

About the STUTI

Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI) Program – 2021 Program Introduced by Department of Science & Technology (DST), Government of India. This scheme is intended to human resource and its capacity building through open access to S&T Infrastructure across the country. Therefore DST, GITAM university and GRIET jointly organizing a short term courses/workshops on the awareness, use and application of various instruments and analytical techniques, Organization of training program on DST supported R&D equipment targeting Scientists/ Professors/ PhDs and PDFs actively involved in research across various institutions in the country

Objectives

- ❖ To provide knowledge on material charecterization, modeling, analysis and interpretation of experimental results.
- ❖ To provide hands on training on the research equipment like SEM, EDAX, and Core Scan etc., to carryout experimentation and collection of experimental results.
- ❖ To provide an insight into advanced research in the field of Engineering problems.
- ❖ To improve faculty's ability in carrying out research, testing & Analysis in the field of materials.

About the Institution

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) was established in 1997 with a mission to provide quality education with an emphasis on practical skills and social relevance. The college is an UGC Autonomous institution affiliated to JNTUH, Hyderabad and is accredited by NAAC with 'A++' Grade. GRIET offers 9 B.Tech. and 6 M.Tech. programmes. All eligible programmes are accredited by NBA. Institution has excellent infrastructure, state of the art labs, R&D activities, qualified faculty from both industry and academia to create a conducive teaching & learning environment.

About the Department

Department, started in 1997, has been striving to impart quality education to the students. The department has well equipped laboratories and highly qualified staff. The department offers Bachelors of Technology in Mechanical Engineering (ME) and Masters of Technology in Design for Manufacturing (DFM) programmes and both programmes are accredited by NBA. The staff and students are engaged in research projects sponsored by various sponsoring agencies like DST, AICTE and UGC, with ongoing projects worth of 123.8 lakhs.



DEPARTMENT OF MECHANICAL ENGINEERING



सत्यमेव जयते

Department of Science and Technology

DST Sponsered
A National Level Training Programme
on
Material Characterization,
Modelling and Finite Element Analysis
STUTI Program-2021

(DST/RND/STUTI/2021/18)

22-28 August, 2022

Organised by
Department Of Mechanical Engineering
Gokaraju Rangaraju
Institute of Engineering and Technology
in Collaboration with
GITAM University, Visakhapatnam



GITAM
(DEEMED TO BE UNIVERSITY)
(Estd. u/s 3 of the UGC Act, 1956)

VISAKHAPATNAM • HYDERABAD • BENGALURU

For any correspondence contact

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STUTI Programme Coordinator
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Chief Patron

Shri G.V. K. RangaRaju, Vice-President, GRES

Patrons

Prof. J. N. Murthy, Director, GRIET
Prof. J. Praveen, Principal, GRIET

STUTI Program coordinator

Prof. B. Srinivasa Prasad, GITAM University

Program coordinators

Dr. Swadesh Kumar Singh, Professor, GRIET
Dr. K. Satyanarayana, Associate Professor, GRIET

Organizing Committee

Dr. N. Sateesh, Professor, GRIET
Dr. U. S. Jyothi, Professor, GRIET
Dr. Raman Goud, Professor, GRIET
Dr. R. Karthekeyan, Professor, GRIET
Dr. Rama subbiah, Professor, GRIET
B. Ch. Nookaraju, Associate Professor, GRIET
D. S. Nagaraju, Associate Professor, GRIET
K. Sunil Kumar Reddy, Associate Professor, GRIET
Dr. Anshuman Kumar, Associate Professor, GRIET
Dr. A. Anitha Laxmi, Associate Professor, GRIET
J. Venkata Suresh, Assistant Professor, GRIET
D. Eshwaraiah, Assistant Professor, GRIET
Ch. Bhandhavi, Assistant Professor, GRIET
K.Ratna Babu, Assistant Professor, GRIET
V.Balaji, Assistant Professor, GRIET
S. Sravan Sashank, Assistant Professor, GRIET
B. Krishna Mohan, Assistant Professor, GRIET
B. Shankara Chary, Assistant Professor, GRIET
M Sreekanth, Assistant Professor, GRIET
S. Aparna, Assistant Professor, GRIET

Head of the Department

Dr. B.Tanya, Mech Engg Dept, GRIET
Prof. V. Srinivas, Mech Engg Dept. GIT, GITAM
University, Visakhapatnam

Target Audience

Faculty members of the AICTE approved Institutions, Research Scholars, PG Scholars, and staff of host institution may attend the FDP

Registration, TA/DA and Accomodation

- NO REGISTRATION FEE
- Last date for Registration: 08-08-2022
- Due to limitation on the number of participants (30), applications will be considered on first come first serve basis.
- TA Sleeper class through shortest route will be provided.
- DA, Accomodation will be provided for selected Participants.



Registration Form

DST Sponsored
A National Level Training
Programme

on

Material Characterization,
Modelling and Finite Element Analysis
STUTI Program-2021

(DST/RND/STUTI/2021/18)

22 - 28 August, 2022

Name: _____

Qualification: _____

Designation: _____

Institution: _____

Address: _____

E-Mail: _____

Mobile No: _____

Accommodation: _____ (Yes/No)

Signature of the Applicant

Signature of the Head of
the Institution with Seal

Date:

Place:

To Download the Registration Form Scan 



Note: Send the scanned copy of filled form duly signed to
grietmechanicaldepartment@gmail.com

Schedule For 7 Days Training Program On “Material Characterization, Modelling and Finite Element Analysis” (22-28 August 2022)

Note: Minimum requirement of participants: 30 (Please submit along with their biodata- forms enclosed).

Day	Morning Session (10.00 am – 12.00 pm)	Afternoon session (1.30 pm – 4.00 pm)
Day 1 22/08/2022	Topic: Finite element modelling and analysis of Composite material structures	Hands on experience on _ Friction measurement Test Rig
	Resource Person: Dr. P. Ravinder Reddy Professor, CBIT Hyderabad	Resource Person: Dr. K.Satyanarayana Associate Professor, GRIET Hyderabad
Day 2 23/08/2022	Topic: Material testing and characterization for sheet metal forming processes	Hands on experience on _ BISS Equipment SR/S3/MERC/0129/2012 & CRG/2020/001450
	Resource Person: Dr. Nitin R. Kotkunde Assistant Professor, BITS Hyderabad	Resource Person: Dr. K. Satyanarayana Associate Professor, GRIET
Day 3 24/08/2022	Topic: Material Characterisation by Scanning Electron Microscopy	Hands on experience on _ SEM Equipment SR/FST/College-029/2017
	Resource Person: Dr. A K Singh Professor, GRIET	Resource Person: Dr. K. Satyanarayana Associate Professor GRIET
Day 4 25/08/2022	Topic: Processing & Characterization of Engineered surfaces	Topic: Surface Engineering for Life Enhancement of Aerospace Applications
	Resource Person: Dr. L. Rama Krishna Scientist ‘G’, ARCI Hyderabad	Resource Person: Dr. V. Krishna Scientist ‘E’, ARCI Hyderabad
Day 5 26/08/2022	Visit to ARCI	Visit to ARCI
	Coordinator: Dr. K. Satyanarayana Associate Professor, GRIET	
Day 6 27/08/2022	Topic: Finite Element Studies on formability of AISI316L Steel	Hands on experience on _ EDAX Equipment SR/FST/College-029/2017
	Resource Person: Dr. Swadesh Kumar Singh Professor, GRIET	Resource Person: Dr. K. Satyanarayana Associate Professor, GRIET
Day 7 28/08/2022	Topic: Characterization of Solar Cells	Hands on experience on _ Core scan SR/FST/College-029/2017
	Resource Person: Dr. T Suresh Kumar Professor, GRIET	Resource Person: Dr. T Suresh Kumar Professor, GRIET

LUNCH BREAK
(12.00 pm – 1.30 pm)

Training Program Coordinators

Dr. Swadesh Kumar Singh & Dr. K. Satyanarayana

Project Investigator, STUTI:

Prof. Balla Srinivasa Prasad



Organised At Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad-500090
 Collaboration with GITAM Institute of Technology, GITAM Deemed to be University, Visakhapatnam-530045
 Under Govt. of India’s STUTI Program -2021 (DST/RND/STUTI/2021/18)

