



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024, Odisha, India.

[AFFILIATED TO BPUT, ODISHA]

www.coeb.ac.in

DEPARTMENT OF MECHANICAL ENGINEERING

ADD-ON COURSE : Introduction to 3D Printing

[Programme: B.Tech, Mechanical Engg.]

Semester: 7th

Course Objectives:

- To know the fundamental of various 3D Printing Techniques for application to various industrial needs.
- To know how to convert part file into STL format
- To understand the method of manufacturing of liquid based, powder based and solid based techniques.

SYLLABUS

Total Lecture Hours: 40

MODULE 1:

(12 hours)

Introduction to Design, Prototyping fundamentals. Introduction to 3D printing, its historical development, advantages. Commonly used terms, process chain, 3D modelling, Data Conversion, and transmission, Checking and preparing Building, Post processing, RP data formats, Classification of 3D printing process, Applications to various fields

MODULE 2:

(12 hours)

Stereo lithography apparatus (SLA): Models and specifications, process, working principle, Photo polymers, photo polymerization, layering technology, laser and laser scanning, applications, advantages and disadvantages, case studies. Solid ground curing (SGC): Models and specifications, process, working principle, applications, advantages and disadvantages, case studies.

MODULE 3:

(16 hours)

Laminated object manufacturing (LOM): Models and specifications, Process, Working principle, Applications, Advantages and disadvantages, Case studies. Fused Deposition Modeling (FDM): Models and specifications, Process, Working principle, Applications, Advantages and disadvantages, Case studies, practical demonstration

Course Outcomes: After completion of course the students will be able to:

- CO1: Understand the background and the nature 3D printing.
- CO2: Use of tware tools for 3D printing
- CO3: Prepare 3D printed modules
- CO4: Construct products using LOM and FDM technologies

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Text Books:

1. Chua C.K., Leong K.F. and LIM C.S. Rapid prototyping: Principles and Applications, World Scientific publications, 3rd Ed., 2010
2. D.T. Pham and S.S. Dimov, "Rapid Manufacturing", Springer, 2001

Reference Textbook:

1. Terry Wohlers, "Wohlers Report 2000", Wohlers Associates, 2000
2. Paul F. Jacobs, "Rapid Prototyping and Manufacturing", ASME Press, 1996
3. Ian Gibson, Davin Rosen, Brent Stucker "Additive Manufacturing technologies", Springer, 2nd Ed, 2014.

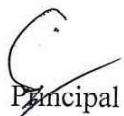
Online resources:

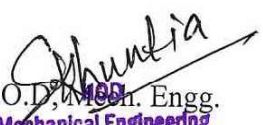
<https://futureskillsprime.in/course/introduction-3d-printing-cad-modeling>

Evaluation Criteria

- Mandatory attendance of 75% for each student.
- Conduction of two internal assessments and students have to secure 50% marks in each assessment.
- Certificates will be awarded to each student fulfilling the above criteria.

Designed & developed by: Dr. Shanta Mohapatra and Prof. Mr. Jagannath Mohapatra


Principal
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College of Engineering Bhubaneswar


H.O.D., M. Tech. Engg.
Mechanical Engineering
College of Engineering Bhubaneswar


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Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024, Odisha, India.

NOTICE

Department of Mechanical Engineering
Add On Course 2022-2023

Ref No: COEB/ME/2022/19

Date: 01.10.2022

It is hereby informed to all the students that the Department of Automobile Engineering is going to start the following Add-on courses for Academic year 2022-2023. All the students are instructed to enroll their names for the following courses on or before **15.10.2022**. The classes will be commenced from **17/10/2022** during 5.30pm to 7.30pm. You can contact the following course co-ordinators for enrolment and any queries.

Sl No.	Name of Add-on Course	Sem	Duration in hours	Name of the course co-ordinators
1	Designing Components Using Solid Works	3 rd	40	Prof. Pilli Kumari Sahoo
2	Nano Technology	5 th	40	Prof (Dr.) Shanta Mohapatra
3	Introduction to 3D Printing	7 th	40	Prof. Asis Kumar Nayak

Shanta Mohapatra
HOD
Mechanical Engineering Department
College of Engineering Bhubaneswar

Copy to:

1. Vice Chairman
2. Executive Director
3. Principal
4. All Notice Board.
5. A.O(Admin)
6. All HODs
7. Hostel, Security

A. B. Singh
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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MECHANICAL ENGINEERING
ADD ON/CERTIFICATE COURSE
STUDENT ENROLLMENT SHEET

Programme: B Tech in MECHANICAL ENGINEERING	Academic Year : 2022-23	
Semester: 7 th	Course Code (if any):	Course Duration: 40 hours
Name of the Course: Introduction to 3D Printing	Sheet No:	

I do hereby undertake to participate in the above mentioned add on course.

Sl No.	Reg. No.	Name of the Students	Signature
1	1901219145	AMBIKA PRASAD BARIK	Ambika Prasad Barik
2	1901219146	AMRIT KUMAR KAR	Amrit Ku. Kar
3	1901219147	ARJEET MAJHEE	Anjeeti Majhee
4	1901219148	BIBEKANANDA JENA	Bibekananda Jena
5	1901219149	BISHNU PRASAD MOHANTA	Bishnu Prasad Mohanta
6	1901219150	DEEPAN KUMAR BISWAL	Deepan Kumar Biswal
7	1901219151	KHAGESWAR MALIK	Khageswar Malik
8	1901219152	LIPU PRADHAN	Lipu Pradhan
9	1901219153	PRABHU SANKAR SINGH	P. S. Singh
10	1901219154	SHYAM SUNDAR BHOI	Shyam Sundar Bhoi
11	1901219155	SUVAM ASHIRBAD	Suvam Ashirbad
12	1901219262	ABHIJIT SETHY	Abhijit Sethy
13	1901219263	ABHISHEK BEHERA	Abhishek Behera
14	1901219264	ABHISHEK KASHYAP	Abhishek Kashyap
15	1901219265	ABINASH PAHADASINGH	A. Pahada Singh
16	1901219266	ARSHAD MOHANTY	Arshad Mohanty
17	1901219267	AYUSH PARIDA	Ayush Parida
18	1901219268	BIDYABHUSAN KHATUA	B. B. Khatua
19	1901219269	BISHAL ROUT	Bishal Rout
20	1901219270	CHANDAN KUMAR	Chandan Kumar
21	1901219271	DEBABRATA MISHRA	Debabrata Mishra
22	1901219272	DEBASIS MOHANTY	Debasis Mohanty
23	1901219273	DEBASISH SAHU	Debasish Sahu
24	1901219274	DIBYAJYOTI PALAI	Dibyajyoti Palai
25	1901219275	FARHAN ALAM	Farhan Alam
26	1901219276	GOBINDA PRASAD	Govinda Prasad
27	1901219277	HEMANTA KUMAR	Hemanta Kumar
28	1901219278	KALIPRASAD SATAPATHY	Kaliprasad Satapathy
29	1901219279	MANOJ KUMAR KHADANGA	Manoj Ku. Khadanga
30	1901219280	MANOJ KUMAR MALICK	Manoj Ku. Mallik



A. Bhuje

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I do hereby undertake to participate in the above mentioned add on course.

Sl No.	Reg. No.	Name of the Students	Signature
31	1901219281	MD. ZAID	Md. zaid
32	1901219282	PITABAS BEHERA	Pitabas Behera
33	1901219283	PRATYUSH KUMAR DHAL	Pratyush Ku. Dhal
34	1901219284	PRIYA KUMARI SINGH	Priya Kumari Singh
35	1901219285	RAHUL KUMAR DIAN	Rahul Ku. Dian
36	1901219286	RAJAT DIXIT	Rajat Dixit
37	1901219287	RAJIB KUMAR NANDI	Rajib kw. Nandi
38	1901219288	RAJIB KUMAR RAY	Rajib Kumar Ray
39	1901219289	RAKESH RANJAN	Rakesh Ranjan
40	1901219290	SAUDAMINI BEHERA	Saudamini Behera
41	1901219291	SAYED MOHAMMAD	Sayed Mohammad
42	1901219292	SHIBASHANKAR BIRUA	Shibashankar Birua
43	1901219293	SUBHAM KUMAR JENA	Subham Jena
44	1901219294	SUBHRANSU SINGH	Subhransu Singh
45	1901219295	SUBRAT KUMAR GOPAL	Subrat Ku. Gopal
46	1901219296	SURENDRA SAW	Surendra Saw



A. Bhuiya

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ADD ON/CERTIFICATE COURSE
STUDENT ATTENDANCE SHEET

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Programme: B Tech in MECHANICAL ENGINEERING		Semester: 7 th		Academic Year : 2022-23		Course Code (if any):		Sheet No:	
Name of the Course: Introduction to 3d Printing		Date	Date	Date	Date	Date	Date	Date	Date
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date	Date	Date
1	1901219145	AMBIKA PRASAD BARIK	17/10/22	18/10/22	19/10/22	20/10/22	21/10/22	22/10/22	23/10/22
2	1901219146	AMRIT KUMAR KAR	Abs	Ambika Prasad Barik	Amrit Kumar Kar	Arjeet Majhee	Bibekanda Jena	Bishnu Prasad Mohanta	Deepan Biswal
3	1901219147	ARJEET MAJHEE	Amrit K. Kar	Arjeet Majhee	Arjeet Majhee	Bibekanda Jena	Bishnu Prasad Mohanta	Deepan Biswal	Deepan Biswal
4	1901219148	BIBEKANANDA JENA	Arjeet Majhee	Bibekanda Jena	Bibekanda Jena	Bishnu Prasad Mohanta	Deepan Biswal	Deepan Biswal	Deepan Biswal
5	1901219149	BISHNU PRASAD MOHANTA	Bibekanda Jena	Bishnu Prasad Mohanta	Bishnu Prasad Mohanta	Deepan Biswal	Deepan Biswal	Deepan Biswal	Deepan Biswal
6	1901219150	DEEPAN KUMAR BISWAL	Bishnu Prasad Mohanta	Deepan Biswal	Deepan Biswal	Deepan Biswal	Deepan Biswal	Deepan Biswal	Deepan Biswal
7	1901219151	KHAGESWAR MALIK	Abs	Khageswar Malik	Khageswar Malik	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan
8	1901219152	LIPU PRADHAN	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan
9	1901219153	PRABHU SANKAR SINGH	P.S. Singh	P.S. Singh	P.S. Singh	P.S. Singh	P.S. Singh	P.S. Singh	P.S. Singh
10	1901219154	SHYAM SUNDAR BHOI	Shyam Sundar Bhoi	Shyam Sundar Bhoi	Shyam Sundar Bhoi	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad
11	1901219155	SUVAM ASHIRBAD	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad
12	1901219262	ABHIJIT SETHY	Abs	Abhijit Sathy	Abhijit Sathy	Abhishek Behera	Abhishek Behera	Abhishek Behera	Abhishek Behera
13	1901219263	ABHISHEK BEHERA	Abhishek Behera	Abhishek Behera	Abhishek Behera	Abhishek Behera	Abhishek Behera	Abhishek Behera	Abhishek Behera
14	1901219264	ABHISHEK KASHYAP	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap
15	1901219265	ABINASH PAHADASINGH	A. Pahadasingh	A. Pahadasingh	A. Pahadasingh	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty
16	1901219266	ARSHAD MOHANTY	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty
17	1901219267	AYUSH PARIDA	Ayush Parida	Ayush Parida	Ayush Parida	Ayush Parida	Ayush Parida	Ayush Parida	Ayush Parida
18	1901219268	BIDYABHUSAN KHATUA	B. Khatur	B. Khatur	B. Khatur	B. Khatur	B. Khatur	B. Khatur	B. Khatur
19	1901219269	BISHAL ROUT	Bishal Rout	Bishal Rout	Bishal Rout	Bishal Rout	Bishal Rout	Bishal Rout	Bishal Rout
20	1901219270	CHANDAN KUMAR	Chandan Kumar	Chandan Kumar	Chandan Kumar	Chandrabrata Mishra	Chandrabrata Mishra	Chandrabrata Mishra	Chandrabrata Mishra
21	1901219271	DEBABRATA MISHRA	Debabrata Mishra	Debabrata Mishra	Debabrata Mishra	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty
22	1901219272	DEBASIS MOHANTY	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty
23	1901219273	DEBASISH SAHU	Debasish Sahu	Debasish Sahu	Debasish Sahu	Debasish Sahu	Debasish Sahu	Debasish Sahu	Debasish Sahu
24	1901219274	DIBYAJYOTI PALAI	D. Palai	D. Palai	D. Palai	D. Palai	D. Palai	D. Palai	D. Palai
25	1901219275	FARHAN ALAM	Abs	Farhan Alam	Farhan Alam	Farhan Alam	Farhan Alam	Farhan Alam	Farhan Alam
26	1901219276	GOBINDA PRASAD	Govinda Prasad	Govinda Prasad	Govinda Prasad	Govinda Prasad	Govinda Prasad	Govinda Prasad	Govinda Prasad
27	1901219277	HEMANTA KUMAR	Hemanta Kumar	Hemanta Kumar	Hemanta Kumar	Hemanta Kumar	Hemanta Kumar	Hemanta Kumar	Hemanta Kumar





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STUDENT ATTENDANCE SHEET

Programme: B Tech in MECHANICAL ENGINEERING		Semester: 7 th		Academic Year : 2022-23		Course Code (if any):		Sheet No:	
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date	Date	Date
28	1901219278	KALIPRASAD SATAPATHY							
29	1901219279	MANOJ KUMAR KHADANGA	Kali Prasad Satapathy						
30	1901219280	MANOJ KUMAR MALICK	Manoj Kumar Khadanga						
31	1901219281	MD. ZAID	Manoj Ku. Mallick						
32	1901219282	PITABAS BEHERA	MD. ZAID						
33	1901219283	PRATYUSH KUMAR DHAL	Pitabas Behera						
34	1901219284	PRIYA KUMARI SINGH	Pratyush Dhal						
35	1901219285	RAHUL KUMAR DIAN	Priya Kumari Singh						
36	1901219286	RAJAT DIXIT	Rahul Ku. Dian						
37	1901219287	RAJIB KUMAR NANDI	Rajat Dixit						
38	1901219288	RAJIB KUMAR RAY	Rajib Ku. Nandi						
39	1901219289	RAKESH RANJAN	Rajib Kumar Ray						
40	1901219290	SAUDAMINI BEHERA	Rakesh Ranjan						
41	1901219291	SAYED MOHAMMAD	Saudamini Behera						
42	1901219292	SHIBASHANKAR BIRUA	Sayed Mohammad						
43	1901219293	SUBHAM KUMAR JENA	S. B. Jena						
44	1901219294	SUBHRANSU SINGH	Subham Jena						
45	1901219295	SUBRAT KUMAR GOPAL	S. Singh						
46	1901219296	SURENDRA SAW	Subrat Ku. Gopal						



(Signature)

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Semester: 7th

Academic Year : 2022-23

Course Code (if any):

Sheet No:

2

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Sl No.	Reg. No.	Name of the Students	Date	Date	Sheet No:
1	1901219145	AMBIKA PRASAD BARIK	26/10/22	27/10/22	28/10/22
2	1901219146	AMRIT KUMAR KAR	Amrita Prasad Barik	Amrita Prasad Barik	Amrita Prasad Barik
3	1901219147	ARJEET MAJHEE	Amrit Mr. Kar	Amrit Mr. Kar	Amrit Mr. Kar
4	1901219148	BIBEKANANDA JENA	Arjeet Majhe	Arjeet Majhe	Arjeet Majhe
5	1901219149	BISHNU PRASAD MOHANTA	Bibekanda Jena	Bibekanda Jena	Bibekanda Jena
6	1901219150	DEEPAN KUMAR BISWAL	Bishnu Prasad Mohanta	Bishnu Prasad Mohanta	Bishnu Prasad Mohanta
7	1901219151	KHAGESWAR MALIK	Deepan Biswal	Deepan Biswal	Deepan Biswal
8	1901219152	LIPU PRADHAN	Khageswar Malik	Khageswar Malik	Khageswar Malik
9	1901219153	PRABHU SANKAR SINGH	Abs	Lipu Pradhan	Lipu Pradhan
10	1901219154	SHYAM SUNDAR BHOI	P.S SINGH	P.S SINGH	Abs
11	1901219155	SUVAM ASHIRBAD	Shyam Sundar Bhoi	Shyam Sundar Bhoi	Shyam Sundar Bhoi
12	1901219262	ABHIJIT SETHY	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad
13	1901219263	ABHISHEK BEHERA	Abhijit Sathy	Abhijit Sathy	Abhijit Sathy
14	1901219264	ABHISHEK KASHYAP	Abhishek Behera	Abhishek Behera	Abhishek Behera
15	1901219265	ABINASH PAHADASINGH	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap
16	1901219266	ARSHAD MOHANTY	A. Pahada Singh	A. Pahada Singh	A. Pahada Singh
17	1901219267	AYUSH PARIDA	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty
18	1901219268	BIDYABHUSAN KHATUA	Ayush Parida	Ayush Parida	Ayush Parida
19	1901219269	BISHAL ROU	B. Khatua	B. Khatua	B. Khatua
20	1901219270	CHANDAN KUMAR	Bishal Rout	Bishal Rout	Bishal Rout
21	1901219271	DEBABRATA MISHRA	Chandan Kumar	Chandan Kumar	Chandan Kumar
22	1901219272	DEBASIS MOHANTY	Debabrata Mishra	Debabrata Mishra	Debabrata Mishra
23	1901219273	DEBASISH SAHU	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty
24	1901219274	DIBYAJYOTI PALAI	Debasish Sahu	Debasish Sahu	Debasish Sahu
25	1901219275	FARHAN ALAM	Abs	D. Palai	D. Palai
26	1901219276	GOBINDA PRASAD	Farhan Alam	Farhan Alam	Farhan Alam
27	1901219277	HEMANTA KUMAR	GoBINDA Prasad	GoBINDA Prasad	Abs
			Hemanta Kumar	Hemanta Kumar	Abs





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29	1901219279	MANOJ KUMAR KHADANGA	Manoj Ku. Khadanga	Abs					
30	1901219280	MANOJ KUMAR MALICK	Manoj Ku. Mallick	Abs					
31	1901219281	MD. ZAID	MD. Zaid	Abs					
32	1901219282	PITABAS BEHERA	Pitabas Behena	Abs					
33	1901219283	PRATYUSH KUMAR DHAL	Pratyush Dhal	Abs					
34	1901219284	PRIYA KUMARI SINGH	Priya Kumari Singh	Abs					
35	1901219285	RAHUL KUMAR DIAN	Rahul Ku. Dian	Abs					
36	1901219286	RAJAT DIXIT	Rajat Dixit	Abs					
37	1901219287	RAJIB KUMAR NANDI	Rajib Ku. Nandi	Abs					
38	1901219288	RAJIB KUMAR RAY	Rajib Kumar Ray	Abs					
39	1901219289	RAKESH RANJAN	Rakesh Ranjan	Abs					
40	1901219290	SAUDAMINI BEHERA	Saudamini Behera	Abs					
41	1901219291	SAYED MOHAMMAD	Sayed Mohammad	Abs					
42	1901219292	SHIBASHANKAR BIRUA	S. Birua	Abs					
43	1901219293	SUBHAM KUMAR JENA	Subham Jena	Abs					
44	1901219294	SUBHRANSU SINGH	S. Singh	Abs					
45	1901219295	SUBRAT KUMAR GOPAL	Subrat Ku. Gopal	Abs					
46	1901219296	SURENDRA SAW	Surenra Saw	Abs					

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Semester: 7th Academic Year : 2022-23

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Sl No.	Reg. No.	Name of the Students	Date	Date	Date
1	1901219145	AMBIKA PRASAD BARIK	01/11/22	02/11/22	03/11/22
2	1901219146	AMRIT KUMAR KAR	Ambika Prasad Barik	Amrita Kumar Kar	Amrit Kumar Kar
3	1901219147	ARJEET MAJHEE	Amrit Kumar Kar	Abs	Amrit Kumar Kar
4	1901219148	BIBEKANANDA JENA	Arjeet Majhee	Arjeet Majhee	Arjeet Majhee
5	1901219149	BISHNU PRASAD MOHANTA	Bibekanda Jena	Bibekanda Jena	Bibekanda Jena
6	1901219150	DEEPAN KUMAR BISWAL	Bishnu Prasad Mohanta	Bishnu Prasad Mohanta	Bishnu Prasad Mohanta
7	1901219151	KHAGESWAR MALIK	Deepan Biswal	Deepan Biswal	Deepan Biswal
8	1901219152	LIPU PRADHAN	Khageswar Malik	Khageswar Malik	Khageswar Malik
9	1901219153	PRABHU SANKAR SINGH	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan
10	1901219154	SHYAM SUNDAR BHOI	P.S. Singh	P.S. Singh	P.S. Singh
11	1901219155	SUVAM ASHIRBAD	Abs	Shyam Sundar Bhoi	Shyam Sundar Bhoi
12	1901219262	ABHIJIT SETHY	Suvam Ashirbad	Suvam Ashirbad	Suvam Ashirbad
13	1901219263	ABHISHEK BEHERA	Abhijit Sathy	Abhijit Sathy	Abhijit Sathy
14	1901219264	ABHISHEK KASHYAP	Abhishek Behera	Abhishek Behera	Abhishek Behera
15	1901219265	ABINASH PAHADASINGH	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap
16	1901219266	ARSHAD MOHANTY	Abs	A-pahadasingh	Abs
17	1901219267	AYUSH PARIDA	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty
18	1901219268	BIDYABHUSAN KHATUA	Ayush Pandit	Ayush Pandit	Ayush Pandit
19	1901219269	BISHAL ROUT	B. Khatua	B. Khatua	B. Khatua
20	1901219270	CHANDAN KUMAR	Bishal Rout	Bishal Rout	Bishal Rout
21	1901219271	DEBABRATA MISHRA	Chandan Kumar	Chandan Kumar	Chandan Kumar
22	1901219272	DEBASIS MOHANTY	Debabrata Mishra	Debabrata Mishra	Debabrata Mishra
23	1901219273	DEBASIS SAHU	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty
24	1901219274	DIBYAJYOTI PALAI	Debasish Sahu	Debasish Sahu	Debasish Sahu
25	1901219275	FARHAN ALAM	D. Palai	D. Palai	D. Palai
26	1901219276	GOBINDA PRASAD	Farhan Alam	Farhan Alam	Farhan Alam
27	1901219277	HEMANTA KUMAR	Gobinda Prasad	Gobinda Prasad	Gobinda Prasad
			Hemanta Kumar	Hemanta Kumar	Hemanta Kumar





COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MECHANICAL ENGINEERING
ADD ON/CERTIFICATE COURSE
STUDENT ATTENDANCE SHEET

Programme: B Tech in MECHANICAL ENGINEERING		Semester: 7 th		Academic Year : 2022-23		Sheet No:	
Name of the Course: Introduction to 3d Printing				Course Code (if any):			
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date
28	1901219278	KALIPRASAD SATAPATHY	Fali Prasad Satapathy	Fali Prasad Satapathy	Fali Prasad Satapathy	Fali Prasad Satapathy	Fali Prasad Satapathy
29	1901219279	MANOJ KUMAR KHADANGA	Manoj Kumar Khadanga	Manoj Kumar Khadanga	Manoj Kumar Khadanga	Manoj Kumar Khadanga	Manoj Kumar Khadanga
30	1901219280	MANOJ KUMAR MALICK	Abs	Manoj Kumar Malick	Manoj Kumar Malick	Manoj Kumar Malick	Manoj Kumar Malick
31	1901219281	MD. ZAID	Md. Zaid	Md. Zaid	Md. Zaid	Md. Zaid	Md. Zaid
32	1901219282	PITABAS BEHERA	Pitabas Behera	Pitabas Behera	Pitabas Behera	Pitabas Behera	Pitabas Behera
33	1901219283	PRATYUSH KUMAR DHAL	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal
34	1901219284	PRIYA KUMARI SINGH	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh
35	1901219285	RAHUL KUMAR DIAN	Rahul Kumar Dian	Rahul Kumar Dian	Rahul Kumar Dian	Rahul Kumar Dian	Rahul Kumar Dian
36	1901219286	RAJAT DIXIT	Rajat Dixit	Rajat Dixit	Rajat Dixit	Rajat Dixit	Rajat Dixit
37	1901219287	RAJIB KUMAR NANDI	Rajib Kumar Nandi	Rajib Kumar Nandi	Rajib Kumar Nandi	Rajib Kumar Nandi	Rajib Kumar Nandi
38	1901219288	RAJIB KUMAR RAY	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray
39	1901219289	RAKESH RANJAN	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan
40	1901219290	SAUDAMINI BEHERA	Saudamini Behera	Saudamini Behera	Saudamini Behera	Saudamini Behera	Saudamini Behera
41	1901219291	SAYED MOHAMMAD	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad
42	1901219292	SHIBASHANKAR BIRUA	Abs	S. Birua	S. Birua	S. Birua	S. Birua
43	1901219293	SUBHAM KUMAR JENA	Subham Jena	Subham Jena	Subham Jena	Subham Jena	Subham Jena
44	1901219294	SUBHRANSU SINGH	S. Singh	S. Singh	S. Singh	S. Singh	S. Singh
45	1901219295	SUBRAT KUMAR GOPAL	Subrat Kumar Gopal	Subrat Kumar Gopal	Subrat Kumar Gopal	Subrat Kumar Gopal	Subrat Kumar Gopal
46	1901219296	SURENDRA SAW	Surendra Saw	Surendra Saw	Surendra Saw	Surendra Saw	Surendra Saw

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MECHANICAL ENGINEERING
ADD ON/CERTIFICATE COURSE
STUDENT ATTENDANCE SHEET

Programme: B Tech in MECHANICAL ENGINEERING

Semester: 7th

Academic Year: 2022-23

Name of the Course: Introduction to 3d Printing		Course Code (if any):		Sheet No:	
Sl No.	Reg. No.	Name of the Students	Date	Date	Date
28	1901219278	KALIPRASAD SATAPATHY			
29	1901219279	MANOJ KUMAR KHADANGA	Kali Prasad Satapathy	Kali Prasad Satapathy	Kali Prasad Satapathy
30	1901219280	MANOJ KUMAR MALICK	Manoj Ku. Khadanga	Manoj Ku. Khadanga	Manoj Ku. Khadanga
31	1901219281	MD. ZAID	Manoj Ku. Malik	Manoj Ku. Malik	Manoj Ku. Malik
32	1901219282	PITABAS BEHERA	MD. Zaid	MD. Zaid	MD. Zaid
33	1901219283	PRATYUSH KUMAR DHAL	Pitabas Behera	Pitabas Behera	Pitabas Behera
34	1901219284	PRIYA KUMARI SINGH	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal
35	1901219285	RAHUL KUMAR DIAN	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh
36	1901219286	RAJAT DIXIT	Rahul Ku. Dian	Rahul Ku. Dian	Rahul Ku. Dian
37	1901219287	RAJIB KUMAR NANDI	Rajat Dixit	Rajat Dixit	Rajat Dixit
38	1901219288	RAJIB KUMAR RAY	Rajib Ku. Nandi	Rajib Ku. Nandi	Rajib Ku. Nandi
39	1901219289	RAKESH RANJAN	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray
40	1901219290	SAUDAMINI BEHERA	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan
41	1901219291	SAYED MOHAMMAD	Saudamini Behera	Saudamini Behera	Saudamini Behera
42	1901219292	SHIBASHANKAR BIRUA	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad
43	1901219293	SUBHAM KUMAR JENA	S. Birua	S. Birua	S. Birua
44	1901219294	SUBHRANSU SINGH	Subham Jena	Subham Jena	Subham Jena
45	1901219295	SUBRAT KUMAR GOPAL	S. Singh	S. Singh	S. Singh
46	1901219296	SURENDRA SAW	Subrat Ku. Gopal	Subrat Ku. Gopal	Subrat Ku. Gopal
			Surenbra Saw	Surenbra Saw	Surenbra Saw

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J. B. Singh

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DEPARTMENT OF MECHANICAL ENGINEERING
ADD ON/CERTIFICATE COURSE
STUDENT ATTENDANCE SHEET



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Programme: B Tech in MECHANICAL ENGINEERING		Semester: 7 th		Academic Year : 2022-23		Course Code (if any):		Sheet No:	
Name of the Course: Introduction to 3d Printing		Reg. No.	Name of the Students	Date	Date	Date	Date	Date	Date
1	1901219145	AMBIKA PRASAD BARIK	15/11/22	18/11/22	21/11/22				
2	1901219146	AMRIT KUMAR KAR	Ambika Prasad Barik	Ambika Prasad Barik	Ambika Prasad Barik				
3	1901219147	ARJEET MAJHEE	Arjeet Mr. Kar	Arjeet Mr. Kar	Abs				
4	1901219148	BIBEKANANDA JENA	Arjeet Majhu	Arjeet Majha	Arjeet Majha				
5	1901219149	BISHNU PRASAD MOHANTA	Abs	Bibekanda Jena	Bibekanda Jena				
6	1901219150	DEEPAK KUMAR BISWAL	Bisnu Prasad Mohanta	Bisnu Prasad Mohanta	Bisnu Prasad Mohanta				
7	1901219151	KHAGESWAR MALIK	Deepak Biswal	Deepak Biswal	Deepak Biswal				
8	1901219152	LIPU PRADHAN	Khageswar Malik	Khageswar Malik	Khageswar Malik				
9	1901219153	PRABHU SANKAR SINGH	Lipu Pradhan	Lipu Pradhan	Lipu Pradhan				
10	1901219154	SHYAM SUNDAR BHOI	P.S. Singh	P.S. Singh	P.S. Singh				
11	1901219155	SUVAM ASHIRBAD	Shyam Sundar Bhoi	Abs	Shyam Sundar Bhoi				
12	1901219262	ABHIJIT SETHY	Abs	Subhanshu Ashirbad	Abs				
13	1901219263	ABHISHEK BEHERA	Abhijit Sethy	Abhijit Sethy	Abhijit Sethy				
14	1901219264	ABHISHEK KASHYAP	Abhishek Behera	Abhishek Behera	Abhishek Behera				
15	1901219265	ABINASH PAHADASINGH	Abhishek Kashyap	Abhishek Kashyap	Abhishek Kashyap				
16	1901219266	ARSHAD MOHANTY	A. Pahadasingh	A. Pahadasingh	A. Pahadasingh				
17	1901219267	AYUSH PARIDA	Arshad Mohanty	Arshad Mohanty	Arshad Mohanty				
18	1901219268	BIDYABHUSAN KHATUA	Ayush Parida	Ayush Parida	Ayush Parida				
19	1901219269	BISHAL ROU	B. Khatua	B. Khatua	B. Khatua				
20	1901219270	CHANDAN KUMAR	Bishal Rout	Bishal Rout	Bishal Rout				
21	1901219271	DEBABRATA MISHRA	Chandan Kumar	Chandan Kumar	Chandan Kumar				
22	1901219272	DEBASIS MOHANTY	Debabrata Mishra	Debabrata Mishra	Debabrata Mishra				
23	1901219273	DEBASISH SAHU	Debasish Mohanty	Debasish Mohanty	Debasish Mohanty				
24	1901219274	DIBYAJYOTI PALAI	Debasish Sahu	Abs	Debasish Sahu				
25	1901219275	FARHAN ALAM	D. Palai	D. Palai	D. Palai				
26	1901219276	GOBINDA PRASAD	Farhan Alam	Farhan Alam	Farhan Alam				
27	1901219277	HEMANTA KUMAR	Gobinda Prasad	Gobinda Prasad	Gobinda Prasad				



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MECHANICAL ENGINEERING
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Programme: B Tech in MECHANICAL ENGINEERING		Semester: 7 th		Academic Year : 2022-23		Course Code (if any):		Sheet No:	
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28	1901219278	KALIPRASAD SATAPATHY	Kal. Prasad Satapathy	Fal. Prasad Satapathy	Kal. Prasad Satapathy	Manoj Kumar Khadanga	Manoj Kumar Khadanga	Kal. Prasad Satapathy	Kal. Prasad Satapathy
29	1901219279	MANOJ KUMAR KHADANGA	Manoj Ku. Khadanga	Manoj Ku. Khadanga	Manoj Ku. Khadanga	Manoj Ku. Khadanga	Manoj Ku. Khadanga	Manoj Ku. Khadanga	Manoj Ku. Khadanga
30	1901219280	MANOJ KUMAR MALICK	Manoj Ku. Malick	Manoj Ku. Malick	Manoj Ku. Malick	Manoj Ku. Malick	Manoj Ku. Malick	Manoj Ku. Malick	Manoj Ku. Malick
31	1901219281	MD. ZAID	Md. Zaid	Md. Zaid	Md. Zaid	Md. Zaid	Md. Zaid	Md. Zaid	Md. Zaid
32	1901219282	PITABAS BEHERA	Abs	Pitabas Behera	Pitabas Behera	Pitabas Behera	Pitabas Behera	Pitabas Behera	Pitabas Behera
33	1901219283	PRATYUSH KUMAR DHAL	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal	Pratyush Dhal
34	1901219284	PRIYA KUMARI SINGH	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh	Priya Kumari Singh
35	1901219285	RAHUL KUMAR DIAN	Rahul Ku. Dian	Rahul Ku. Dian	Rahul Ku. Dian	Rahul Ku. Dian	Rahul Ku. Dian	Rahul Ku. Dian	Rahul Ku. Dian
36	1901219286	RAJAT DIXIT	Rajat Dixit	Rajat Dixit	Rajat Dixit	Rajat Dixit	Rajat Dixit	Rajat Dixit	Rajat Dixit
37	1901219287	RAJIB KUMAR NANDI	Rajib Ku. Nandi	Rajib Ku. Nandi	Rajib Ku. Nandi	Rajib Ku. Nandi	Rajib Ku. Nandi	Rajib Ku. Nandi	Rajib Ku. Nandi
38	1901219288	RAJIB KUMAR RAY	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray	Rajib Kumar Ray
39	1901219289	RAKESH RANJAN	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan	Rakesh Ranjan
40	1901219290	SAUDAMINI BEHERA	Saudamini Behera	Saudamini Behera	Saudamini Behera	Saudamini Behera	Saudamini Behera	Saudamini Behera	Saudamini Behera
41	1901219291	SAYED MOHAMMAD	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad	Sayed Mohammad
42	1901219292	SHIBASHANKAR BIRUA	S. B. Birua	S. B. Birua	S. B. Birua	S. B. Birua	S. B. Birua	S. B. Birua	S. B. Birua
43	1901219293	SUBHAM KUMAR JENA	Subham Jena	Subham Jena	Subham Jena	Subham Jena	Subham Jena	Subham Jena	Subham Jena
44	1901219294	SUBHRANSU SINGH	S. Singh	S. Singh	S. Singh	S. Singh	S. Singh	S. Singh	S. Singh
45	1901219295	SUBRAT KUMAR GOPAL	Subrat Ku. Gopal	Subrat Ku. Gopal	Subrat Ku. Gopal	Subrat Ku. Gopal	Subrat Ku. Gopal	Subrat Ku. Gopal	Subrat Ku. Gopal
46	1901219296	SURENDRA SAW	Surendra Saw	Surendra Saw	Surendra Saw	Surendra Saw	Surendra Saw	Surendra Saw	Surendra Saw



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COLLEGE OF ENGINEERING BHUBANESWAR
PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024



Certificate of Completion

This is to certify that Mr./Ms. RAJIB KUMAR RAY, student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1901219288

has successfully completed the ADD-ON Course titled Introduction to 3D Printing

conducted at College of Engineering Bhubaneswar in the academic year 2022-23

TRUE COPY

Course-Coordinator

Principal

PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR
 PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024



Certificate of Completion

This is to certify that Mr./Ms. RAKESH RANJAN ROUTARAY student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1901219289

has successfully completed the ADD-ON Course titled Introduction to 3D Printing

conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

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Course-Coordinator

Principal

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SWA



COLLEGE OF ENGINEERING BHUBANESWAR
PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024



Certificate of Completion

This is to certify that Mr./Ms. SAUDAMINI BEHERA, student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1901219290

has successfully completed the ADD-ON Course titled Introduction to 3D Printing

conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

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Course-Coordinator

Principal

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 PLOT NO.-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024



Certificate of Completion

This is to certify that Mr./Ms. SAYED MOHAMMAD ABDULLAH, student of the Department

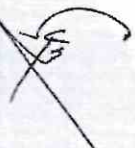
of Mechanical Engg. semester Seventh bearing registration number 1901219291

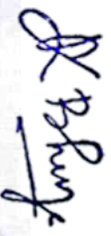
has successfully completed the ADD-ON Course titled Introduction to 3D Printing

conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

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 Course-Coordinator


 Principal


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COLLEGE OF ENGINEERING BHUBANESWAR
PLOT NO-1(A), CNI COMPLEX, PATIA, BHUBANESWAR, KHORDHA, ODISHA-751024



Certificate of Completion

This is to certify that Mr./Ms. SHIBASHANKAR BIRUA, student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1901219292

has successfully completed the ADD-ON Course titled Introduction to 3D Printing

conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

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Course-Coordinator

Principal

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