

About GIETU

GIET University, Gunupur, Odisha (formerly known as Gandhi Institute of Engineering and Technology) was established by Vidya Bharati Educational Trust," Gunupur, Odisha, India in the year 1997. Since inception, the Trust promotes Technical Education in India with a motto of providing Quality Education in a highly disciplined and conducive environment with International Standards. Over a period of 23 years, we have grown by leaps and bounds and today our name is identified with quality engineering education in Eastern India. GIET was declared as a state university on 28th Dec 2018 by Govt. of Odisha as 4th Private University of the state. GIET University is approved by Govt. of Odisha and AICTE, New Delhi. Most of the programs offered under the University are accredited by the NBA.

About Department of Mechanical Engineering

Established in 1997, the Department has emerged as a powerhouse for academics, scientific research, and cutting-edge technologies. Mechanical Engineering department is one of the oldest departments of the GIET University. The department provides B.Tech programme with intake strength of one hundred twenty students and three post graduate programmes with an intake of eighteen each. Mechanical department has obtained NBA accreditation four times. The department is well equipped with excellent laboratory facilities and resources both in terms of hardware and software. The department of Mechanical Engineering has center of excellence with Autodesk in association with Twintech, Republic motors, SV NDT Pvt. Ltd. for proving better education towards CAD/CAM, Automobile, Thermal engineering and Production. Department has signed MoUs with various universities and industries of international repute. In addition, Mechanical Engineering department not only provides Ph.D. programs in Mechanical Engineering but also in Multidisciplinary streams.

Chief Patrons

Prof (Dr.) Satya Prakash Panda
President, GIET University, India

Prof (Dr.) Chandra Dhvaj Panda
Vice President, GIET University, India

Prof (Dr.) Jagadish Panda
Director General, GIET University, India

Patrons

Dr. Gautam Ghosh
Vice Chancellor, GIET University, India

Dr. N. V. Jagannadha Rao
Registrar, GIET University, India

Organizing Committee

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Mr. Shakti Prasanna Khadanga, Asst. Professor
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Mr. Sasank Shekhar Panda, Asst. Professor
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Mr. K. Vikash Kumar, Asst. Professor

Programme monitoring committee

Dr. AVNL Sharma, Dean Academics: Chairman
Dr. Prabina Kumar Patnaik, Asso. Professor: Co-ordinator
Dr. JBV Subrahmanyam, Dean R&D: Member
Dr. Ajit Kumar Senapati, HOD, Mechanical: Member
Dr. Subhrajit Pradhan, HOD, ECE: Member
Dr. Tapan Ku Pal, Research Prof. , GIETU Gunupur: Member



AICTE sponsored Online Short Term Training Programme (STTP) on Design, Simulation, Development and Characterization of Composites With Advanced Techniques

Phase-I: 16-11-2020 to 21-11-2020
Phase-II: 30-11-2020 to 05-12-2020
Phase-III: 14-12-2020 to 19-12-2020

Organized by



Department of Mechanical Engineering
School of Engineering and Technology
GIET University
Gunupur-765022, Odisha, India
Web: <https://www.giet.edu/>

About STTP

The design and analysis of composite materials and structures are significantly more complex due to their anisotropic and heterogeneous nature. To achieve reliable, safe and efficient structural systems, the designer has to have a sound knowledge of the micro-macro response of composite structure in varying conditions. This course aims to provide firm understanding about different advanced composites, various manufacturing processes, advanced testing techniques and mechanics of composite materials. The course will include hands-on activities, computer demonstrations and a laboratory tour to provide a better practical understanding of composite materials, processing, mechanical behavior, different characterization techniques and case studies. This is one multidisciplinary concept where design, thermal, production engineering can be integrated to achieve an optimum result.

Topics to be discussed

- Concept of composite materials and their applications in various fields
- Different fabrication processes for composite materials
- Testing and characterization techniques such as DSC, SEM, EDAX, DMA, TGA, etc. for composites
- Use of ANSYS for structural analysis
- 3D-printing of composites for biomedical applications
- Different advanced optimization techniques in material selections, prediction of behavior.
- Tribological and thermal behavior of composites
- Machining of composites
- Green composites
- Nanocomposites and its application
- Surface Engineering of composites

Resource Persons

Dr. S. S. Mahapatra, Professor HAG, NIT Rourkela
Dr. Sashi Kanta Panigrahi, Professor, DIAT, Pune
Dr. Kaushik Pal, Professor, IIT Roorkee
Dr. Brij Kumar Dhindaw, Visiting Professor, IIT BBSR
Dr. Alok Satapathy, Professor, NIT Rourkela
Dr. Arun Kumar Pradhan, Asso. Prof., IIT BBSR
Dr. Y. Ravi Kumar, Asso. Prof., NIT Warangal
Dr. Ranajit Ghosh, , Principal Scientist , CSIR-CMERI, Durgapur
Dr. Debasis Chaira, Asso. Prof., NIT Rourkela
Dr. Saurav Datta, Asso. Prof., NIT Rourkela
Dr. Sisir Mantry, Principal Scientist, CSIR-IMMT, BBSR
Dr. Sandhyarani Biswas, Asst. Prof., NIT Rourkela
Dr. Trupti Ranjan Mahapatra, Asso. Prof., VSSUT Burla
Dr. Saroj Kumar Pradhan , Asso. Prof., CET BBSR
Dr. Ranjeet Kumar Sahu, Asst. Prof., NIT Surathkal
Dr. Kishore Debnath, Asst. Prof., NIT Meghalaya
Dr. Vishesh Ranjan Kar, Asst. Prof., NIT Jamshedpur
Dr. P. T. R. Swain, Asst. Prof., VSSUT Burla
Dr. Mrutyunjay Rout, Asst. Prof, GCEK, Bhawanipatna

Eligibility and Selection Criteria

The faculty members of the AICTE approved institutions, research scholar, and Industry Persons can apply.

Selection will be done based on First-Come-First Serve basis. Decision of the Programme Monitoring Committee (PMC) will be final in all regards.

An evaluation test will be conducted at the end of program and E-Certificates will be issued only to those participants attending all sessions of STTP and who qualifies the test with 60% marks.

Important Dates

Last date of Registration (Phase- I): 13/11/2020
Confirmation to the participants (Phase- I): 14/11/2020

Last date of Registration (Phase- II): 27/11/2020
Confirmation to the participants (Phase- II): 28/11/2020

Last date of Registration (Phase- III): 11/12/2020
Confirmation to the participants (Phase- III): 12/12/2020

Links for Registration

Phase – I:

<https://forms.gle/QriDT4qHypM9QQ3J6>

Phase – II:

<https://forms.gle/sftTDXTAHCGL8BLTA>

Phase – III:

<https://forms.gle/h57xTggjtuVVTJ6n6>

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