

Workshop on Composites Preform Formation Techniques & its Characterization

Date: 8th & 9th June 2017

Venue: PSG Techs COE Indutech, Avanashi road, Neelambur, Coimbatore - 641062.

Participants: Faculty members, research scholars and students from various colleges

Programme Schedule

8th June 2017

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| 10.00 - 10.20 | : | Welcome Address |
| 10.20 – 10.35 | : | Tea Break |
| 10.35 – 11.35 | : | Natural & Synthetic Fiber Composites |
| 11.35 – 12.35 | : | Woven, Knit and 3 D Preform |
| 12.35 – 1.00 | : | Discussion |
| 1.00 - 2.00 | : | Lunch Break |
| 2.00 - 3.00 | : | Needle Punching and Thermal Bonding Principles |
| 3.00 - 3.15 | : | Tea Break |
| 3.15 – 4.00 | : | Live demonstration of Needle Punching machines. |

9th June 2017

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| 10.00 – 11.00 | : | Natural Fibre Reinforced Composites |
| 11.00 - 11.15 | : | Tea Break |
| 11.15 to 1.00 | : | Live demo. of Testing Insts FESEM, Impedance Tube & Tensile strength testers |
| 1.15 to 2.00 | : | Lunch |
| 2.00 to 3.00 | : | Live demo. of Testing Insts FESEM, Impedance Tube & Tensile strength testers |
| 3.00 to 3.15 | : | Tea Break |
| 3.00 to 4.00 | : | Explanation of other testing instruments in the testing lab & product display |

Program Details

- Number of participants were thirty nine
- Dr Thilagavathi, Jt Director, welcomed the participants and gave a general introduction about activities of PSGTECHS COE INDUTECH and about composites
- A Lecture about Natural and Synthetic Fibre Composites was given by Dr J C Sakhtivel. Mr Krishnaswamy then gave a lecture about Woven, Knit and 3 D Preform. This was followed by discussion to clarify the queries
- After lunch Dr Senthilram gave theory lessons and practical demonstration of Needle Punching , Thermal Bonding and Calendering techniques. Coir needle punching machines and different type of nonwoven products were shown to the participants.
- Second day started with the lecture of Ms Vishnu Vardhini on Natural Fibre reinforced composites
- The participants were divided into 3 batches and live demonstration of testing instruments, FESEM, Impedance tube and Tensile Strength Testers were given.
- The participants were then taken to all the testing instruments that were installed in the testing laboratory and the instruments were briefly explained





