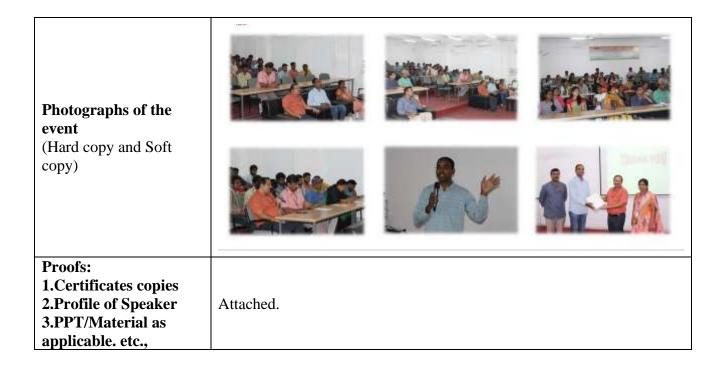


GRIET/6C/G/20-21

EVENT SUMMARY REPORT

GRIET/Other institutes/Organization Address:	GRIET						
Department	EEE		Professional Body		Ins	titutional Body	
			IEI-EE				
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities	Guest Lecture						
Title / Theme of the Event	Optimal operation of power system considering renewable energy sources, Battery storage, electric vehicles and demand response.						
Details of the Coordinator& Designation	Vinay Kumar A, Associate Professor.						
Event Dates/Days	From	n To No. of Days		S			
	12 March 2020						
Details of the Speaker / Guest Organization Address:	Dr. Surender Reddy Salkuti Associate Professor, Dept. of Rail Road & Electrical Engineering, Woosong University, Korea.						
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No.of Faculty	No. of U stud	JG ents	No.of PG Students	No.of outside participants	e Total Participants	
Enclose participants list	17	41		07	-	65	
Faculty Names & Designation	Dr. J Praveen, Principal, Dr. J Sridevi, Professor; Dr. Phaneendra Babu Bobba Dr. T Suresh Kumar Dr. DG Padhan, Professor, Mr. V Vijaya Rama Raju Mr. Vinay Kumar A, Associate Professor, Mrs. K Sudha, Assistant Professor, Mrs. U Vijaya Laxmi, Assistant Professor, Mrs. Srividya Devi, Assistant Professor, Mrs. U Usha Rani, Assistant Professor, Mrs. G Sandhya Rani, Assistant Professor,						

Summary of the Event	Mrs. Y Satya Vani, Assistant Professor, Mrs. M N Sandhya Rani, Assistant Professor, Mrs. K Sudha, Assistant Professor, Mrs. M Rekha, Assistant Professor. Gokaraju Rangaraju institute of Engineering and technolog Department of Electrical and electronics Engineering organized a gue Lecture by IEI on "Optimal operation of power system considerin Renewable energy sources" on 12 th march 2020 at the EEE Semin Hall.The guest speaker Was Mr.Surender Reddy salkuti,Associa professor in the Department of Railroad and Electrical Engineerin Woosong university, Daejeon ,Republic of korea. The event started with a Welcome address by Danish, Later He the requested Mr. Surender Reddy Salkuti to deliver the lecture. Mr. Surender Reddy Salkuti expressed his gratitude for being the among students and then introduced himself and started his lectu .Sir then gave a brief introduction of the topic by explaining how handle the uncertainty of modeling wind and solar power. He spol about the Importance of demand –side management, why Renewab energy is preferred, Issues associated with high penetration Renewable Energy Resources (RERS), Integration of Renewable pow into Electrical markets. He also came up with Optimal power Flo (OPF), the capacity of wind generation, Loss minimization, modelin of wind energy system. Sir also discussed about programs that shou be used for wind speed & probability distribution, load foreca uncertainty model, modeling of solar energy system, modeling of sol PV uncertainty, modeling of solar energy system, load deman wind demand and solar irradiation. He then concluded his lecture I clarifying the queries of the students.	
IRG (in rupees) Deposited A/C no A/C name and date and other details	NA	
Expenditure (in rupees) (Enclose proof-bills)	Rs. 3000/- (Rupees Three Thousand only).	
POs attained with this Event (number and description)	 5. Ability to function on multi-disciplinary teams. 6. Understanding of professional and ethical responsibility. 8. Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context. 9. Recognition of the need for, and an ability to engage in life-long learning. 	



Signature of Coordinator

Signature of HOD