

**Department of Printing and Packaging Technology**

**Event Report**

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

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| **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  [Type a quote from the document or the summary of an interesting point. You can position the text box anywhere in the document. Use the Text Box Tools tab to change the formatting of the pull quote text box.]  [Type a quote from the document or the summary of an interesting point. You can position the text box anywhere in the document. Use the Text Box Tools tab to change the formatting of the pull quote text box.] |
| **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)** |

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| **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. |
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Attachments:

1. **List of internship Projects completed by the students:**

I. Project on 3D Modelling

II. Project using 3D slicer Software

1. **List of students / 3. Attendance Report**

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| **Sr. No** | **PRN** | **Name of Student** | **Branch** | **Year of Study** | **Contact (Mobile) Number** | **Email id (sies.edu.in)** |
| 1 | 219A6069 | Sidharth vijayaramesh | 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 |

1. **Certificate, Photographs (in JPEG/PNG)**

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| WhatsApp Image 2021-12-18 at 1.28.38 PM | WhatsApp Image 2021-12-18 at 1.28.40 PM |
| WhatsApp Image 2021-12-18 at 1.32.34 PM | WhatsApp Image 2021-12-18 at 1.32.34 PM (1) |
| WhatsApp Image 2021-12-18 at 1.32.34 PM (4) | |

**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.