

The truth behind the take-off !

STIMULATIONS – 2018

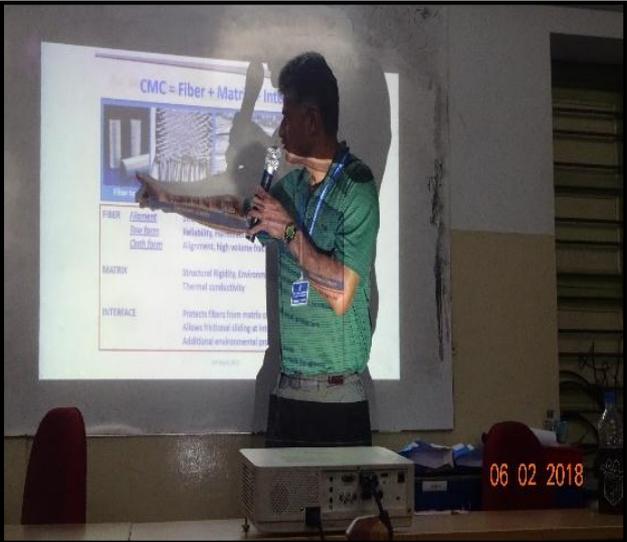
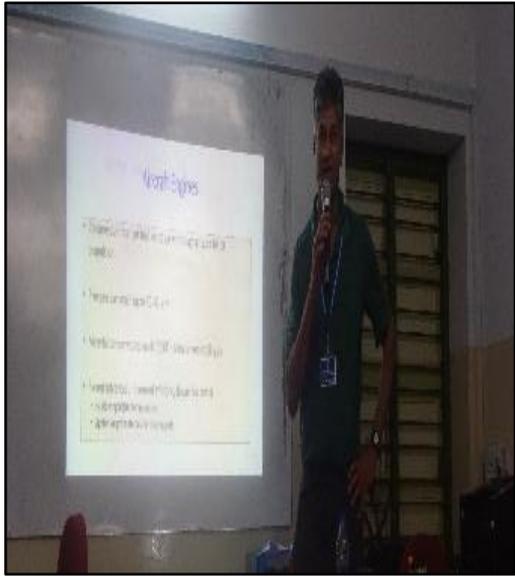
“How many of you have been on a plane?” was the question posed to the eager group of the science students of Std. XI by Dr. T. A. Parthasarathy, (Director, Research and Development, UES Inc., Dayton Ohio) as he began his seminar on “RECENT ADVANCES IN AIRCRAFT ENGINES”, a Stimulation venture by the Science department of PSBB Ngm.

Welcomed with a memento by the Principal Mrs. Vasanthi, Dr. Parthasarathy proceeded to ‘take-off’ at 1pm on 6th February, with the staff and students ‘airborne’ for an hour ! Having done extensive research on ceramic materials to improve the driving force behind the aeroplane: the engines, he enthralled the students with his fascinating lecture.

Dr. Parthasarathy first explained the mechanism of the functioning of the engines, with particular emphasis on the arrangement of the parts and the significance of the materials used. He surprised the students, saying that ceramics, a material once thought of as too brittle, was used, now with an improved Ceramic Material Composite allowing higher temperatures and greater efficiencies. It is eco-friendly and reduces the harmful gases released into the atmosphere.

The students were bowled over by his lucid and comprehensive explanation, using simple terms to explain complex concepts. The question and answer session was a veritable treasure trove, and he made himself very approachable, treating no question as too basic. Some thought provoking questions were put forth, and it was revealed that there might be engines made of ceramics alone in the near future!

The experience was an eye-opener, an exposure to the tremendous thought, innovation and architecture behind inventions. At the end of the lecture, the students ‘landed safely’ in the room with a newfound knowledge and understanding, to be remembered in every aeroplane ride henceforth.



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