



J. C. Bose University of Science and Technology,
YMCA, Faridabad
(formerly YMCA University of Science and Technology)
A State Govt. University established wide Legislative Act. No. 21 of 2009
SECTOR-6, FARIDABAD, HARYANA-121006



DEPARTMENT OF ELECTRICAL ENGG.

Date: 29-04-2024

RAC/SAC Meeting of the Department is held on 29th April 2024 at 11:30 am in Conference Hall of the Department

RESEARCH ADVISORY COMMITTEE REPORT

Members Present: Prof. Mohammad Rizwan, Dr. Sanjay Kumar, Prof. Poonam Singhal., Prof. Anju Gupta (Chairperson. EL), Dr. Shakuntla, Dr. Sakshi Kalra

The RAC/SAC of the department had taken the presentation of the Ms. Rupali Sinha (Roll no. 21001903001) with the following comments/conclusion.

Name and Roll No. of the Research scholar: Rupali Sinha (Roll No: 21001903001)

Research Topic: Optimal Integration of Electric Vehicle Charging Stations into the Distribution System

Remarks of the Committee:

Integration of EV charging station into distribution systems is implemented using the IEEE 33 bus system. Load flow analysis using the Forward-Backward Sweep method is employed alongside optimization algorithms including Iterative search method (ISA), Particle Swarm Optimization (PSO), Genetic Algorithm (GA), and a hybrid GA-PSO approach. Additionally, a comprehensive bibliometric analysis using the Scopus database is done to obtain insights into the evolution and trends in EV charging station allocation research.

The candidate has satisfactorily presented her research work and she is advised to take some real time data for analysis purpose.

Shakuntla
29/04/24
Supervisor

Kalra
29/04/2024

Anju
29/04/24
Chairperson
Electrical Engg. Department
Chairperson
Department of Electrical Engineering
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