



SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector 5, Nerul, Navimumbai-400706

Department of Printing and Packaging Technology
Event Report

Value-added course on Structural Modeling and 3D Printing
13/12/2021 to 24/12/2021

Event Information

Event Type: Value added course with internship projects

Event title: Structural Modeling and 3D Printing

Resource Person: External: Mr. Karan Chaphekar - Consultant 3D Printing,
Internal: Prof. Prashant Ambadekar
Prof. Mohd. Ali Ansari
Prof. Sandesh Ramteke
Prof. Sagar Waghmare.

Event date: 13/12/2021 to 24/12/2021

Organized for: Student Faculty

Organized by Department of Printing and Packaging Technology and Mechanical Engineering Department

Target audience : SE, TE and BE students

Branch: PPT and MECH

Number of students registered: 31

Number of students joined on first day: 14

Number of students completed the course: 12

Number of students completed the internship projects: 12

Attachments: 1. List of internship Projects completed by the students
2. List of students
3. Attendance report
3. Feedback
4. Certificate, Photographs (in JPEG/PNG)

Event Description

The event was a great success, as 16 students from both Printing and Packaging technology department and Mechanical Engineering were present for the workshop on one platform.

Students were benefited with the session by knowing methods to build an STL based 3D printer of their choice and troubleshoot various issues arising while printing the object. Robust situations that arise during the actual printing were experienced by the participants and hands-on training was provided during the session on day 6 and 7. The result of which was observed when students designed a product of their own using SolidWorks and 3D printed it on the printer with hands-on experience. There were assignments that were offered to students and solutions that were provided in case of any difficulty. Industry expert Mr. Chaphekar shared his experience on building 3D printers and challenges faced by the industry.

Attachments:

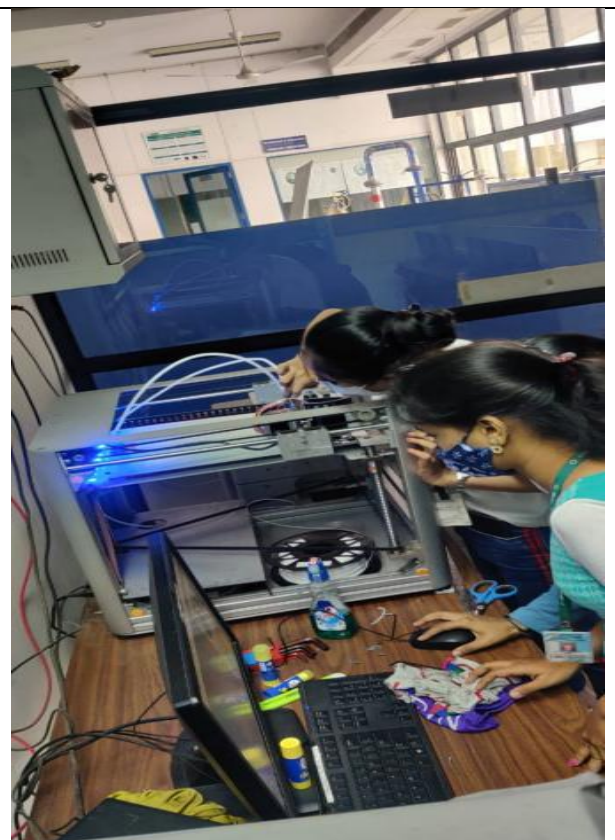
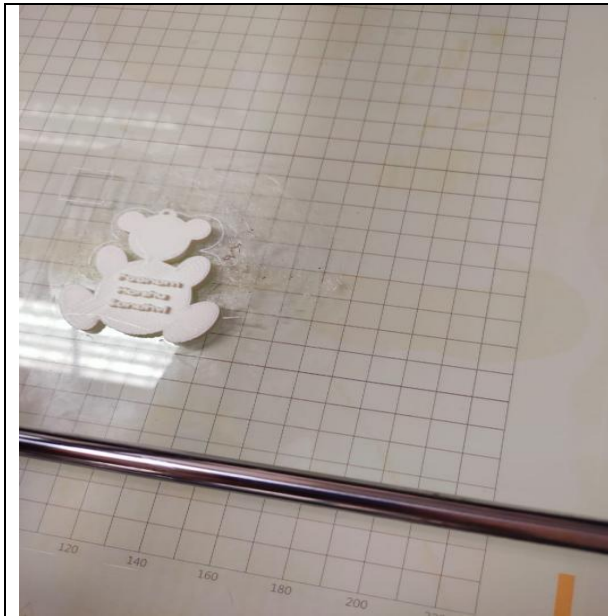
1. List of internship Projects completed by the students:

- I. Project on 3D Modelling
- II. Project using 3D slicer Software

2. List of students / 3. Attendance Report

Sr. No	PRN	Name of Student	Branch	Year of Study	Contact (Mobile Number)	Email id (sies.edu.in)
1	219A6069	Sidharth viavaramesh	ME	Final Year	9167329179	sidharthvme219@gst.sies.edu.in
2	119A6054	Shubham varade	ME	Final Year	7506268436	shubhamvme119@gst.sies.edu.in
3	119A6011	Prayag gorule	ME	Third Year	9082902588	prayaggme119@gst.sies.edu.in
4	118A6022	Varun konar	ME	Third Year	8928051933	varunkme118@gst.sies.edu.in
5	118A6002	Akhilesh srilalan	ME	Third Year	8898228533	akhileshsme118@gst.sies.edu.in
6	119A6044	Siddhesh sawant	ME	Final Year	9920048255	siddheshsme119@gst.sies.edu.in
7	118A6026	Nishant laddha	ME	Final Year	9167022833	nishantlme118@gst.sies.edu.in
8	119A6050	Vikhilan swamy	ME	Third Year	9167714114	vikhilansme119@gst.sies.edu.in
9	119A4018	Sandhvi thakur	PPT	Third Year	7820831385	sandhvitppt119@gst.sies.edu.in
10	119A4014	Harshada kurade	PPT	Third Year	7045484695	harshadakppt119@gst.sies.edu.in
11	118A6031	Afhan mulla	ME	Third Year	9359296329	afhanmme118@gst.sies.edu.in
12	119A4021	Subhankar. kesharwani	PPT	Third Year	9082403911	subhankarkppt119@gst.sies.edu.in
14	119A6047	Srikirshna naganathan	ME	Third Year	7678065952	srikirshnanme119@gst.sies.edu.in

3. Certificate, Photographs (in JPEG/PNG)





Impact of Feedback

Students were given hands-on training on the powder based, Fused Deposited Modeling machine (3D Printer). Students designed the components in Solidworks and the .STL file was fed to the 3D printer, which printed the object as shown in the photographs above.