriculum of the Program:

Session-1

1. Sustainable Transportation & Our motto
2. Types of EV & Major components of EV
3. Comparisons

Session-2

1. EV Design and Development
2. Power train selection part 1 & part2
3. Battery management system
4. Complexity of controlling
5. Advantages and disadvantages

Session-3

1. AIS (Automotive industry standards)
2. Electric vehicle power train
3. Retro fitment auto : Market Potential & Challenges

Session-4

1. Types of chargers
2. Grid integration issues
3. Renewable energy
4. Indian standard charging techniques

Session-5

1. Automation
2. Telemetric

Session-6 :

1. Future technologies : FCEV
2. Thermal, Solid state, AI, Graphene

3. Business opportunities,
4. EV Schemes and Export opportunities

About AXPL:

AXPL is working on electricity, water system, transportation and agriculture projects. The focus is on bringing automation, improvisation and integration with **power sector**, new and renewable energy and future electric transportation. AXPL also uses technical upgradation in converting all diesel or petrol vehicles to **electric vehicles**, and retrofitting by using the residual asset value of automobile, to create a system which is same or more efficient than the regular auto.

Vision:

Our vision is to be lead Entrepreneur for Technology in E-Vehicles and to contribute world through excellence in Scientific and Technical Education & Research and remain source of pride for all Indians.

Mission:

Our Mission is to adopt EV Technology and share the technology to different sectors of E-Vehicles Start-ups, by undertaking collaborative projects which offers opportunities for long term interactions.

About Hosting College:

Maharaj Vijayaram Gajapathi Raj College of Engineering was established in the year 1997 under the aegis of "MANSAS" Educational trust, founded by the Raja Saheb of Vizianagaram, Dr. PVG Raju in 1958. The college is located at Vijayaram Nagar campus, Chintalavalasa, Vizianagaram, Andhra Pradesh. The college offers 7 B.Tech. programmes namely EEE, ECE,

Mechanical, Civil, CSE, Chemical Engineering and IT & P.G. programmes in Power Systems, Machine Design, VLSI, CSE, Structural Engineering, CNIS and Business Administration. It is accredited with "A" grade by NAAC of UGC. Also UGC has conferred Autonomous status to making its untiring efforts to attain its objective of imparting qualitative technical education. In addition to curricular programs, the institute constantly strives to

update its faculty and students by conducting Workshops, Conferences, Seminars and Guest Lectures in the emerging fields.

Department of EEE:

The Department has state-of-art infrastructure that caters to the outcome based teaching-learning. It has a strong team of qualified & experienced faculty members with a right blend of industry, institution and R&D exposure that supports teaching-learning requirements. In addition to curricular exposure, department strives to keep students aware of the pragmatic needs of the industry for the improvement of employability and professional development. Keeping this in view department has signed MOU with SIEMENS India Pvt. Ltd. to bridge the gap between industry and academia for imparting training to students in the areas of AC/DC Drives, PLC-Automation etc. and it has been equipped with MATLAB, LabVIEW, PSCAD etc.

Objectives of the Program:

- Awareness about upcoming EV Technology.
- To encourage the students for developing EV Projects.
- Based on the performance in workshop, students will get free Online Course access.

Resource Persons:

ASISH PANIGRAHY (Founder & Business Head, AXPL)
+91 83277 67456 / +91 81148 26766
SUDHEER LEKKALA (Founder & EV Technical Head, AXPL)
+91 83277 67456 / +91 81148 26766
asiurza.xtech@gmail.com / **www.axpl.in**

Eligibility : Interested students/faculty
/Entrepreneurs/Industry

Chief Patrons

Sri. P. Ashok Gajapathi Raju Chairman,
MANSAS Ms. P Aditi Gajapathi Raju Member,
Trust Board, MANSAS

Patron

Dr. K.V.L. Raju, Correspondent, MANSAS &
Principal, MVGR

Members

Dr. YMC Sekhar, Vice-Principal
Dr. Ch. Purnachandra Rao, Dean (A & E)
Dr. K Rajeswara Rao, Dean (Civil Infrastructure)
Dr. TVN Partha Sarathi, Dean (Exams)
Prof. PS Sitharama Raju, Dean (IQAC)
Prof. P. Ranga Raju, Dean (Admin)
Dr. R Ramesh, Dean (Research & Development)
Dr. DR Prasada Raju, Dean (Faculty Development)
Dr. P. Ravindranadh. Dean (Strategic Planning)
Dr. GVSSN Sannyasi Raju, Dean (Finance)
Dr. M. Sunil Prakash, Dean (T&P)
Dr. S. Mohan Kumar, Dean (Students)
Dr. S Chandramouli, Professor, Civil

Faculty Co-ordinators

Mr. K.S. Ravi Kumar, Associate Professor
Mr. S M K Patnaik, Assistant Professor Mrs.
K. Krishna Kumari, Assistant Professor

Student Co-ordinators

Vivek(EEE) - 8367544516
Shashank (EEE) – 7093159789

Workshop Dates:

12th to 14th November, 2021

Registrations upto : 18-11-2021

Registration Fee details:

IET Members of MVGR : Rs.500/-
Non IET Members of MVGR: Rs.550/-
IET Members of Non-MVGR: Rs. 600/-
Non IET Members of Non-MVGR: Rs. 650/

ONLINE Registration fee payment : Phone Pe -- 9182518194

Registration form : <https://forms.gle/CUTiyksmz2GW23xn6>

NOTE : Registration form filling is a MUST



AN IET SPONSORED 3-DAY STUDENT ONLINE WORKSHOP ON

**Electric Vehicle Technology and
Opportunities in India.**
19th to 21st November, 2021

Sponsored by:



Organized by:

Dept. of Electrical & Electronics Engineering
MVGR College of Engineering(Autonomous)
(Approved by AICTE, New Delhi, Accredited by
NBA of AICTE, grade 'A' by NAAC of UGC and
Permanently Affiliated to JNTUK) Chinatalavalasa,
Vizianagaram, Andhra Pradesh - 535005

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at

**Department of Electrical and Electronics Engineering
MVGR College of Engineering, Vizianagaram**

REGISTRATION FORM

Name Dr./Mr./Mrs./Ms.:

Qualification:

Department:

College/University:

Address:

Mobile:

Email id:

Amount in Rs:

Declaration:

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme.

Place:

Date:

Signature of the Applicant