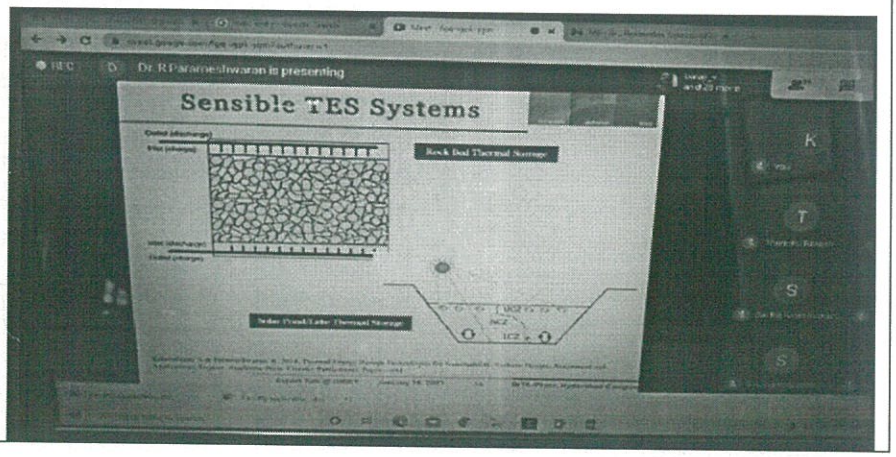
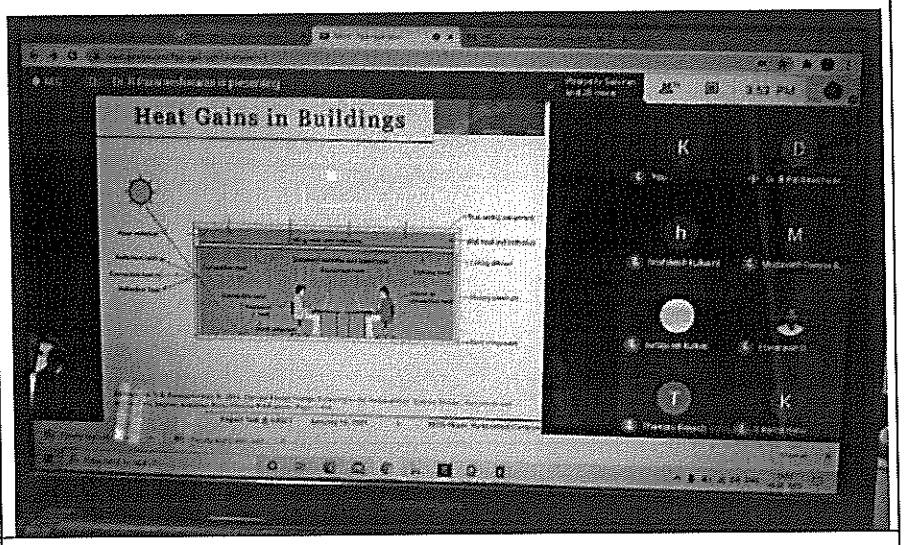
GRIET/6C/G/20-21

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	**GRIET-** Hyderabad				
Department	**Mechanical Engineering**	**Professional Body**	**Institutional Body**		
		NA	**NA**		
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	**Thermal Energy Storage**				
Details of the Coordinator& Designation	**Dr. K Venkateswarlu** **Professor,** Mechanical Engineering Department, **GokarajuRangaraju Institute of Engg.&Technology,** Hyderabad **Ph: 9989841031**				
Event Dates/Days	From	To	No. of Days		
	18/01/2021	-	01		
Details of the Speaker / Guest Organization Address:	**Dr. Parameshwaran Rajagopalan** **Assistant Professor, Department of Mechanical Engineering** **BITS-Pilani Hyderabad campus**				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No.of Faculty	No. of UG students	No.of PG Students	No.of outside participants	Total Participants
	11	31	12	NA	54
Faculty Names & Designation	1. Dr. K Venkateswarlu Professor 2. Dr. U.S Jyothi Professor 3. B.Ch Nookaraju Associate Professor 4. K Sunil Kumar Reddy Associate Professor 5. J.V Suresh Assistant Professor 6. D Eswaraiah Assistant Professor 7. Ch. Bandhavi Assistant Professor 8. L Gopinath Assistant Professor 9. K Ratnababu Assistant Professor				

	10. S Aparna Assistant Professor 11. V Balaji Assistant Professor
Summary of the Event	This lecture focused on the Thermal energy storage (TES) systems which play a vital role in energy efficient use and its conservation. Phase change materials (PCMs) for TES absorb and emit the heat of the medium and provide thermal regulation at particular phase change temperatures. It mainly focusses on the PCMs for different applications such as energy required to heat and cool buildings, solar energy storage, cryogenic storage. The different PCMs used and their thermos-physical properties are presented. This lecture provides the useful insights in the field of PCMs for Thermal energy storage (TES) systems to carry out the research for Masters and Doctoral studies.
IRG (in rupees)	NA
Expenditure (in rupees)	3000/- (Cheque NO: 298185, Dated 19/01/2021) HOD-ME A/C
POs attained with this Event (number and description)	PO1: Able to develop independent thinking and critical analysis of thermal engineering problems understanding the global issues and conduct independent research in the emerging areas for conducting research. PO3: Able to demonstrate a degree of mastery over the area and possess knowledge of modern technological concepts, conduct in-depth studies &experiments and apply specialized expertise practically. PO4: Able to work collaboratively on multi-disciplinary projects to enhance the efficiency of the Thermal systems.
Photographs of the event (Hard copy and Soft copy)	Expert Talk on "Thermal Energy Storage" **Speaker: Dr. Parameshwaran Rajagopalan** Department of Mechanical Engineering BITS-Pilani Hyderabad campus  Date: 18-01-2021 Time: 3.30 PM to 5.00 PM Organized by Department of Mechanical Engineering **Gokaraju Rangaraju** **Institute of Engineering and Technology Hyderabad** 

	
Proofs: **1.Certificates copies** **2.Profile of Speaker** **3.PPT/Material as applicable. etc.,**	**Profile of Speaker isattached**

Signature of Coordinator
Dr. K Venkateswarlu
Professor,Dept.of Mechanical Engineering

Signature of HOD
Dr. N Sateesh
Professor,Dept. of Mechanical Engineering

Expert Talk on "Thermal Energy Storage"

Speaker:

Dr. R. Parameshwaran

Department of Mechanical Engineering
BITS-Hyderabad

Phase change materials for thermal energy storage in buildings, solar energy and cold storage applications.

18th Jan, 2021

3:30PM - 5:00PM

Google meet
link: meet.google.com/fgq-igpk-jqm

Organised by:
Department of Mechanical Engineering
GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

About the Speaker

Dr. Parameshwaran Rajagopalan is recognized as **one of the leading researchers in India** in the field of nanomaterials-based thermal energy storage for sustainable buildings. He is now placed at the **fourth position among the top researchers in the country** in the said field, based on the Scopus database.

He received his **B.E. degree** with distinction in **Mechanical Engineering** from Bharathiar University in 2003. His obtained his **M.E.** in **Refrigeration and Air Conditioning** from Anna University, Chennai in 2007. He received **Ph.D. degree** in **Mechanical Engineering** from the same university in 2014.

His research interests include **thermal energy storage, nanomaterials, nanoscale heat transport, smart and sustainable buildings**. His research career over a decade enabled him to contribute significantly in the development of novel hybrid nanomaterials-embedded phase change materials for cooling application in buildings. His active research contributions on thermal energy storage systems using nanomaterials have made him to publish good research outcomes in **refereed International Journals**. To add to his research credentials, he has also **authored books and book chapters** on **thermal energy storage in buildings using nanomaterials**.

He is a recipient of the **prestigious "Japan Society for the Promotion of Science (JSPS) Postdoctoral Fellowship"** for carrying out his **Research in Japan in 2021**. During his Ph.D., he received **DST-PURSE Fellowship** to perform his research work. His research efforts have been duly recognized and appreciated in industry in terms of **Best Paper awards**. He is also a recipient of the **5th Bry-Air Awards for Excellence in HVAC&R** in 2010 for innovative and outstanding research project work.

Currently he is working as **Assistant Professor** in **Department of Mechanical Engineering, BITS-Pilani, Hyderabad campus** and holds an additional responsibility as **Faculty Coordinator** for **Department placements**.

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Head of the Department
Please sign above
Mechanical Engineering
GOKARAJU RANGARAJU
Institute of Engineering & Technology
Bachupally, Hyderabad-500 090

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