

Department: ME
Date: 18th December, 2021

One Day Skill Development Program On
"RPT:A 3D Printing Practical Approach"
Under Robotics Club Of SVEC
18th December, 2021

The Department of Mechanical Engineering organized a One Day Skill Development Program On "RPT:A 3D Printing Practical Approach" Under Robotics Club Of SVEC is held on 18th December, 2021. The resource person is Mr.K.Rakesh, National manager at VSD3D Enterprises Hyderabad. A good number of students have attended the program.



Dr.K.C.Varaprasad, Professor Briefing about resource persons and RPT introduction

The program has begin with Welcome speech followed by reading of resource person's brief profile by Dr.K.C.Varaprasad, Professor, Dept of Mechanical Engineering, SVEC and precided over by Dr.R.Satya meher,Professor & HOD, Dept of Mechanical Engineering, SVEC on 3D Printing trends and scope.

Mr.K.Rakesh started his talk with discussion about the need and importance of Powder metallurgy in various fields such as automobile, defence and space sectors. The basic methodology of production route and comparison with conventional production methods.



Mr.K.Rakesh delivering over the topic of RPT:3D Printing technology

Mr.K.Rakesh covered all Manufacturing process related to powder metallurgy as per the objectives we made to organize the event. A session over 3D Printing in multi disciplinary application with industrial case studies.A detailed demonstration of 3D scanner was delivered with every day utilities and live examples followed by a noon session over 3D printer demonstration, Equipmental discriptiona and demonstration.The final session invovled a hands on training using a simulator software named CURA and a ended up with a conclusion over RPT:A 3D Printing Practical Approach and their future applications.

Through this Skill Development Program the following outcomes were observed.

Students :

- Acquired knowledge on various powder metallurgical productions methods and their imporatnces in various domains of industries.
- Acquired information regarding the real time industrial demands and opportunities in 3D Printing.



Mr.K.Rakesh delivering over the topic of RPT:3D Printing technology

Co-coordinator: **Dr.K.L.Narasimhamu, Professor**

& Ms.P.Thejasree, Asst. Professor.

Coordinator of the Program: **Mr.K.Parthiva, Asst. Professor.**

HOD, ME

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