



GRIET/6C/G/20-21

EVENT SUMMARY REPORT

GRIET/Other institutes/Organization Address:	GRIET				
Department	EEE	Professional Body		Institutional 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	<i>Optimal operation of power system considering renewable energy sources, Battery storage, electric vehicles and demand response.</i>				
Details of the Coordinator& Designation	Vinay Kumar A, Associate Professor.				
Event Dates/Days	From	To	No. of Days		
	12 March 2020	12 March 2020	01		
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) Enclose participants list	No.of Faculty	No. of UG students	No.of PG Students	No.of outside participants	Total Participants
	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,				

	<p>Mrs. Y Satya Vani, Assistant Professor, Mrs. M N Sandhya Rani, Assistant Professor, Mrs. K Sudha, Assistant Professor, Mrs. M Rekha, Assistant Professor.</p>
Summary of the Event	<p>Gokaraju Rangaraju institute of Engineering and technology, Department of Electrical and electronics Engineering organized a guest Lecture by IET on “Optimal operation of power system considering Renewable energy sources” on 12th march 2020 at the EEE Seminar Hall. The guest speaker Was Mr. Surender Reddy Salkuti, Associate professor in the Department of Railroad and Electrical Engineering, Woosong university, Daejeon , Republic of Korea.</p> <p>The event started with a Welcome address by Danish, Later He then requested Mr. Surender Reddy Salkuti to deliver the lecture.</p> <p>Mr. Surender Reddy Salkuti expressed his gratitude for being there among students and then introduced himself and started his lecture. Sir then gave a brief introduction of the topic by explaining how to handle the uncertainty of modeling wind and solar power. He spoke about the Importance of demand –side management, why Renewable energy is preferred, Issues associated with high penetration of Renewable Energy Resources (RERS), Integration of Renewable power into Electrical markets. He also came up with Optimal power Flow (OPF), the capacity of wind generation, thermal generation. Sir then told about the best technique is used between conventional and metal used techniques, Fuel cost minimization, Loss minimization, modeling of wind energy system. Sir also discussed about programs that should be used for wind speed & probability distribution, load forecast uncertainty model, modeling of solar energy system, modeling of solar PV uncertainty, modeling of electric vehicles(EVS). He also explained about the types of equality and inequality constraints, load demand, wind demand and solar irradiation. He then concluded his lecture by clarifying the queries of the students.</p>
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)	<p>5. Ability to function on multi-disciplinary teams.</p> <p>6. Understanding of professional and ethical responsibility.</p> <p>8. Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.</p> <p>9. Recognition of the need for, and an ability to engage in life-long learning.</p>

<p>Photographs of the event (Hard copy and Soft copy)</p>	
<p>Proofs: 1.Certificates copies 2.Profile of Speaker 3.PPT/Material as applicable. etc.,</p>	<p>Attached.</p>

Signature of Coordinator

Signature of HOD