

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT, P.O. - WAKNAGHAT,

TEHSIL - KANDAGHAT, DISTRICT - SOLAN (H.P.)
PIN - 173234 (INDIA) Phone Number- +91-1792-257999
(Established by H.P. State Legislature vide Act No. 14 of 2002)







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.





JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT, P.O. - WAKNAGHAT,

TEHSIL - KANDAGHAT, DISTRICT - SOLAN (H.P.) PIN - 173234 (INDIA) Phone Number- +91-1792-257999



(Established by H.P. State Legislature vide Act No. 14 of 2002)







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	
		Introduction to 3D Printing and Basic Operations
		 History and evolution of 3D printing
		• 3D printing work flow
		 Types of 3D printing technologies
20 June 2024	10:00 AM	 Materials used in 3D printing
(Thursday)		 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



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT, P.O. – WAKNAGHAT,

TEHSIL - KANDAGHAT, DISTRICT - SOLAN (H.P.) PIN - 173234 (INDIA) Phone Number- +91-1792-257999



(Established by H.P. State Legislature vide Act No. 14 of 2002)





	(ministry of Eddeadorf findative)	JUIT STUDENT BRANCH
		AMS components
		AMS feeding system introduction
		Main functions of AMS
		AMS setup and Filament Loading
		Safety precautions and best practices
		Filaments: Types, Properties, and Uses
		Supported Filament Types
		Filament selection properties
		Filament drying
		3D Printer temperature settings
	10:00 AM	
		3D Modeling Basics
		Slicing software introduction (Bambu Studio)
21 June 2024		Basic 3D modeling technique
(Friday)		Hands-on session: Creating simple 3D models
		Hands-on session: Preparing models for printing
		Advanced Printing Techniques& Projects
		Multi-material printing
		Using supports and rafts effectively
	03:00 PM	Hands-on session: Group projects
		Creating prototypes
		Project demonstration
		Feedback session
	•	





JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT, P.O. - WAKNAGHAT,

TEHSIL - KANDAGHAT, DISTRICT - SOLAN (H.P.) PIN - 173234 (INDIA) Phone Number- +91-1792-257999

(Established by H.P. State Legislature vide Act No. 14 of 2002)

















JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

WAKNAGHAT, P.O. – WAKNAGHAT, TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.) PIN – 173234 (INDIA) Phone Number- +91-1792-257999

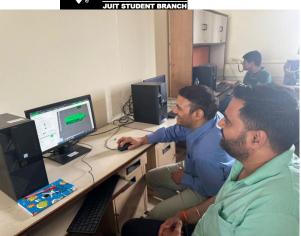
(Established by H.P. State Legislature vide Act No. 14 of 2002)























JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT, P.O. – WAKNAGHAT,

TEHSIL - KANDAGHAT, DISTRICT - SOLAN (H.P.)
PIN - 173234 (INDIA) Phone Number- +91-1792-257999

(Established by H.P. State Legislature vide Act No. 14 of 2002)









Social Media

 $https://www.linkedin.com/posts/dr-shruti-jain-92705b130_institutions-innovation-council-iic-in-activity-7209831489197260803-5V-3?utm_source=share\&utm_medium=member_desktop$

Newspaper:

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

