

GOVERNMENT ENGINEERING COLLEGE

SECTOR-28, GANDHINAGAR-382028



REPORT

EEMOCO-2026 **ELECTRICAL/ELECTRONICS BASED MODEL COMPETITION**

Organized by

Electrical Engineering Department

G.E.C, Gandhinagar

April 8, 2025

A working model competition was organized by Electrical Engineering Department on 4th April 2026, at Government Engineering College, Sector-28, Gandhinagar. Under the event “**EEMOCO-2026**”, Students of various disciplines participated with great enthusiasm. Each student presented different concept based working models made by their group and were observed and highly appreciated by the principal, coordinators of various departments as well as faculty members from various disciplines.

Total of 24 teams registered in the event, a total of 103 students were selected through the qualifying rounds to participate in the finals. All students were awarded by a participation certificate and the three winner teams were also awarded with a winning certificate. The main objective of doing this event was that the student get start up related encouragement from now on and can go further in that direction and do commendable work.

Flyer of the Event



**GOVERNMENT ENGINEERING COLLEGE,
GANDHINAGAR**

ELECTRICAL ENGINEERING DEPARTMENT

EEMOCO-2026

ELECTRICAL/ELECTRONICS BASED MODEL COMPETITION

Venue:

**Electrical Lab, Block-3,
Electrical Department**

Date: April 04,2026

Time: 11:00 AM TO 01:00 PM

Event Coordinator

Prof. P. R. BHAVSAR Prof. N. D. PATEL Dr. S. P. AGRAWAL

Dr. Kunal A. Bhatt

**Co-ordinator,
Electrical Department**

Dr. Sweta P. Dave

**Principal,
GEC-Gandhinagar**

EEMOCO-2026 (PROJECT LIST)

SR NO	NAME OF PROJECT	TEAM MEMBERS	BRANCH
1	IoT BASED SMART PARKING SYSTEM	RABARI VIHAR RAJUBHAI	BM
		SUBRAMANYAM SHRIWASH	
		NAGAR DHARUVIL LALITBHAI	
		SUKHADIYA KANISHA CHETANBHAI	
		SUNIL SARADHANA	
2	LASER BASED AUDIO TRANSMISSION SYSTEM	RATHOD RAJAT	BM
		KRISH PATEL	
		PRAJAPATI CHETAN UMASHANKAR	
		PATEL SHUBHAM DHIREN	
3	SELF STABILIZING SPOON FOR PARKINSON'S PATIENTS	ASTHA RATHOD	BM
		BHANDERI MAITRI	
		DIYA PATEL	
		PRAJAPATI AARADHANA AMRENDRA	
		EVANSHI SHUKLA	
4	SMART ROAD SAFETY SYSTEM	AKANKSHYA PRIYADARSHINI PANI	BM
		AVANI PADHIYAR	
5	AUTOMATIC CLOTHES PROTECTION SYSTEM USING RAIN SENSOR AND ARDUINO UNO	TRIVEDI SHIV GAUTAMBHAI	EE
		SIDDHANT TARSARIYA	
		TOKRALIYA MEHULBHAI BANABHAI	
		UTTAM BHENDSADIA	
6	BATTERY CAPACITY METER	GANGODA PRAGNESHKUMAR	EE
		MADHUBHAI	
		DESAI PRIYANSHI NATHABHAI	
		DAVE KAVY DINKARRAY	
		DODHA PRAMOD RASIKBHAI	
		DUDHAREJIYA NAMAN N.	
7	BLUETOOTH CONTROLLED LED SYSTEM USING ARDUINO UNO AND HC-05 MODULE	RANA MITRAJSINH RAJENDRASINH	EE
		RATHVA NIRMAL ASHOK BHAI	
		SAVALIYA PANCHAMI H	
		SOLANKI HIREN LALJIBHAI	
8	CAR OVERSPENDING DETECTOR	PARADIYA SHUBHAM VIJAYBHAI	EE
		PATEL ANSH SATISHBHAI	
		PARMAR BHAVIK B	
		PATEL BHAVYA RASHMINKUMAR	
9	DIGITAL ANGLE METER USING ARDUINO UNO WITH MPU6050	KASODARIYA DIJESH UMESHBHAI	EE
		KHAMAR MAHI NILESHKUMAR	
		PATEL NITI JAYESHBHAI	
		TRIVEDI SHIV GAUTAMBHAI	
		RAJPUROHIT ANURAG SURENDRASINGH	
10	DISTANCE MEASURING DEVICE	ASODIYA LAXANK NARENDRAKUMAR	EE
		PITHIYA PRINCE PARESHABHAI	
		BAMANIYA YASHKUMAR NARESHBHAI	
		RATHOD DARSHAN	
		TARUN PANKAJBHAI RATHOD	

11	PARKINSON'S TREMOR DETECTION AND ALERT SYSTEM	PATHAR PRINCE RAMESHBHAI	EE
		RAMANA NIKUNJ A	
		RAJPUROHIT ANURAG SURENDRASINGH	
		PRAJAPATI AARCHI BHARATBHAI	
12	PASSWORD BASED DOOR LOCK SYSTEM	VASAVA AVINASHBHAI NATVARBHAI	EE
		ZALA YASHDIPSINH RANCHHODSINH	
		VISHALKUMAR RATHAVA	
13	SMART HOME AUTOMATION SYSTEM	PATEL DHRUV ASHVINBHAI	EE
		PATEL DHRUVIL RAMANBHAI	
		PATEL KRISH PRAKASHKUMAR	
		PATEL MANAV MUKESHBHAI	
		PATEL DIYA KETANBHAI	
14	SMART LED LIGHT	PATEL NITI JAYESHBHAI	EE
		PATEL PRINCE JANAKKUMAR	
		PRINCEKUMAR HIMMATKUMAR PATEL	
15	SMART ORGANIC FARMING	BHIMANI RAJANKUMAR ARVINDBHAI	EE
		BHAGAT RAVI VIDYARTHI	
		ABHINAV SINGH RATHORE	
		BAMBHANIYA JAYESH EBHABHAI	
		BHAYANI YASH HARESHBHAI	
16	ULTRASONIC OBJECT DETECTOR	GUPTA ARYAN SUNILBHAI	EE
		KALOTARA MEET HARESHKUMAR	
		KARTAVYA CHANDRAKANTBHAI RAJANI	
		KASODARIYA DIJESH UMESHBHAI	
		KHAMAR MAHI NILESHKUMAR	
17	WATER LEVEL MONITORING	CHAUHAN SHIVA SINGH	EE
		JONSANKUMAR DILIPBHAI CHRISTIAN	
		CHOVATIYA MITANSHU SANJAYBHAI	
		CHAUHAN ABHI DHARMENDRABHAI	
		DANTANI NASIBKUMAR PRAVINBHAI	
18	AUTOMATIC SOLAR TRACKING SYSTEM	PATEL NIDHI CHETANBHAI	EE
		PATEL NIRJA VIPULCHANDRA	
		PATEL MEET NITINKUMAR	
		PATEL NAND VIJAYKUMAR	
		PATEL MAURYA JITENDRAKUMAR	
19	RADAR SYSTEM	BRAHMBHATT JINAL RAJESHBHAI	EC
		YADAV ADITYA LALIT MOHAN	
		CHARMI PATEL	
		VEDANSH PANCHAL	
		SAANVI PATEL	
20	SMART DUSTBIN	KRINA AAHALPARA	EC
		CHAUDHARI DEVARSH YOGESHKUMAR	
		CHAUDHARY RADHE ASHOKKUMAR	
		AAYAN A. TAI	
21	TACHOMETER (RPM MEASUREMENT)	RIYA SOLANKI	EC
		MAITRI N. SENJALIYA	
		TRIVEDI KHUSHI HITESHKUMAR	
		JAY RAJDEV	

		HARSHIT NATVARBHAI SOLANKI	
22	SMART HOME AUTOMATION	PRATIK VIPULBHAI NIMAVAT	EE
		JOSHI HARDIK JAYESHBHAI	
		BAROT KRISH MITESHKUMAR	
		MATANG P. JANI	
23	AUTOMATIC POWER FACTOR CONTROLLER USING 8051	JADEJA PURVJEETSINH MAHAVIRSINH	EE
		PASAYA SUDARSHNA MUKESHBHAI	
		TRIVEDI SHLOK ALPESHBHAI	
		KASHYAP VADHER	
24	AUTOMATED POWER CONTROL NETWORK (APCN)	PATEL SAVAN HASMUKHBHAI	EC
		SONAGRA VISHAL UMESHBHAI	
		VANZARA ROHIT BHAI RAMESH BHAI	
		RAVAT KENISH ALKESHKUMAR	
		SADHU JAYDEEPKUMAR JAGDISHBHAI	

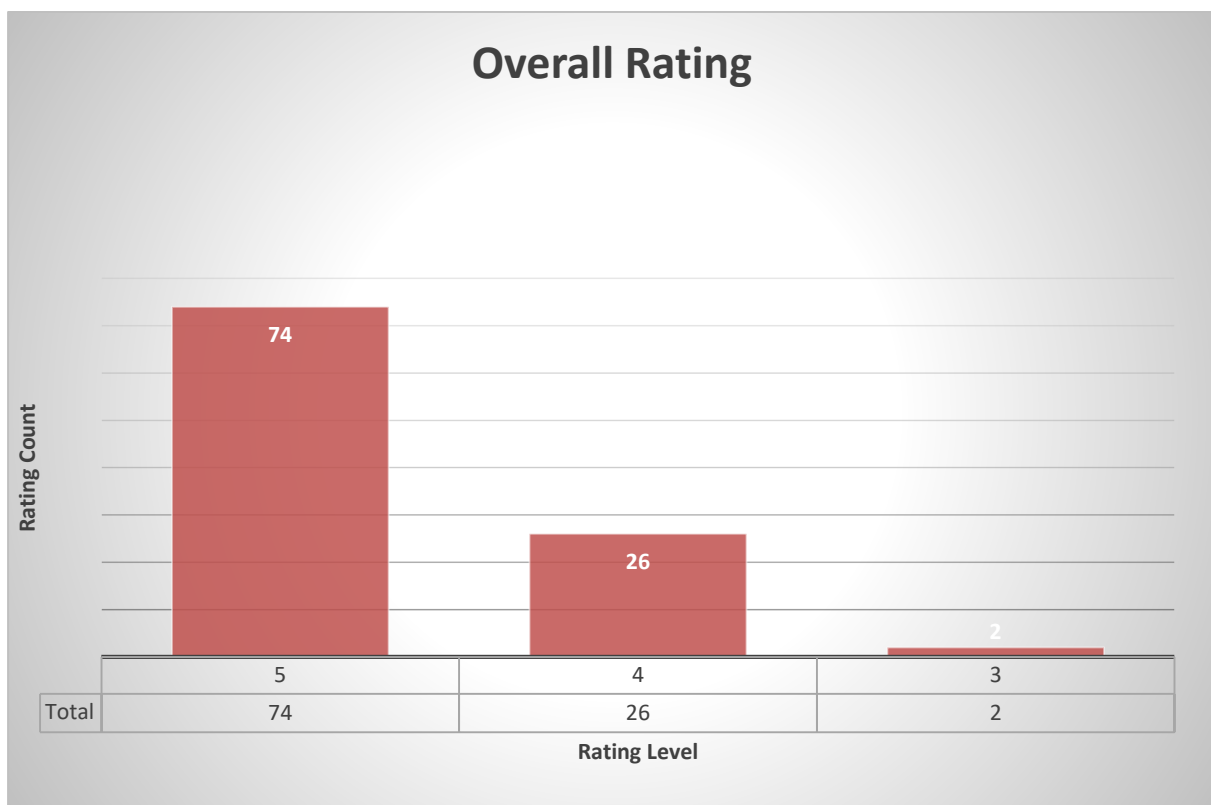
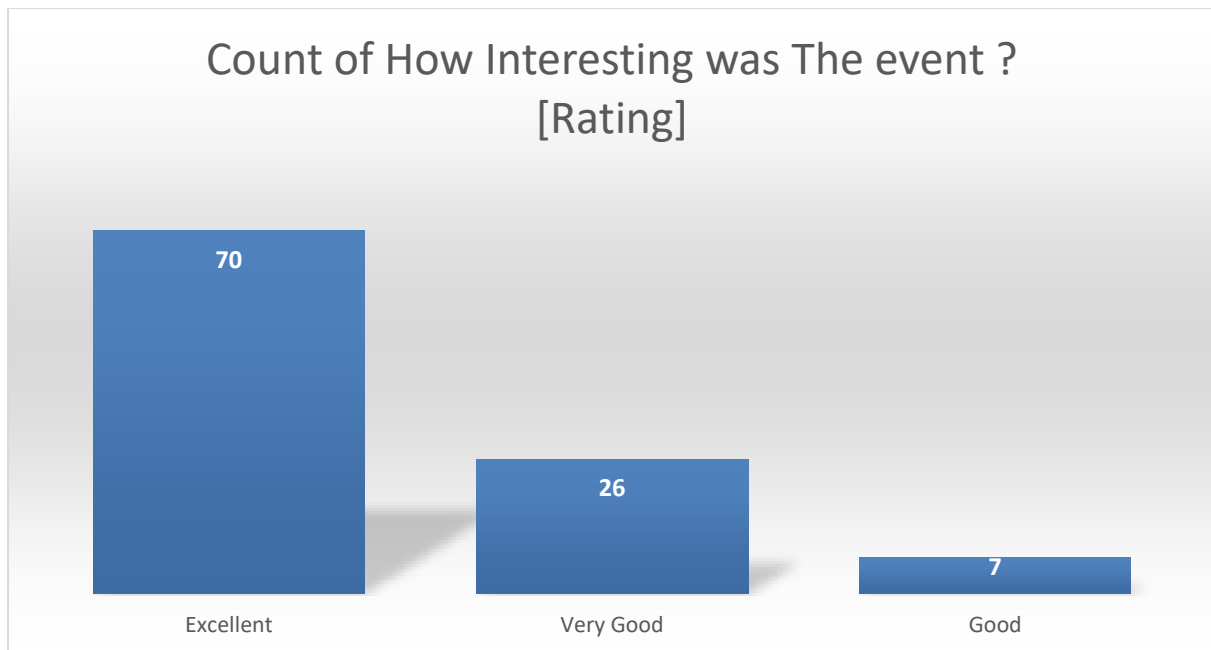
FEW CAPTURED VIEWS





FEEDBACK OF THE EVENT BY STUDENT

All participants have given the online feedback regarding the event and cooperation from department.(<https://forms.gle/ng2dHhuW8Xf8vqmu8>)



FEEDBACK OF THE EVENT BY VISITORS

Feedback of the visitors (faculties and students), which inspire and encourage us for organizing such events in future and suggest us for improvements. (<https://forms.gle/V3keZ65rNh33XeAe9>) Few of them are here.

POINT OUT THE GOOD THINGS OF AN EVENT	SUGGESTIONS FOR IMPROVEMENT
- Arrangement of event is good - Arrangement for projects was very good - The event encouraged creativity, problem-solving, and real-world application of concepts. - Judges and coordinators were supportive and provided valuable feedback. The environment was interactive, allowing good communication between participants and visitors. - The event helped in enhancing learning, teamwork, and confidence among students. - Very nice arrangements and nature of all students - Awesome innovative ideas carried out by the students and many congratulations to the mentors for their wonderful motivation provided to the students - Motivated students and arrangement of projects	- Decoration improvement, involvement of all departments. - Make the wonderful event at large level.

Count of RATINGS FOR LEVEL OF PROJECT? (5 stars being the highest rating)



CONGRATULATION TO THE WINNER

1st

SMART HOME
AUTOMATION



2nd

AUTOMATIC POWER
FACTOR CONTROLLER
USING 8051



3rd

AUTOMATED POWER
CONTROL NETWORK
(APCN)



BEHIND THE SCENES

- The event was scheduled for April 4, 2026. Then all the things began for the preparation of the EEMOCO-2026. The flyer was created. Then, as it was being shared by the faculty of electrical engineering department with the students, the registration began on March 16, 2026.

EEMOCO-2026	The total number of registrations: 24 groups	The total number of participants: 103
Judges	Dr. Sandip Rajput, assistant professor, EC	Dr. Vijay P. Dave, assistant professor, BM
Volunteer	4TH SEM-ELECTRICAL • BARAD VRUSHIKA • CHAUDHARY KHUSHI • DIYA MODI • THAKKAR TRISHA • TRIVEDI ASTHA • ANJALI KUMARI • MAKWANA LUCKY	6TH SEM-ELECTRICAL • PARMAR DEVARSH • LOKESH PATIDAR

EVENT ORGANIZED BY

Dr. Sweta P. Dave (Principal, GEC-Gandhinagar)

Dr. Kunal A. Bhatt (Co-ordinator, EED)

Event Coordinator

Prof. P. R. BHAVSAR Prof. N. D. PATEL Dr. S. P. AGRAWAL