

**VARDHAMAN COLLEGE OF ENGINEERING
HYDERABAD**

Day 1 (14th June 2024) – Track 1 (Offline)

Session Chair: Dr. Thanikanti Sudhakar Babu

Moderators: Ms. G. Indira Rani

Student Coordinators: Monala Shreya, Shiva Bhargavi

Sl. No	ID	Paper Title	Author Name(s)	Track	Mode	Track No	Date and Time
1.	85	Review on Charging Methods and Charging Solutions for Electric Vehicles	B K Chakravarthy, G Sree Lakshmi, Hari Prasad Bhupathi	Electric Mobility and Transportation Sustainability	Offline	1	14 th June 11.30 am to 12.30 pm
2.	133	Design And Development Of Bidirectional Converter Based On V2G and G2V Operation	Akanksha Yadagiri, Mahendar Meadari, D. Harsha, Pabitra Kumar Biswas, Thanikanti Sudhakar Babu	Electric Mobility and Transportation Sustainability	Offline	1	14 th June 11.30 am to 12.30 pm
3.	52	Smart Wheelchair Control Using Arduino	Maduguri Rani, Bodapatla Ramya, Kaveti Avinash, Gunturu Sainaveen, Jambuka Ruchitha	Energy-Efficient Circuits	Offline	1	14 th June 2.00 pm to 4.00 pm
4.	78	Effect of Inverter Voltage Levels on Torque Ripples of PMSM Drive	Vinodh Kumar Pandraka , Ramamohan Rao Tinnavelli, Rajagiri Anil Kumar, Hari Prasad Bhupathi, Sree Lakshmi Gundebommu	Energy-Efficient Circuits	Offline	1	14 th June 2.00 pm to 4.00 pm
5.	138	Enhancement of grid-tied wind system performance under different loading scenarios	B. Nagi Reddy, V. Naveen	Smart Grids and Sustainable Infrastructure	Offline	2	14 th June 2.00 pm to 4.00 pm

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Day 1 (14th June 2024) – Track 2 (Offline)

Session Chair: Dr. B. Praveen Kumar, Dr. K. Muruga Perumal

Student Coordinators: Pavani, Nikhitha

Sl. No	ID	Paper Title	Author Name(s)	Track	Mode	Track No	Date and Time
1.	29	UPQC-Based Power Quality Improvement in Grid-linked PV, Battery & Wind Systems	Chapala Shravani, Narasimham RL, Tulasi Ram Das G	Green Energy Generation and Integration	Offline	2	14 th June 11.30 am to 12.30 pm
2.	96	Doubly Fed Induction Generator: Grid Integration and Performance Analysis	Manohar Gangikunta, Janardhan Gurram, Rajib Kumar Kar, Murugan ASS, Rajesh Kumar P	Green Energy Generation and Integration	Offline	2	14 th June 11.30 am to 12.30 pm
3.	95	An overview of Artificial Intelligence applications to electrical power systems and DC microgrids	Morampudi Rajitha, A Raghu Ram	Smart Grids and Sustainable Infrastructure	Offline	2	14 th June 2.00 pm to 4.00 pm
4.	132	Optimized MPPT for Grid tied Transformer less PV System: A Comparative Analysis	Janardhan Gurram, N. N. V Surendra Babu, G. N. Srinivas	Smart Grids and Sustainable Infrastructure	Offline	2	14 th June 2.00 pm to 4.00 pm
5.	137	A Fuzzy-Based Method for Improving The Quality Of Power In A Grid-Connected System Using A Solar PV-Fed Multilevel Inverter	K. Neelima, G. Dinesh	Smart Grids and Sustainable Infrastructure	Offline	2	14 th June 2.00 pm to 4.00 pm