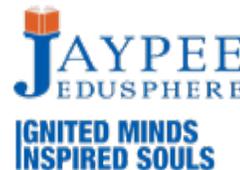




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REPORT OF TWO DAYS HANDS ON WORKSHOP FOR TECHNICAL STAFF ON 3D PRINTING TECHNOLOGY



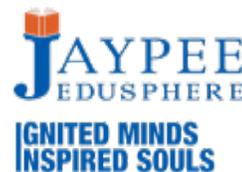
Institution's Innovation Council (IIC) in collaboration with Technology Incubation and Entrepreneurship Development Cell (TIEDC), and IEEE JUIT SB organized two days of technical staff hands-on workshop on 3D Printing Technology from June 20-21, 2024 in ECL8, Jaypee University of Information Technology, Solan, Himachal Pradesh.

Dr. Vikas Baghel, Department of Electronics and Communication Engineering was the resource person of the workshop. The aim of the workshop is to make staff aware about the concept & importance of 3D printing Technology. The objective of the workshop is to provide the knowledge, which will provide them the opportunity to acquire innovative ideas of 3D Printing Techniques with creativity. In total 20 lab staff of different departments gained the knowledge.



3D technology is the transformative technology that allows for the creation of three-dimensional objects from digital models. The schedule of the program is as follows :

Date	Time	
20 June 2024 (Thursday)	10:00 AM	Introduction to 3D Printing and Basic Operations <ul style="list-style-type: none"> • History and evolution of 3D printing • 3D printing work flow • Types of 3D printing technologies • Materials used in 3D printing • Applications of 3D printing • Challenges and Limitations of 3D Printing • Components of a 3D printer (Bambu Lab X1E Printer)
	03:00 PM	AMS: Fundamentals and Functionality



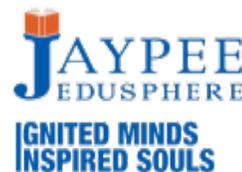
		<ul style="list-style-type: none"> AMS components AMS feeding system introduction Main functions of AMS AMS setup and Filament Loading Safety precautions and best practices
21 June 2024 (Friday)	10:00 AM	<p>Filaments: Types, Properties, and Uses</p> <ul style="list-style-type: none"> Supported Filament Types Filament selection properties Filament drying 3D Printer temperature settings <p>3D Modeling Basics</p> <ul style="list-style-type: none"> Slicing software introduction (Bambu Studio) Basic 3D modeling technique Hands-on session: Creating simple 3D models Hands-on session: Preparing models for printing
	03:00 PM	<p>Advanced Printing Techniques & Projects</p> <ul style="list-style-type: none"> Multi-material printing Using supports and rafts effectively Hands-on session: Group projects Creating prototypes Project demonstration Feedback session

Participants:

S.No.	Participants	Department
1	Mrs. Jyotsna Bajaj	Department of Electronics & Communication Engineering



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2	Dr. Ajay Kumar	Department of Electronics & Communication Engineering
3	Sh. Dharendra K Singh	Department of Electronics & Communication Engineering
4	Sh. Kamlesh Kumar Srivastava	Department of Electronics & Communication Engineering
5	Shambhoo Nath	Department of Electronics & Communication Engineering
6	Shruti Jain	Department of Electronics & Communication Engineering
7	Rajiv Kumar	Department of Electronics & Communication Engineering
8	Shweta Pandit	Department of Electronics & Communication Engineering
9	Sh. Ashok Kishtwal	Department of Computer Science & Engineering/ IT
10	Sh. Hardeep Rana	Department of Computer Science & Engineering/ IT
11	Sh. Shiv K Gupta	Department of Computer Science & Engineering/ IT
12	Mr. Rohit	Department of Computer Science & Engineering/ IT
13	Sh. Mohan Sharma	Department of Computer Science & Engineering/ IT
14	Sh. Ravi Raina	Department of Computer Science & Engineering/ IT
15	Sh. Vijay Kumar	Department of Computer Science & Engineering/ IT
16	Sh. Pramod Kumar	Department of Computer Science & Engineering/ IT
17	Sh. Deep Narayan Tripathi	Department of Computer Science & Engineering/ IT
18	Mrs. Somlata Sharma	Department of Biotechnology & Bioinformatics
19	Mohd. Ismail Sddiqui	Department of Biotechnology & Bioinformatics
20	Sudhir Kumar	Department of Biotechnology & Bioinformatics
21	Baleshwar	Department of Biotechnology & Bioinformatics
22	Mamta Mishra	Department of Biotechnology & Bioinformatics
23	Sonika	Department of Biotechnology & Bioinformatics
24	Mr. Amar Kumar	Department of Civil Engineering
25	Mr. Jaswinder Singh	Department of Civil Engineering
26	Mr. Rajesh Sahu	Department of Civil Engineering
27	Mr. Itesh Singh	Department of Civil Engineering
28	Sh. Pradeep Kumar Singh	Department of Civil Engineering
29	Ashish Kumar	Department of Civil Engineering
30	Sh. Kamlesh Mishra	Department of Physics and Material Science
31	Sh. Ravendra Kumar Tiwari	Department of Physics and Material Science
32	Ms. Priya	Department of Physics and Material Science
33	Sh. Mahender Thakur	Language Lab
34	Sh. Amit Kumar Shrivastava	Department of Computer Science & Engineering/ IT
35	Sh. Dinesh Singh	Department of Computer Science & Engineering/ IT
36	Sh. Chaman Lal	Department of Computer Science & Engineering/ IT
37	Sh. Arindam Das	Department of Computer Science & Engineering/ IT
38	Sh. Roshan Lal	Department of Computer Science & Engineering/ IT

39	Mr. Ankush Tanta	Department of Computer Science & Engineering/ IT
40	Mr. Praveen Kumar	Department of Computer Science & Engineering/ IT
41	Ms. Deepalika	Department of Computer Science & Engineering/ IT
42	Sh. Akhilesh K.Singh	Department of Computer Science & Engineering/ IT
43	Sh. Harendra Kumar	Department of Computer Science & Engineering/ IT







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Newspaper :

<https://himachaltonite.com/himachal/juit-hosts-hands-on-3d-printing-workshop-for-lab-staff/>

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Solan, June 23

The Institution's Innovation Council (IIC), in collaboration with the Technology Incubation and Entrepreneurship Development Cell (TIEDC) and the IEEE JUIT Student Branch, organized a two-day hands-on workshop on 3D Printing Technology. The event took place on June 20-21, 2024, in ECL8 at Jaypee University of Information Technology, Wagnaghat. Dr. Vikas Baghel, Assistant Professor in the Department of Electronics and Communication Engineering, led the workshop as the resource person.

The primary aim of the workshop was to raise awareness among staff about the concept and importance of 3D printing technology. It also aimed to equip participants with the knowledge and skills necessary to generate innovative ideas using 3D printing techniques. By providing hands-on experience, the workshop highlighted how 3D technology can transform the creation of three-dimensional objects from digital models, fostering creativity and innovation among the staff.