



## ST. XAVIER'S COLLEGE, MAPUSA GOA

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<b>Nature of Event</b> (Workshop, Guest Lecture, Add-on Course, Seminar, etc.)	Field Trip (Workshop)
<b>Name of Department</b>	Computer Science
<b>Faculty In-Charge</b>	Ms. Sandra Fernandes Mr. Edwin D'Souza Ms. Melissa Rodrigues
<b>Stratum of Event</b> (College, State, Regional, National)	College
<b>Title of Event</b>	Workshop on 3D Printing at Rapid Prototyping Lab, Goa State Innovation Council
<b>Date of Event</b>	4 <sup>th</sup> April 2023
<b>Venue</b>	Goa State Innovation Council (Don Bosco College of Engineering, Fatorda, Margao)
<b>Resource Person details</b>	1. Mr. Shivraj Naik, Rapid Prototyping Lab, Goa State Innovation Council 2. Mr. Siddhant Panjekar, Rapid Prototyping Lab, Goa State Innovation Council
<b>Objective/ Scope of Event</b>	To become familiar with relevant 3D printing technologies and systems and help the students understand the design, functioning and operation of a basic 3D Printer.
<b>Particulars of Event</b>	<p>The visit to the Goa State Innovation Council (GSInC) Rapid Prototyping Lab at Don Bosco College of Engineering, Fatorda, Margao, on 4th April, 2023, was a valuable experience for the students from the Department of Computer Science. GSInC has established the Prototyping Lab to encourage innovation and provide resources to students, startups, innovators, research faculty, and entrepreneurs. The lab is equipped with advanced equipment and staffed with experts to support learners of all backgrounds and capacities in exploring and advancing design.</p> <p>The workshop started at 9.30 a.m. with Mr. Shivraj Naik introducing GSInC's contribution to innovation and explained the various schemes and opportunities provided by the government for nurturing students' ideas related to startup and innovation. The students later had the opportunity to see the 3D printers in action and learn about their working. The printers are capable of printing various models of different sizes and materials like PLA, ABS, and carbon fibre. Mr. Siddhant Panjekar, later introduced robotics and laser</p>

	<p>cutting, which was also helpful in broadening the students' understanding of the prototyping process.</p> <p>Overall, the visit to the GSInC's Rapid Prototyping Lab was an excellent opportunity for the students to gain knowledge and experience firsthand how new ideas are developed and tested. It was a valuable learning experience that will surely benefit them in their future endeavours.</p> <p>We are grateful to Mr. Pradeep Morajkar (Department of Physics) for assisting in arranging the workshop.</p>
<b>Outcome of Event</b>	The workshop equipped the students with comprehensive knowledge about the various types of 3D printers, software, and materials involved in the printing process. Additionally, they acquired information in operating 3D printers, which resulted in the acquisition of new skills and an overall increase in their knowledge and experience.
<b>Feedback</b>	The visit to the Prototyping Lab for the workshop on 3D Printers was a valuable experience which helped the students to enhance their understanding of 3D printing technology.
<b>Total No. of Participants</b>	Students – 24 Faculty – 03

**Photographs :**



