GNITS IEEE Student Branch	**IEEE GNITS SB ACTIVITIES**	IEEE Hyderabad Section

Electric Vehicles for eMobility -the Future - Battery / Fuel Cell Powered

Student Activity Centre: IEEE SB GNITS

President Dr. K. Ramesh Reddy

Name of the Faculty	Designation	Category
Dr. K. Ramesh Reddy	Principal	Principal
Dr. N. Malla Reddy	Professor, EEE	Mentor
Dr. Himabindu.T	Asst. Prof, EEE	SB Counsellor, IES faculty advisor
Dr. Renuka Devi SM	Professor, ECE	WiE, Photonics Faculty Advisor, Financial advisor
Dr. C. Padmaja	Asst. Prof, ECE	Sensors Council advisor
Mrs. K. Swarna Latha	Asst. Prof, EEE	PELS faculty advisor
Mrs. B. Amrita	Asst. Prof, CSM	Group Challan, Web Master
Mrs. D. Vandana	Asst. Prof, IT	Membership Development Committee (MDC) Chair
Mrs. G. Madhavi	Asst. Prof, ECE	Financial advisor, Minutes Of Meeting in charge
Mrs. K. Pranathi	Asst. Prof, ETE	Public relations and Content Writing

Name of the Student	Department	Category
Nasira Banu	ECE	Chair
V. Nanditha Reddy	ECE	Vice-chair, WiE chair
C. Madhuri	EEE	Secretary
G. Jhansi Laxmi	EEE	Treasurer
K. Sahithi	CSE	Public Relations Head
Ch. Poojitha	CSE	Public Relations Co-Head
S. Meenakshi	EEE	Content writing & Designing Head
A.Pranavya	CSM	Content writing & Designing Co-Head
B. Sri Vaishnavi	EEE	Photography Head
B. Usha Sri Chowdary	ECE	Photography Co-Head

EVENT DETAILS

Type of activity: SB Event
Subsection: Hyderabad
Name of the Event: Electric Vehicles for eMobility -the Future - Battery / Fuel Cell Powered
Dates/Duration: 16/06/2023
Organized by: SB GNITS
Sponsored by: GNITS
Host Organization: GNITS

EVENT HIGHLIGHTS

In the recent years Govt. of India & State Govt.'s have initiated the "Smart Cities" Program with thrust on providing "eMobilty" for Clean Air in Cities/ Urban Areas. This is enabled by using Electric Vehicles (EVs). This has brought focus on Electric Vehicles like eBuses/ eCars/ other Electric Transport Vehicles. Also, Electric Propulsion Drive System has very much higher Energy Efficiency than the Internal Combustion (IC) Engine based Propulsion Drive system that is conventionally used in Automobiles. The difference is as high as 40% to 50% from one form of energy (Like Petrol/ Diesel/ Battery Stored Chemical Energy) to the mechanical shaft power output of the automobile. So, by using EVs considerable savings in energy consumption can be achieved. Hence, EVs for eMobility is a very good effort for conservation of energy at National / Regional Level. In this Presentation various aspects are presented about EVs like the Relevance / Evolution and Trends in Technology / Applications/ Cost of Ownership/ Other related aspects. In India and World Wide, the EVs applications for "eMobilty" are enabled by using eBuses/ eCars/ and other types of electric Urban Public & Personal Transport Vehicles. Various aspects of Battery Powered & Fuel Cell Powered EVs are also presented.

Registered participants: **68**
Attended participants: **68**
IEEE members: **23**
Non-IEEE members: **45**
Special awards/achievements (if any): **Mementos given to guests**