



JANSONS INSTITUTE OF TECHNOLOGY
(AN ISO 9001:2008 CERTIFIED INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to Anna University)
Karumathampatti, Coimbatore - 641-659



DEPARTMENT OF MECHANICAL ENGINEERING

26-03-2018

Event Report

Seminar on “Advanced Techniques and Future of Composite Materials in Industries”

IIPE Student Chapter of JIT has organized a Seminar on “Advanced Techniques and Future of Composite Materials in Industries” on 24th March 2018 at LH22. Event had 36 participants (IIPE members) from third year and final years. The resource person is Mr. M.Gopalsamy, Asst Professor, Department of Mechanical Engineering, Karunya Institute of Technology and Sciences, Coimbatore.

Invitee introduced composites materials as question and answer such as what is composite, its need and applications in various industries. Later introduced the various types of composites such as Metal Matrix Composites, Ceramic Matrix Composites and Polymer Matrix Composites and compared the properties of composites with other materials with the help of Ashby Plots. Explained about polymer composites and its phases such as Matrix phase (Thermoplastic and Thermoset) and Reinforcement phase (Fiber, Flake and Particulate). Continuing with detailing the characteristics of composite resins matrices and properties of natural and synthetic fibers. Explained the various manufacturing processes involved in manufacturing composites and displayed various composites manufactured in various processes. Detailed the need of testing and explained various test such as tensile test, flexural test, hardness test, impact test, dry sliding abrasive wear test, dry and wet sand rubber abrasive wear, scanning electron microscope (with sample images) and concluded the talk with describing advantage and disadvantage, applications of composites in various industries and future scope of composites in industries and R&D sectors. Finally, made a demo of preparing a natural fiber composite.

At the end, HoD and faculty co-ordinator presented the momento to the guest and Question and Answer session held for 15 minutes regarding various processes involved in manufacturing composites, local availability and future scope.


M. KRISHNA KUMAR.



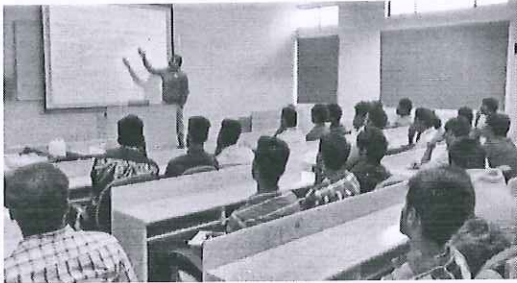
Dr. C. SOMYA YADAV
HOD / MECH

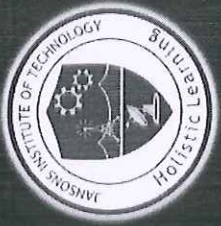


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EVENT PHOTOS





JANSONS
INSTITUTE OF TECHNOLOGY

This is to certify that

GODWIN KEVIN RAJ G

has actively participated in a Seminar on

ADVANCED TECHNIQUES AND FUTURE OF COMPOSITE MATERIALS IN INDUSTRIES

held on March 24, 2018

In recognition of his active and invaluable participation during the conduct of the Seminar

Organized on behalf of

Jansons Institute of Technology - Indian Institute of Production Engineers Student Chapter



IIPE Faculty Coordinator
SIGNATURE

HoD / Mech
SIGNATURE