

Report on 3-day hands on training programme on 3D printing

Assam Science and Technology University organized 3-day hands on training programme on 3D printing from February 10 to 12, 2021. The workshop was organized under TEQIP-III, MHRD, Govt. of India. This event was organized at the ASTU campus and all the governmental protocols such as maintaining social distancing, mandatory use of mask and using alcohol-based hand sanitizers were followed strictly. The maximum number of participants was also restricted to 30 so that social distancing was maintained at all times.

3D printing is an emerging technology that holds a lot of promises for the future. The aim of this hands-on training programme was to acquaint the students with the fundamentals of 3D printing, teach them to assemble a basic 3D printer, using the software associated with the 3D printer and actually 3D printing a product. 7 young trainers who are actively working in the 3D printing domain were selected as trainers for the event. All the 30 participants were segregated in groups of 6 into 5 groups.

PROGRAMME SCHEDULE

DAY	TIME	SESSION
1	9.30-10.00AM	REGISTRATION AND BREAKFAST
	10.00-11.00AM	Orientation talk Additive Manufacturing
	11.00-12.00PM	Introduction to 3D pen and application
	12.00-13.00PM	Introduction to 3D printer - Build your 3D printer
	13.00-13.45PM	LUNCH
	13.45-16.00PM	Build your 3D printer continues and Test Print
2	9.30-10.00AM	BREAKFAST
	10.00-11.00AM	Expert Talk by Dr. Sajan Kapil (Asst.Prof. IITG)
	11.00-11.30AM	Make a prototype
	11.30-13.00PM	Introduction to 3D design software, slicing tools
	13.00-13.45PM	LUNCH
	13.45-16.00PM	Printing and testing of the parts
3	9.30-10.00AM	BREAKFAST
	10.00-13.00PM	Printing, testing and finishing
	13.00-13.45PM	LUNCH
	13.45-14.30PM	Printing, testing and finishing
	14.30-15.30PM	Project showcase
	15.30-16.30PM	Valedictory session

Venue: ASTU Seminar Hall
Time: 9.30am

Dr. Sajan Kapil, Assistant Professor, Department of Mechanical Engineering, IIT-G, was the invited expert on the second day (11/02/2021) of the training programme. He attended the event virtually through Zoom Cloud meetings. Dr. Kapil enlightened the students about the importance of 3D printing at current times, the principle of 3D printers, different types of 3D printers and its application.



All the participants thoroughly enjoyed the 3-day training. Each one of them gained valuable hands-on experience with 3D printers and the proprietary software to design the virtual models.

Attendance of the training programme



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 Website: www.astu.ac.in

Three day workshop on 3-D printing

Trainer Attendance

Date: 10/02/2021

Sl No.	Name	Signature
1	Pratim Das	<i>Pratim Das</i>
2	DIPJYOTI KUMAR	<i>Dipjyoti Kumar</i>
3	Manash Kuntal Deka	<i>Manash Kuntal Deka</i>
4	DEVASISH SAIKIA	<i>D. Saikia</i>
5	Kaushik Kashyap Borah	<i>Kaushik Borah</i>
6	Pannab Jyoti Doley	<i>Pannab Doley</i>
7	MISISIPI HAZARIKA	<i>Misisipi Hazarika</i>
8		
10		



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VENUE- ASTU, Guwahati

Three Day workshop on 3-D Printing under TEQIP-III on 10th to 12th February, 2021

Registration

SL NO	NAME (fill up in block letters)	CASTE (ST/SC/OBC/UR)	GENDER (M/F)	INSTITUTE	SIGNATURE		
					10/02/2021	11/02/2021	12/02/2021
1	BHASKAR JYOTI KUMAR	OBC	M	SITM	<i>Bhaskar Jyoti</i>	<i>Bhaskar Jyoti</i>	<i>Bhaskar Jyoti</i>
2	ERIK DAUBUNG LANGTHASA	ST	M	SITM	<i>Erik Daubung</i>	<i>Erik Daubung</i>	<i>Erik Daubung</i>
3	CHITRALI HAZARIKA	MOBC	F	ASTU	<i>Chitrali</i>	<i>Chitrali</i>	<i>Chitrali</i>
4	ARUNIMA KOCH	OBC	F	ASTU	<i>Arunima</i>	<i>Arunima</i>	<i>Arunima</i>
5	GAURAV SAIKIA	MOBC	M	ASTU	<i>Gaurav</i>	<i>Gaurav</i>	<i>Gaurav</i>
6	IRAMUL HOSSAIN MONDAL	GE	M	ASTU	<i>Iramul</i>	<i>Iramul</i>	<i>Iramul</i>
7	W. JASON SINGHA	OBC	M	ASTU	<i>W. Jason Singha</i>	<i>W. Jason Singha</i>	<i>W. Jason Singha</i>
8	SAURAV BHATTACHARJEE	GEN	M	ASTU	<i>Saurav</i>	<i>Saurav</i>	<i>Saurav</i>
9	Kamangshu Raj Pathak	OBC	M	AEC	<i>Kamangshu</i>	<i>Kamangshu</i>	<i>Kamangshu</i>
10	Birendra Datta	GEN	M	AEC	<i>Birendra</i>	<i>Birendra</i>	<i>Birendra</i>
11	Mitchel Karmakar	OBC	M	ASTU	<i>Mitchel</i>	<i>Mitchel</i>	<i>Mitchel</i>
12	Salim Sharma	GEN	M	ASTU	<i>Salim</i>	<i>Salim</i>	<i>Salim</i>
13	SAGAR DEVA	GEN	M	ASTU AEC	<i>Sagar</i>	<i>Sagar</i>	<i>Sagar</i>
14	PRINCE DAS	SC	M	ASTU	<i>Prince</i>	<i>Prince</i>	<i>Prince</i>



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15	SITOPAN TALUKDAR	UR	M	ASTU	<i>Sitopon</i>	<i>Sitopon</i>	<i>Sitopon</i>
16	Nilanjan Ojha	UR	M	ASTU	<i>Nilanjan</i>	<i>Nilanjan</i>	<i>Nilanjan</i>
17	Nilam Pathak	UR	M	ASTU	<i>Nilam</i>	<i>Nilam</i>	<i>Nilam</i>
18	Anwar Datta	UR	M	ASTU	<i>Anwar</i>	<i>Anwar</i>	<i>Anwar</i>
19	Ankur Bhattacharya	OBC	M	ASTU	<i>Ankur</i>	<i>Ankur</i>	<i>Ankur</i>
20	ANGSHUMAN DEV SHARMA	GEN UR	M	AEC	<i>Angshuman</i>	<i>Angshuman</i>	<i>Angshuman</i>
21	Kankan Sharma Das	UR	M	AEC	<i>Kankan</i>	<i>Kankan</i>	<i>Kankan</i>
22	Pallab Ka Bora	OBC	M	AEC	<i>Pallab</i>	<i>Pallab</i>	<i>Pallab</i>
23	Hemajni Deka	UR	F	ASTU	<i>Hemajni</i>	<i>Hemajni</i>	<i>Hemajni</i>
24	Karabi Das	ST	F	ASTU	<i>Karabi</i>	<i>Karabi</i>	<i>Karabi</i>
25	Nishant Bhavali	GEN	M	ASTU	<i>Nishant</i>	<i>Nishant</i>	<i>Nishant</i>
26	Ashish Agarwal	GEN	M	AEC	<i>Ashish</i>	<i>Ashish</i>	<i>Ashish</i>
27	Simranjyoti Kalita	GEN	M	AEC	<i>Simranjyoti</i>	<i>Simranjyoti</i>	<i>Simranjyoti</i>
28	Hippuraj Medha	GEN	M	AEC	<i>Hippuraj</i>	<i>Hippuraj</i>	<i>Hippuraj</i>
29	Dhruv Kishor	ASTU	M	ASTU	<i>Dhruv</i>	<i>Dhruv</i>	<i>Dhruv</i>
30	Tapan Rajbanshi	OBC	M	ASTU	<i>Tapan</i>	<i>Tapan</i>	<i>Tapan</i>
31	Sanghita Datta	OBC	F	ASTU	<i>Sanghita</i>	<i>Sanghita</i>	<i>Sanghita</i>
32	P. Bora		M	ASTU	<i>P. Bora</i>	<i>P. Bora</i>	<i>P. Bora</i>



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35	Tapashi Kalita	UR	F	ASTU	TKalita	TKalita	TKalita
39	M. Bimal		M.	ASTU	M. Bimal	M. Bimal	M. Bimal
36	Manash Pratim Lahkar	UR	M	A.E.C	MLahkar	MLahkar	MLahkar
36	Registrar		M	ASTU			
37	V.C, ASTU		M	ASTU			
38	Academic Registrar		M	ASTU			
39	Sweeper		F	ASTU			
40	BASANTA BARMAN		M	ASTU			
41	SANDIP DAS	SC	M	AEC	Sandip Das	Sandip Das	Sandip Das
42	KANDARPA DAS	UR	M	ASTU	Kandarpa Das	Kandarpa Das	Kandarpa Das
43	PABAN JYOTI BORAH	UR	M	AEC	Paban Jy. Borah	Paban Jy. Borah	Paban Jy. Borah
44	Angshuman Rajkhowa	OBC	M	ASTU	Angshuman Rajkhowa	Angshuman Rajkhowa	Angshuman Rajkhowa
45	Mahoranan Bhattacharjee	GEN	M	ASTU	Mahoranan Bhattacharjee	Mahoranan Bhattacharjee	Mahoranan Bhattacharjee
46	Nabijit Ben Chandhury	GEN	M	ASTU	Nabijit Ben Chandhury	Nabijit Ben Chandhury	Nabijit Ben Chandhury
47	JANAHAR SAHU			ASTU	JANAHAR SAHU	JANAHAR SAHU	JANAHAR SAHU
48	SIDDWARTH			ASTU	SIDDWARTH	SIDDWARTH	SIDDWARTH
49	BHARAT KAKOTY	GEN	M	ASTU	BHARAT KAKOTY	BHARAT KAKOTY	BHARAT KAKOTY

Pictures from the event



