



Registration Form

DST Sponsored National Level Training Program on ADVANCED MATERIALS & MANUFACTURING METHODS FOR AUTOMOBILE APPLICATIONS (AMMMAA-2022)

STUTI Program – 2021 (DST/RND/STUTI/2021/18)

November 23rd - 29th, 2022

Venue: Department of Mechanical Engineering, GST, GITAM, Visakhapatnam

Name : _____

Age : _____ Gender: _____

Designation : _____

Official Address : _____

Phone No. with STD Code: _____ Mobile: _____

Email ID : _____

I would like to participate as a delegate in DST Sponsored National Level training program on Advanced Materials & Manufacturing Methods for Automobile Applications (AMMMAA-2022) organized by Department of Mechanical Engineering, GITAM School of Technology, GITAM Deemed to be University, Visakhapatnam under **STUTI Program-2021 (DST/RND/STUTI/2021/18)**

Signature of Applicant

Signature of the Sponsoring
Authority with Office Seal

Date:

Place:

Note: Scanned copy of the filled registration form can be sent to the stuti2021.git@gmail.com
Please enclose your biodata along with this application

About the GITAM Deemed to be University

Gandhi Institute of Technology and Management, popularly known as GITAM, was founded in 1980 by an inspired group of eminent intellectuals and industrialists of Andhra Pradesh led by Dr. M. V. V. S. Murthi, former Member of Parliament and popular philanthropist. The college, shaping its students into disciplined young citizens of good character and culture lays emphasis on Research to enable them industry ready. The college is recognized by AICTE and recognized by UGC under section 3 of 1956 & 12(B). The University got UGC Deemed status in the year 2008. The University offers UG, PG and Diploma Programs in Engineering, Sciences, Management, Medical, Nursing and Law. The University is accredited by NAAC with “A+” Grade.

PROGRAM COMMITTEES

Chief Patron:

Sri M. Sri Bharat,

Hon'ble President, GITAM

Patrons:

Prof. Virander Singh Chauhan

Hon'ble Chancellor, GITAM

Prof. Dayananda Siddavattam

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Co-Patrons:

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Pro Vice-Chancellor, Academics

Prof. D. Gunasekaran

Registrar, GITAM

Chairman:

Prof. C. Vijaysekhar

Dean of Engineering, GST, GITAM

Convener:

Prof. V. Srinivas

HOD, Mechanical Engineering

STUTI Program Coordinator

Prof. B. Srinivasa Prasad,

*Department of Mechanical Engineering,
Deputy Director, Research Activities, GST, GITAM*

Coordinators

Dr. D. Siva Prasad,

*Professor,
Department of Mechanical Engineering,
GST, GITAM*

Dr. V.S.N. Venkata Ramana,

*Associate Professor,
Department of Mechanical Engineering,
GST, GITAM*

Organizing Members

Dr. P. Srinivasa Rao, Asst.Professor

Dr. Ch. Shoba, Asst.Professor

GITAM: Committed for Excellence



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



DST Sponsored

STUTI Program – 2021 (DST/RND/STUTI/2021/18)

National Level training program on

ADVANCED MATERIALS & MANUFACTURING METHODS FOR AUTOMOBILE APPLICATIONS

AMMMAA - 2022

November 23rd - 29th, 2022

STUTI Program Coordinator

Prof. Balla Srinivasa Prasad

GST, GITAM Deemed to be University, Visakhapatnam

Email: sballa@gitam.edu

Training Coordinator(s)

Prof. D. Siva Prasad

Mob: 98484 80122;

Email: sdora@gitam.edu

Dr. V.S.N. Venkata Ramana

Mob: 92464 76394

Email: svuppala@gitam.edu



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING

GST, GITAM Deemed to be University

Visakhapatnam – 530 045

www.gitam.edu

National Level Training Program - 2022

About the GST, GITAM Deemed to be University

GITAM School of Technology (GST) was established in the year 1980. Over the years the Institute made a niche in engineering education at the all India level as certified by various bodies over a period of time. With a complement of highly qualified teachers, skilled technical staff, state-of-the-art laboratories and learning resources, GST is globally recognized as a premier institute in technology and engineering. Many faculty members have made significant contributions both at the National and International levels. The faculty are active in research, have published a good number of research papers with high impact factor, and undertook several research projects funded by UGC, DST, DBT, FST, HPCL, DRDO, etc. The Institute has successfully completed a good number of consultancy assignments in government, public and private sector organizations, such as Visakhapatnam Port Trust, Steel Plant, HPCL, etc

About the Department

Established in the year 1980, The Department of Mechanical Engineering offers an UG program, two PG programs and a Ph. D program as well. The department has faculty with rich experience and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like DRDO, NSTL, and HPCL etc. The Department of Mechanical Engineering, GST, GITAM Deemed to be University, Visakhapatnam has established a Servo hydraulic fatigue testing facility with INSTRON 8801 machine under DST funded FIST program in the year 2011-2012. FIST program was sanctioned to GITAM with an order no: SR/FST/ETI-295/2011(c)/2013/411, dated on 28th August 2012. Presently the department is handling several R & D projects and consultancy works (Projects sanctioned Nos SB/FTP/ETA-262/2013; SB/EMEQ-265/2014; YSS/2015/000907; EEQ/2016/000395; EEQ/2017/000276 etc.). The Department focuses on guiding the students towards discipline and responsibility, thus aiding in the development of model citizens for the society. The Institute has a strong alumni base who occupied leadership positions in government, administration, industry and research organizations across the globe. The Department is giving top priority to establish and strengthen a network of alumni, associating them in the academic activities particularly in curriculum design and campus placements.



About the Program

Department of Science & Technology, Government of India introduced **“Synergistic Training Program Utilizing the Scientific and Technical Infrastructure (STUTI) Program – 2021” (DST/RND/STUTI/2021/18)**. The scheme is intended to human resource and its capacity building through open access to S&T infrastructure across the country. Therefore, the DST & GITAM Deemed to be University 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 Post Doctoral Fellows actively involved in research across various institutions in the country.

Department of Mechanical Engineering, GST

Objectives

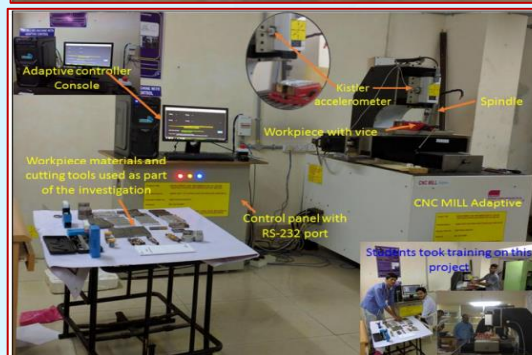
- To provide and/or upgrade scientific and technological skills and knowledge through open access to scientific and technology Infrastructure
- To provide an insight in to advanced research in the field of Mechanical Engineering
- To provide hands on training on the research equipment to carryout experimentation and collection of experimental results.
- To provide knowledge on modelling, analysis and interpretation of experimental results.
- To enable faculty members to learn techniques that can help scholars and students as successful participants in a knowledge society.

Registration

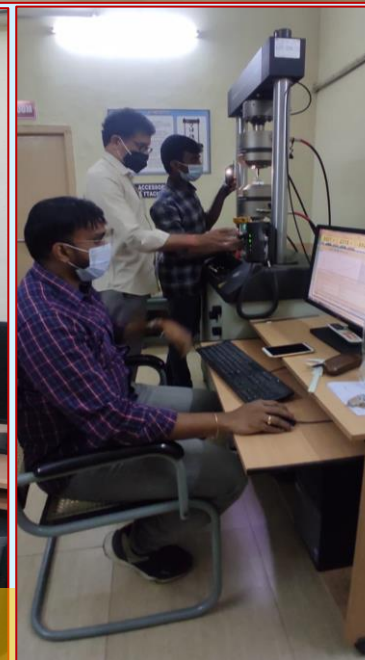
- 3AC travel or equivalent for both sides for participants. 15 double occupancy AC rooms (Maximum 30 participants only). Breakfast, Lunch and Dinner will be provided to all participants.
- The filled in registration form along with biodata of the participant to be sent to stuti2021.git@gmail.com or fill the google form <https://tinyurl.com/stuti2022>
- Last date of submission of Registration form : **15th November 2022**
- Intimate to selected candidates : **20th November 2022**
- No. of participants is limited, selection is based on first come first serve.

Eligibility

- Scientist, Faculty, Research Scholars from various Institutions and Organizations can participate.



Hands on training program



Venue: Department of Mechanical Engineering, GITAM School of Technology, GITAM Deemed to be University, Visakhapatnam

Schedule for 7 days training program on
ADVANCED MATERIALS & MANUFACTURING METHODS FOR AUTOMOBILE APPLICATIONS (AMMAA)
(12.11.2022 – 15.11.2022)

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

Day	Session	Program
Day 1 23.11.2022 (Wednesday)	Morning Session (11.00 am – 1.00 pm)	Topic: Understanding the importance of tension, compression and flexural tests Resource Person: Dr. A. Sandeep/ Mr. B. Diwakar
	Afternoon session (2.00 pm – 4.30 pm)	Hands on experience on Tension, Compression and Flexural test (Day 1) Name of the research equipment: 8801 Servo hydraulic Fatigue Testing System (DST FIST Funding)
Day 2 24.11.2022 (Thursday)	Morning Session (10.00 am – 12.00 pm)	Topic: Importance of Fatigue test of materials in engineering research Resource Person: Dr. A. Sandeep/ Mr. B. Diwakar
	Afternoon session (2.00 pm – 4.30 pm)	Hands on experience on Fatigue of metals (Day 2) Name of the research equipment: 8801 Servo hydraulic Fatigue Testing System (DST FIST Funding)
Day 3 25.11.2022 (Friday)	Morning Session (10.00 am – 12.00 pm)	Topic: 3D printing and CNC programming Resource Person: Dr. P. Srinivasa Rao
	Afternoon session (2.00 pm – 4.30 pm)	Hands on experience using Additive Manufacturing/ Hands on experience using code generation (CADEM) for CNC machining centres (Day 2) Name of the research equipment: CNC Turnmill centre -TMC-XL-200 Funded by SERB- Science Engineering and Research Board
Day 4 26.11.2022 (Saturday)	Morning Session (10.00 am – 12.00 pm)	Topic: Metal machining of components using CNC machining centres Resource Person: Dr. K Arun Vikram
	Afternoon session (2.00 pm – 4.30 pm)	Hands on experience using CNC Turn-mill centre (Day 1) Name of the research equipment: CNC Turnmill centre -TMC-XL-200 Funded by SERB- Science Engineering and Research Board
Day 5 27.11.2022 (Sunday)	Morning Session (10.00 am – 12.00 pm)	Topic: Corrosion Testing of Metals & Alloys Resource Person: Dr. Srikant Gollapudi & Mr. T. Rajesh Kumar Dora
	Afternoon session (2.00 pm – 4.30 pm)	Hands on experience on Corrosion testing (Day 1) Name of the research equipment: IVIUM- Electrochemical work station (Funded by GITAM University)
Day 6 28.11.2022 (Monday)	Morning Session (10.00 am – 12.00 pm)	Topic: Development of Microwave Assisted Sintered Al/SiC composites Resource Person: Dr. Ch. Shoba & Prof. D. Siva Prasad
	Afternoon session (2.00 pm – 4.30 pm)	Hands on experience on fabrication of Al/SiC composites by Powder Metallurgy route (Day 1) Name of the research equipment: Hydraulic press, Planetary ball mill, Impedance tube, Microwave furnace (Funded by Science and Engineering Research Board (SERB-DST))
Day 7 29.11.2022 (Tuesday)	Morning Session (10.00 am – 12.00 pm)	Topic: Bio-diesel Nano Fuels & Nano Lubricants Resource Person: Dr. V. Srinivas and Dr. S. Jai Kumar
	Afternoon session (2.00 pm – 4.30 pm)	Hands on experience on testing of biofuels (Day 1) Name of the research equipment: BS VI multi fuel research engine, Gas and smoke analyzer, Magnetic stirrer, Bath sonicator and probe sonicator etc.. (Funded by GITAM University)
Lunch Break : 12.00 PM to 2.00 PM		

Training Program Coordinator: **Prof. D. Siva Prasad**

Project Coordinator, STUTI: **Prof. Balla Srinivasa Prasad**

Organised at

DEPARTMENT OF MECHANICAL ENGINEERING, GITAM SCHOOL OF TECHNOLOGY,
GITAM DEEMED TO BE UNIVERSITY, VISAKHAPATNAM-530045
UNDER GOVT.OF INDIA'S STUTI PROGRAM -2021 (DST/RND/STUTI/2021/18)