







GRIET/6C/G/19-20

EVENT SUMMARY REPORT

GRIET/Other institutes/Organization Address:	GRIET				
Department	EEE	Professional Body		Institutional Body	
				EEC	
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>Energy principles and its study on constructional aspects of Electrical Machines</i>				
Details of the Coordinator& Designation	Vinay Kumar A, Associate Professor.				
Event Dates/Days	From	To	No. of Days		
	19 Dec 2019	19 Dec 2019	01		
Details of the Speaker / Guest Organization Address:	Sri. Emani Venkateswarlu Engineer (Retd.) BHEL, Hyderabad.				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No.of Faculty	No. of UG students	No.of PG Students	No.of outside participants	Total Participants
	12	102	-	-	114
Enclose participants list					
Faculty Names & Designation	Dr. J Sridevi, Professor; Dr. DG Padhan, Professor, 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, Mrs. Y Satya Vani, Assistant Professor, Mrs. M N Sandhya Rani, Assistant Professor, Mrs. K Sudha, Assistant Professor, Mrs. M Rekha, Assistant Professor.				

Summary of the Event	Mr. Emani Venkateswarlu expressed his gratitude for being there among students and then introduced himself and started his lecture. He then gave a brief introduction of the topic by explaining few basic terms. He spoke about the Law of conservation of energy, units of electrical energy, mechanical energy, why we can't use permanent magnets in place of electromagnets in construction of machines, difference between magnetizing and exciting, DC conventional System, how commutator is converting AC to DC, what is rectification, inversion and conversion why interpoles are kept between the main poles, then he told about the construction of a commutator and its functionality. He then discussed in detail about all the different losses in the machines. He also came up with brushless excitation and high frequency excitation which has a scope in future research. He also explained about function of interpoles. He then concluded his lecture by 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. 5000/- (*Five thousand only) *PRERANA Fund.
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>
Photographs of the event (Hard copy and Soft copy)	   
Proofs: 1.Certificates copies 2.Profile of Speaker 3.PPT/Material as applicable. etc.,	Attached.

Signature of Coordinator

Signature of HOD