

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

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

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 Sakthivel. 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





