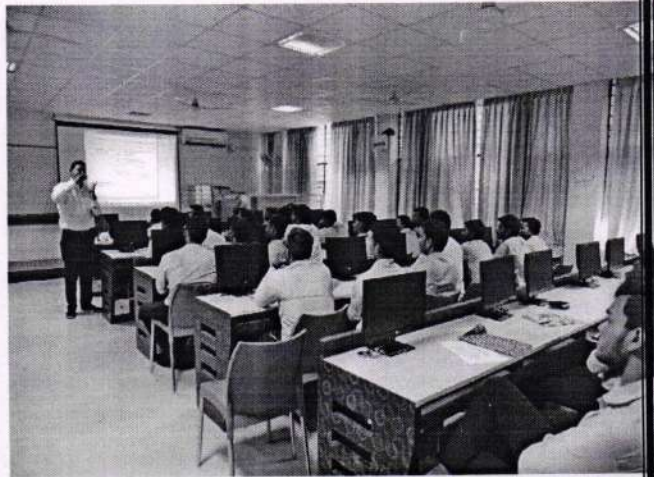
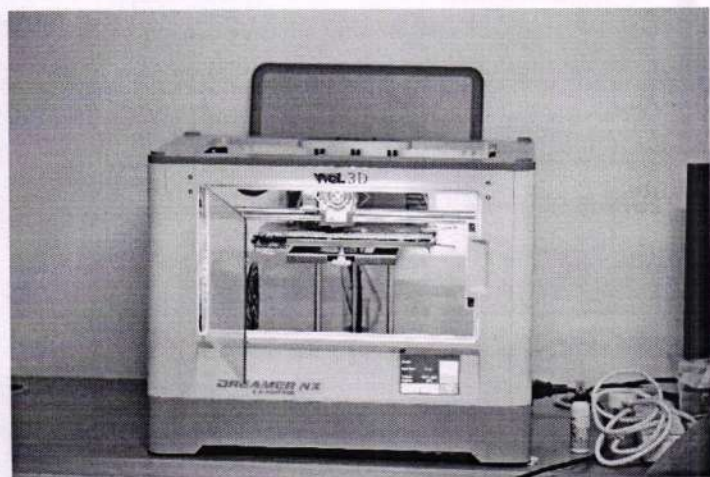
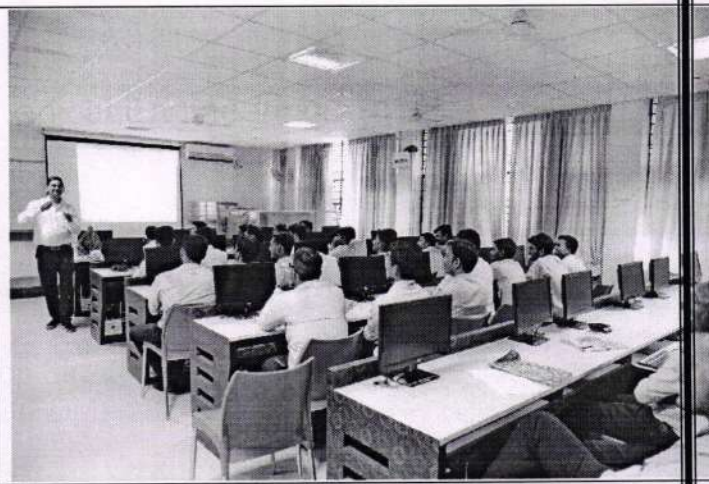


Department of Mechanical Engineering



Two Day Workshop on Rapid Prototyping (FDM)

Name of Event :	Two Day Workshop on Rapid Prototyping (FDM)	Date of Conduction :	28-29 Sept. 2018
Time	10:00 am -05:00 pm	No. of Students:-	132



Objective of Workshop: To select and apply suitable Rapid Prototyping techniques for engineering applications



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Workshop Report

Sr.No.	Name Of The Workshop	Name Of The Faculty	Organization Of faculty
1	Rapid Prototyping (FDM)	Mr. S. P. Rahane	Prototype Solution LLP

Mr. S. P. Rahane gave the introductory speech and started delivering the fundamentals of Additive Manufacturing. He introduced the Solid based techniques such as Laminated Object Manufacturing, Liquid based techniques such as Stereolithography and powder-based method such as selective laser sintering. As it was decided to perform the actual 3D printing of the models, various cad geometries drawn by the students were selected. Initially they were drawn with the help of cad modeling software and converted into STL format. These STL files were then opened into SIMPLIFY 3D, printing software where the important parameters such as fill density, base surface selection, support generations, layer thickness etc. were selected to finally convert the virtual models into an actual prototype. Even some of the small but complex geometries were also created and casted into reality.

Outcome of Workshop: Understanding of various rapid manufacturing techniques and develop competency in designing and developing products using rapid manufacturing technology.



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