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	***Electrical power generation and distribution in Onboard Ships***				
Details of the Coordinator& Designation	Vinay Kumar A, Associate Professor.				
Event Dates/Days	From	To	No. of Days		
	26th June 2021	26th June 2021	01		
Details of the Speaker / Guest Organization Address:	**Dr. Shashidhar K.** Assistant Professor & HoD (EPS). Indian Naval Academy. Ministry of Defence. Ezhimala, Kerala. 2shashi4u@gmail.com.				
Participants (Teaching Faculty / Non-Teaching Faculty / Students) **Enclose participants list**	No. of Faculty	No. UG of students	No. of PG Students	No. of outside participants	Total Participants
	03	70	--		73
Faculty Names & Designation	03				
Summary of the Event	The student body of the Indian Institute of Engineers (India){IEI} of Gokaraju Rangaraju institute of engineering and technology (GRIET) organized a guest lecture by IEI on “Electrical power generation and distribution in Onboard Ships” on 26th June 2021 held online. The guest speaker was Dr. Shashidhar kasthala The event was started with a welcome address by Mr. Vinay Kumar sir and spoke a few words about him and introduced the topic of lecture and it’s importance, later he requested Mr. Shashidhar kasthala to deliver the lecture.				

	Mr. Shashidhar Kasthala expressed his gratitude for being there among students and introduced himself and started his lecture. He elaborated about the Onboard ships which is based on terrestrial power plants and different types of ships like Tugboat, Oil tanker, Multipurpose ship, Yacht, submarine and Battleship. The usage of nuclear power in the Marine Systems, power distribution system on ships (Zonal distribution system), the ungrounding system in power distribution, cable insulation monitoring. He also came up with the power system protection. And he also discussed the generator to low distribution and protection, environmental concerns of the ship, zero-carbon fuels for shipping. He also explained how we come up with the problems of effects voltage sag on loads. He shared the knowledge like testing of high resistance earthing undergrounded system, static frequency converter is used nowadays to convert different frequencies to required frequencies, three phase AC type generator is used in marine ships for power generation, The length of the destroyer is about 510feets and The Frigate is the war ship which is used to battle against enemy ships. Then he concluded his lecture by clarifying the queries of 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/-
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.*
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**