




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 : Smart Manufacturing for Industry 4.0

[Programme: B.Tech, Mechanical Engg.]
Semester: 5th


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Course Objectives:

- ❖ To impart basic idea in Industry 4.0.
- ❖ To provide students with good depth of knowledge of designing Industrial 4.0 Systems for various application.
- ❖ To create opportunity to expand their competitiveness further
- ❖ To understand the concept of future smart factories and the virtualization techniques and intelligent decision-making capabilities.

SYLLABUS

Total Lecture Hours: 40

MODULE 1:

(16 hours)

INDUSTRY 4.0: Concept, Globalization and emerging issues, The Fourth Revolution, LEAN manufacturing, Smart and connected business perspectives, Smart factories.
AUTOMATION: Programable Logic Controller (PLC) and its Programming software, Communication of different devices with PLC, Sensor, Smart Sensor, HMI design, Cyber Physical System – key components, ISA-95 architecture, CPS-5C architecture, Concept of Digit Twin

MODULE 2:

(16 hours)

COMMUNICATION: Protocols – MQTT, OPC UA, EtherNet/IP, Profinet, EtherCAT, etc; MQTT – History, MQTT broker, Message types, Quality of Service (QoS), Application; OPC UA – History, Specification, Client, Server, Programming with – Free and open-source software, Propriety software; Augmented Reality.
IoT Platform: Data Modelling, IoT platforms – Thing, basic functionalities, Abstract definition of Thing, Networks, etc; IoT Gateway, Machine interfaces – Cloud-based Mosquitto brokers, Programming with – Free and open-source software, Propriety software

MODULE 3:

(8 hours)

Machine Learning foundation: Learning algorithms – Supervised, Unsupervised, Self-learning, Feature learning, etc. Models – Artificial Neural Networks, Decision trees, Regression analysis.

Course Outcomes:

After completion of course the students will be able to:

- CO1: Introduce concept of Industry 4.0 for Smart Manufacturing.
- CO2: Understand use various hardware used in Smart Manufacturing.
- CO3: Understand need of various communication protocols, hardware and software.
- CO4: Understand cloud-computing IoT platform for Smart Manufacturing.
- CO5: Understand machine learning to make smart factories.

Text Book:

1. Christoph Jan Bartodziej, "The Concept Industry 4.0 – An Empirical Analysis of Technologies and Application in Production Logistics", Springer Gabler, 2015
2. Industry 4.0: Managing The Digital Transformation- Alp Ustundag , Emre Cevikcan, Springer
3. Daniel Minoli, "Building the Internet of Things with IPv6 and MIPv6: The Evolving World of M2M Communications", ISBN: 978-1-118-47347-4, Willy Publications.

Reference Book:

1. Alasdair Gilchrist, "Industry 4.0 – The Industrial Internet of Thigs", Springer Link, 2016


Online resources:

1. <https://www.sciencedirect.com/science/article/pii/S2351978918300672>
2. <https://www.sciencedirect.com/science/article/pii/S221282711630854X>
3. <https://www.sciencedirect.com/science/article/pii/S2212827114000857>

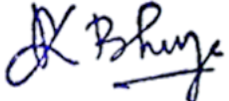
Evaluation Criteria

- 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 students fulfilling the above criteria.

Designed & developed by: Prof (Dr.) Sujit Kumar Khuntia & Prof. Jagannath Mohapatra


Principal
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H.O.D. Mech. Engg
HOB
Mechanical Engineering
College of Engineering Bhubaneswar


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COLLEGE OF ENGINEERING BHUBANESWAR

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

NOTICE

Department of Mechanical Engineering
Add On Course 2019-2020

Ref No: COEB/ME/2019/15

Date: 03.07.2019


It is hereby informed to all the students that the Department of Mechanical Engineering is going to start the following Add-on courses for Academic year 2019-2020. All the students are instructed to enrol their names for the following courses on or before 23.07.2019. The classes will be conducted from 13/08/2019 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	Advanced Welding Techniques	3 rd	40	Prof (Dr.) Subhakanta Nayak
2	Smart Manufacturing for Industry 4.0	5 th	40	Prof (Dr.) S. D. Mohanty
3	Boiler Safety	7 th	40	Prof. Tapas Kumar Chand

Copy to:

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


HOD
Mechanical Engineering Department
College of Engineering Bhubaneswar


HOD
Mechanical Engineering Department
College of Engineering Bhubaneswar


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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 : 2019-20	
Semester: 5 th	Course Code (if any):	Course Duration: 40 hours
Name of the Course: Smart Manufacturing for Industry 4.0		

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

Sl No.	Reg. No.	Name of the Students	Signature
1	1701219001	ASHISH KUMAR MAJHI	Ashish K. Majhi
2	1701219004	BARADA PRASAD ACHARYA	Barada Prasad Acharya
3	1701219009	ASISH KUMAR RANA	Ashish Kumar Rana
4	1701219011	SUDIPTA SUNDAR NAYAK	Sudipta Sundar Nayak
5	1701219016	ABHAYARAJ PATRA	Abhagaraj Patra
6	1701219021	AMAN SHARMA	Aman Sharma
7	1701219024	SATYABRATA SAHOO	S. Sahoo
8	1701219025	BISWAJIT PATRA	Biswajit patra
9	1701219026	RAGHUNATH TUDU	R. Tudu
10	1701219035	RAJDEEP SENAPATI	Rajdeep Senapati
11	1701219039	SANJEEV KUMAR	Sanjeev Kumar
12	1701219040	BISWAJIT PANDA	Biswajit Panda
13	1701219045	JAGAMOHAN BAGE	Jagamohan Bage
14	1701219057	RAMCHANDRA TUDU	Ramachandra Tudu
15	1701219061	SANJAY KUMAR MAHANTA	Sanjay Kumar Mahanta
16	1701219068	SAMIR RANJAN NAIK	Samir Ranjan Naik
17	1701219074	SURAJ KUMAR BISWAL	Suraj Ku. Biswal
18	1701219084	KESHAV KUMAR	Keshav Kumar
19	1701219086	NITISH KUMAR BEHERA	Nitish Kumar Behera
20	1701219092	AMLANA LENKA	Amlana Lenka
21	1701219093	ANSHUMAN SETHY	Anshuman Sethy
22	1701219096	SHUBHAM	Shubham
23	1701219100	SRIKANTA HARIJAN	Srikanta Harijan
24	1701219176	RANJAN KUMAR DAS	Ranjan Kumar Das
25	1701219179	AMEET KUMAR SINGH	Ameet Kumar Singh
26	1701219180	ANUJ KUMAR BISWAL	Anuj Kumar Biswal
27	1701219181	ASISH DAS	Ashish Das
28	1701219182	BARAT SABAR	Barat Sabar
29	1701219183	BHESAJA KUMAR PRADHAN	B. K. Pradhan
30	1701219184	BISWAJIT RAY	Biswajit ray



A. Bhuj

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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 : 2019-20

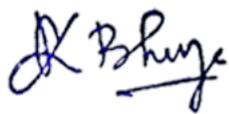
Semester: 5th Course Code (if any): Course Duration: 40 hours

Name of the Course: Smart Manufacturing for Industry 4.0

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

Sl No.	Reg. No.	Name of the Students	Signature
31	1701219185	DEEPAK KUMAR DEO	D.k. Deo
32	1701219186	GYANA RANJAN SAMAL	Gyana Ranjan Samal
33	1701219187	KAMESHWAR MAJHI	Kameshwar Majhi
34	1701219188	KAUSHAL KUMAR SINGH	Kaushal K. Singh
35	1701219189	LAKSHMAN BEHERA	Lakshman Behera
36	1701219190	MANISH TANDIYA	Manish Tandiya
37	1701219191	NISHIKANTA RATH	Nishikanta Rath
38	1701219192	RANJAN RASHMI PATRA	Ranjan Rashmi Patra
39	1701219193	SAMBIT HARICHANDAN	S. Harichandan
40	1701219194	SATYAJIT ROUT	Satyajit Rout
41	1701219195	SIDDHARTHA DEBNATH	Siddhartha Debnath
42	1701219196	SUBHAMSATYA NAYAK	S. Nayak
43	1701219197	SURAJ KUMAR KUNDA	Suraj Kunda
44	1701219289	SATYABRATA MOHAPATRA	Satyabrata Mohapatra
45	1701219290	HARIPADA SARKAR	Haripada Sarkar
46	1701219291	SATYA PRAKASH BARIK	Satyaprakash Barik
47	1701219292	MAHMOODUL HUSSAIN	M. Hussain
48	1701219293	AASAF KHAN	Aasaf Khan
49	1701219294	ANIL KUMAR SAMARTHA	Anil Kumar Samantha
50	1701219295	UMAKANTA JENA	Umakanta Jena
51	1701219296	JAGAN BEHERA	Jagan Behera
52	1701219297	LAKHAI TUDU	Lachai Tudu
53	1701219298	ABHIJIT DASH	Abhisat Dash
54	1701219299	RAM CHANDRA MALLICK	Ram chandra Mallick
55	1701219300	RAJAT KUMAR SAHOO	Rajat Kumar Sahoo
56	1701219301	JITENDRA BEHERA	Jitendra Behera
57	1701219302	RAJENDRA BISOYI	Rajendra Bisoyi
58	1701219303	AMIYA KUMAR SETHI	Amiya Kumar Sethi
59	1701219304	ALIP KUMAR NAYAK	Alip Kumar Nayak
60	1701219305	AMIT KUMAR SAHOO	Amit ku. Sahoo




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

Programme: B Tech in MECHANICAL ENGINEERING		Academic Year : 2019-20	
Semester: 5 th	Course Code (if any):	Course Duration: 40 hours	
Name of the Course: Smart Manufacturing for Industry 4.0			
I do hereby undertake to participate in the above mentioned add on course.			
Sl No.	Reg. No.	Name of the Students	Signature
61	1701219306	BISWAJIT MALLICK	Biswajit Mallik
62	1701219307	GENGRO PURTY	G. Purty
63	1701219308	JEEBANJYOTI DASH	Jeebanjyoti Dash
64	1701219309	JIBANJYOTI MOHANTY	J. Mohanty
65	1701219310	JITENDRA KUMAR	Jitendra Kumar
66	1701219311	KANHU BEHARA	Kanhu Behara
67	1701219312	KIRAN KUMAR KAMILA	Kiran Kumar Kamila
68	1701219313	KUBER MAJHI	Kuber Majhi
69	1701219314	MAMINA BEHERA	Mamina Behera
70	1701219315	RASMI RANJAN PANDA	Rasmi Ranjan Panda
71	1701219316	SIDHANATH SOREN	Sidhanath Soren
72	1701219317	SUBHRANSU STITAPRAGYAN	S. Stitapragyan
73	1701219318	SUBRAT KUMAR NAYAK	Subrat K. Nayak
74	1701219319	SUDHANSU SEKHAR SETHI	Sudhansu Sekhar Sethi
75	1701219320	SUNIL KUMAR SETHY	S.K. sethy
76	1701219321	SURAJ KUMAR BARAL	Suraj Baral




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

1

Programme: B Tech in MECHANICAL ENGINEERING

Semester: 5th

Academic Year : 2019-20

Name of the Course: Smart Manufacturing for Industry 4.0

Course Code (if any):

Sheet No:

Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date
1	1701219001	ASHISH KUMAR MAJHI	13/8/19	14/8/19	16/8/19	19/8/19
2	1701219004	BARADA PRASAD ACHARYA	Ashish K. Maim Barada Acharya	Ashish K. Maim Barada Acharya	Ashish K. Maim Barada Acharya	Barada Acharya Abs
3	1701219009	ASISH KUMAR RANA	Ashish Kumar Rana	Ashish Kumar Rana	Abs	Ashish Kumar Rana
4	1701219011	SUDIPTA SUNDAR NAYAK	S. Nayak	S. Nayak	S. Nayak	S. Nayak
5	1701219016	ABHAYARAJ PATRA	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abs
6	1701219021	AMAN SHARMA	Aman Sharma	Aman Sharma	Aman Sharma	Aman Sharma
7	1701219024	SATYABRATA SAHOO	S. Sahu	S. Sahu	S. Sahu	S. Sahu
8	1701219025	BISWAJIT PATRA	Biswajit Patra	Biswajit Patra	Biswajit Patra	Biswajit Patra
9	1701219026	RAGHUNATH TUDU	Abs	R Tudu	R. Tudu	R. Tudu
10	1701219035	RAJDEEP SENAPATI	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati
11	1701219039	SANJEEV KUMAR	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar
12	1701219040	BISWAJIT PANDA	Biswajit Panda	Biswajit Panda	Biswajit Panda	Biswajit Panda
13	1701219045	JAGAMOHAN BAGE	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage
14	1701219057	RAMCHANDRA TUDU	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Abs
15	1701219061	SANJAY KUMAR MAHANTA	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta
16	1701219068	SAMIR RANJAN NAIK	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Abs
17	1701219074	SURAJ KUMAR BISWAL	Suryaj Kumar Biswal	Suryaj Kumar Biswal	Suryaj Kumar Biswal	Suryaj Kumar Biswal
18	1701219084	KESHAV KUMAR	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar
19	1701219086	NITISH KUMAR BEHERA	Abs	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera
20	1701219092	ANILANA LENKA	Anilana Lenka	Anilana Lenka	Anilana Lenka	Anilana Lenka
21	1701219093	ANSHUMAN SETHY	Anshuman Sethy	Anshuman Sethy	Abs	Anshuman Sethy
22	1701219096	SHUBHAM	Shubham	Abs	Shubham	Shubham
23	1701219100	SRIKANTA HARIJAN	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan
24	1701219176	RANJAN KUMAR DAS	Rajan Das	Rajan Das	Rajan Das	Rajan Das
25	1701219179	AMEET KUMAR SINGH	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh
26	1701219180	ANUJ KUMAR BISWAL	Anuj K. Biswal	Anuj P. Biswal	Anuj K. Biswal	Anuj P. Biswal
27	1701219181	ASISH DAS	Abs	Ashish Das	Ashish Das	Ashish Das





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

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J. Bhowmik

Programme: B Tech in MECHANICAL ENGINEERING

Semester: 5th

Academic Year : 2019-20

Name of the Course: Smart Manufacturing for Industry 4.0

Course Code (if any):

Sheet No:

Sl No.	Reg. No.	Name of the Students	Date	Date	Date
28	1701219182	BARAT SABAR			
29	1701219183	BHESAJA KUMAR PRADHAN	Berat Sabar		Berat Sabar
30	1701219184	BISWAJIT RAY	B.K.P. Pradhan	Abs.	B.K.P. Pradhan
31	1701219185	DEEPAK KUMAR DEO	Biswajit ray		Biswajit ray
32	1701219186	GYANA RANJAN SAMAL	D.K. DEO	D.K. DEO	D.K. DEO
33	1701219187	KAMESHWAR MAJHI	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal
34	1701219188	KAUSHAL KUMAR SINGH	Kameshwar Majhi		Abs
35	1701219189	LAKSHMAN BEHERA	Kaushal K. Singh		Abs
36	1701219190	MANISH TANDIYA	Lakshman Behara		Lakshman Behara
37	1701219191	NISHIKANTA RATH	Manish Tandiy		Manish Tandiy
38	1701219192	RANJAN RASHMI PATRA	Nishi Kantarath		Nishi Kantarath
39	1701219193	SAMBIT HARICHANDAN	Ranjan Rashmi Patra		Ranjan Rashmi Patra
40	1701219194	SATYAJIT ROUT	S. Nandandan		S. Nandandan
41	1701219195	SIDDHARTHA DEBNATH	Satyajit Rout		Satyajit Rout
42	1701219196	SUBHAMSATYA NAYAK	Siddhartha Debnath		Siddhartha Debnath
43	1701219197	SURAJ KUMAR KUNDA	S. Nayak		Abs
44	1701219289	SATYABRATA MOHAPATRA	Suraj Kunda		Suraj Kunda
45	1701219290	HARIPADA SARKAR	Satyabrata Mohapatra		Satyabrata Mohapatra
46	1701219291	SATYA PRAKASH BARIK	Abs		Abs
47	1701219292	MAHMOODUL HUSSAIN	Haripada Sarkar		Haripada Sarkar
48	1701219293	AASAF KHAN	Satya Barik		Satya Barik
49	1701219294	ANIL KUMAR SAMARTHA	M. Hussain		M. Hussain
50	1701219295	UMAKANTA JENA	Aasaf Khan		Aasaf Khan
51	1701219296	JAGAN BEHERA	Anil Kumar Samartha		Anil Kumar Samartha
52	1701219297	LAKHAI TUDU	Umakanta Jena		Umakanta Jena
53	1701219298	ABHIJIT DASH	Jagan Behara		Jagan Behara
54	1701219299	RAM CHANDRA MALLICK	Lakhai tudu		Lakhai tudu
			Abhijit Dash		Abhijit Dash
			Ram Milmick		Ram Milmick





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

Programme: B Tech in MECHANICAL ENGINEERING

Semester: 5th

Academic Year : 2019-20

Course Code (if any):

Name of the Course: Smart Manufacturing for Industry 4.0

Sheet No:

Sl No.	Reg. No.	Name of the Students	Date	Date	Date
55	1701219300	RAJAT KUMAR SAHOO	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Abs
56	1701219301	JITENDRA BEHERA	Jitendra Behera	Jitendra Behera	Jitendra Behera
57	1701219302	RAJENDRA BISOYI	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi
58	1701219303	AMIYA KUMAR SETHI	Amiya Kumar Sethi	Amiya Kumar Sethi	Amiya Kumar Sethi
59	1701219304	ALJP KUMAR NAYAK	Alip K. Nayak	Alip K. Nayak	Alip K. Nayak
60	1701219305	AMIT KUMAR SAHOO	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo
61	1701219306	BISWAJIT MALLICK	Biswajit Mallik	Biswajit Mallik	Abs
62	1701219307	GENGRO PURTY	G. Purty	G. Purty	G. Purty
63	1701219308	JEEBANJYOTI DASH	Jeebanjyoti Das	Jeebanjyoti Das	Jeebanjyoti Das
64	1701219309	JIBANJYOTI MOHANTY	J. Mohanty	J. Mohanty	J. Mohanty
65	1701219310	JITENDRA KUMAR	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar
66	1701219311	KANHU BEHARA	Kanhu Behera	Kanhu Behera	Abs
67	1701219312	KIRAN KUMAR KAMILA	Kiran K. Kamila	Kiran K. Kamila	Abs
68	1701219313	KUBER MAJHI	Kuber Majhi	Kuber Majhi	Abs
69	1701219314	MAMINA BEHERA	Mamina Behera	Mamina Behera	Abs
70	1701219315	RASMI RANJAN PANDA	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda
71	1701219316	SIDHANATH SOREN	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren
72	1701219317	SUBHRANSU SITAPRAGYAN	S. Sitapragyan	S. Sitapragyan	S. Sitapragyan
73	1701219318	SUBRAT KUMAR NAYAK	Subrat Kumar Nayak	Subrat Kumar Nayak	Subrat Kumar Nayak
74	1701219319	SUDHANSU SEKHAR SETHI	Sudhansu Sekhar SETHI	Sudhansu Sekhar SETHI	Sudhansu Sekhar SETHI
75	1701219320	SUNIL KUMAR SETHY	S.K. SETHY	S.K. SETHY	S.K. SETHY
76	1701219321	SURAJ KUMAR BARAL	Suraj Baral	Suraj Baral	Suraj Baral



(Signature)

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K. B. Singh

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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: 5 th		Academic Year : 2019-20		Course Code (if any):		Sheet No:	
Name of the Course: Smart Manufacturing for Industry 4.0		Date		Date		Date		Date	
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date	Date	Date
1	1701219001	ASHISH KUMAR MAJHI	20/08/19	22/08/19	26/08/19	27/08/19	Abs	Abs	Abs
2	1701219004	BARADA PRASAD ACHARYA	Abs	Ashish K. Majhi	Abs	Ashish K. Majhi	Abs	Ashish K. Majhi	Abs
3	1701219009	ASISH KUMAR RANA	Ashish Kura Rana	Barada Acharya	Barada Acharya	Barada Acharya	Ashish Kura Rana	Ashish Kura Rana	Ashish Kura Rana
4	1701219011	SUDIPTA SUNDAR NAYAK	S. Nayak	Abs	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak
5	1701219016	ABHAYARAJ PATRA	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra
6	1701219021	AMAN SHARMA	Aman Sharma	Aman Sharma	Aman Sharma	Aman Sharma	Aman Sharma	Aman Sharma	Aman Sharma
7	1701219024	SATYABRATA SAHOO	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo
8	1701219025	BISWAJIT PATRA	Biswasit patra	Biswasit patra	Biswasit patra	Biswasit patra	Biswasit patra	Biswasit patra	Biswasit patra
9	1701219026	RAGHUNATH TUDU	Abs	R. Tudu	R. Tudu	R. Tudu	R. Tudu	R. Tudu	R. Tudu
10	1701219035	RAJDEEP SENAPATI	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati
11	1701219039	SANJEEV KUMAR	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar
12	1701219040	BISWAJIT PANDA	Biswasit Panda	Biswasit Panda	Biswasit Panda	Biswasit Panda	Biswasit Panda	Biswasit Panda	Biswasit Panda
13	1701219045	JAGAMOHAN BAGE	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage
14	1701219057	RAMCHANDRA TUDU	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu
15	1701219061	SANJAY KUMAR MAHANTA	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta
16	1701219068	SAMIR RANJAN NAIK	Abs	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik
17	1701219074	SURAJ KUMAR BISWAL	Suraj K. Biswal	Suraj K. Biswal	Suraj K. Biswal	Suraj K. Biswal	Suraj K. Biswal	Suraj K. Biswal	Suraj K. Biswal
18	1701219084	KESHAV KUMAR	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar
19	1701219086	NITISH KUMAR BEHERA	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera
20	1701219092	AMLANA LENKA	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka
21	1701219093	ANSHUMAN SETHY	Anshuman Setty	Anshuman Setty	Anshuman Setty	Anshuman Setty	Anshuman Setty	Anshuman Setty	Anshuman Setty
22	1701219096	SHUBHAM	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
23	1701219100	SRIKANTA HARIJAN	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan
24	1701219176	RANJAN KUMAR DAS	Abs	Ranjan Das	Ranjan Das	Ranjan Das	Ranjan Das	Ranjan Das	Ranjan Das
25	1701219179	AMEET KUMAR SINGH	Ameet Kura Singh	Ameet Kura Singh	Ameet Kura Singh	Ameet Kura Singh	Ameet Kura Singh	Ameet Kura Singh	Ameet Kura Singh
26	1701219180	ANUJ KUMAR BISWAL	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal
27	1701219181	ASISH DAS	Ashish Das	Ashish Das	Ashish Das	Ashish Das	Ashish Das	Ashish Das	Ashish Das



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Name of the Course: Smart Manufacturing for Industry 4.0				Course Code (if any):			
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date
28	1701219182	BARAT SABAR	Barat Sabar	Barat Sabar	Barat Sabar	Barat Sabar	Barat Sabar
29	1701219183	BHESAJA KUMAR PRADHAN	P.K. Pradhan	P.K. Pradhan	P.K. Pradhan	P.K. Pradhan	P.K. Pradhan
30	1701219184	BISWAJIT RAY	Biswasjit ray	Biswasjit ray	Biswasjit ray	Biswasjit ray	Biswasjit ray
31	1701219185	DEEPAK KUMAR DEO	D.K. DEO	D.K. DEO	D.K. DEO	D.K. DEO	D.K. DEO
32	1701219186	GYANA RANJAN SAMAL	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal
33	1701219187	KAMESHWAR MAJHI	Kameshwar Majhi	Kameshwar Majhi	Kameshwar Majhi	Kameshwar Majhi	Kameshwar Majhi
34	1701219188	KAUSHAL KUMAR SINGH	Kaushal K. Singh	Kaushal K. Singh	Kaushal K. Singh	Kaushal K. Singh	Kaushal K. Singh
35	1701219189	LAKSHMAN BEHERA	Lakshman Behera	Lakshman Behera	Lakshman Behera	Lakshman Behera	Lakshman Behera
36	1701219190	MANISH TANDIYA	Manish Tandiyia	Manish Tandiyia	Manish Tandiyia	Manish Tandiyia	Manish Tandiyia
37	1701219191	NISHIKANTA RATH	Nishikanta Rath	Nishikanta Rath	Nishikanta Rath	Nishikanta Rath	Nishikanta Rath
38	1701219192	RANJAN RASHMI PATRA	Ranjan Rashmi Patra	Ranjan Rashmi Patra	Ranjan Rashmi Patra	Ranjan Rashmi Patra	Ranjan Rashmi Patra
39	1701219193	SAMBIT HARICHANDAN	S. Harichandan	S. Harichandan	S. Harichandan	S. Harichandan	S. Harichandan
40	1701219194	SATYAJIT ROUT	Satyajit Rout	Satyajit Rout	Satyajit Rout	Satyajit Rout	Satyajit Rout
41	1701219195	SIDDHARTHA DEBNATH	Siddharta Debnath	Siddharta Debnath	Siddharta Debnath	Siddharta Debnath	Siddharta Debnath
42	1701219196	SUBHAMSATYA NAYAK	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak
43	1701219197	SURAJ KUMAR KUNDA	Suraj kunda	Suraj kunda	Suraj kunda	Suraj kunda	Suraj kunda
44	1701219289	SATYABRATA MOHAPATRA	Satyabrata Mohapatra	Satyabrata Mohapatra	Satyabrata Mohapatra	Satyabrata Mohapatra	Satyabrata Mohapatra
45	1701219290	HARIPADA SARKAR	Haripada Sarkar	Haripada Sarkar	Haripada Sarkar	Haripada Sarkar	Haripada Sarkar
46	1701219291	SATYA PRAKASH BARIK	Satya Barik	Satya Barik	Satya Barik	Satya Barik	Satya Barik
47	1701219292	MAHMOODUL HUSSAIN	Abs	M. Hussain	M. Hussain	M. Hussain	M. Hussain
48	1701219293	AASAF KHAN	Ahsaf Khan	Ahsaf Khan	Ahsaf Khan	Ahsaf Khan	Ahsaf Khan
49	1701219294	ANIL KUMAR SAMARTHA	Anil Kumar Samarth	Anil Kumar Samarth	Anil Kumar Samarth	Anil Kumar Samarth	Anil Kumar Samarth
50	1701219295	UMAKANTA JENA	UmaKanta Jena	UmaKanta Jena	UmaKanta Jena	UmaKanta Jena	UmaKanta Jena
51	1701219296	JAGAN BEHERA	Jagan Behera	Jagan Behera	Jagan Behera	Jagan Behera	Jagan Behera
52	1701219297	LAKHAI TUDU	Lakhai tudu	Lakhai tudu	Lakhai tudu	Lakhai tudu	Lakhai tudu
53	1701219298	ABHIJIT DASH	Abhisat Dash	Abhisat Dash	Abhisat Dash	Abhisat Dash	Abhisat Dash
54	1701219299	RAM CHANDRA MALLICK	Ram Mallick	Ram Mallick	Ram Mallick	Ram Mallick	Ram Mallick





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Name of the Course: Smart Manufacturing for Industry 4.0		Course Code (if any):		Sheet No:	
Sl No.	Reg. No.	Name of the Students	Date	Date	Date
55	1701219300	RAJAT KUMAR SAHOO	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Rajat Kumar Sahoo
56	1701219301	JITENDRA BEHERA	Jitendra Behera	Jitendra Behera	Jitendra Behera
57	1701219302	RAJENDRA BISOYI	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi
58	1701219303	AMIYA KUMAR SETHI	Amiya Kumar Sethi	Amiya Kumar Sethi	Amiya Kumar Sethi
59	1701219304	ALIP KUMAR NAYAK	Alip Kumar Nayak	Alip Kumar Nayak	Alip Kumar Nayak
60	1701219305	AMIT KUMAR SAHOO	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo
61	1701219306	BISWAJIT MALLICK	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik
62	1701219307	GENGRO PURTY	G. Purty	G. Purty	G. Purty
63	1701219308	JEEBANJYOTI DASH	Jeebanjyoti Dash	Jeebanjyoti Dash	Jeebanjyoti Dash
64	1701219309	JIBANJYOTI MOHANTY	J. Mohanty	Jeebanjyoti Dash	Abs.
65	1701219310	JITENDRA KUMAR	Jitendra Kumar	Abs.	J. Mohanty
66	1701219311	KANHU BEHARA	Kanhu Behera	Jitendra Kumar	Jitendra Kumar
67	1701219312	KIRAN KUMAR KAMILA	Kanhu Behera	Kanhu Behera	Kanhu Behera
68	1701219313	KUBER MAJHI	Kiran K. Kamila	Kiran K. Kamila	Abs.
69	1701219314	MAMINA BEHERA	Kuber Majhi	Kuber Majhi	Kuber Majhi
70	1701219315	RASMI RANJAN PANDA	Mama Behera	Mama Behera	Mama Behera
71	1701219316	SIDHANATH SOREN	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda
72	1701219317	SUBHRANSU SITAPRAGYAN	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren
73	1701219318	SUBRAT KUMAR NAYAK	S. Sitapragyan	S. Sitapragyan	S. Sitapragyan
74	1701219319	SUDHANSU SEKHAR SETHI	Subrat K. Nayak	Subrat K. Nayak	Subrat K. Nayak
75	1701219320	SUNIL KUMAR SETHY	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi
76	1701219321	SURAJ KUMAR BARAL	S. K. SETHY	S. K. SETHY	S. K. SETHY
			Surya Baral	Abs.	Surya Baral



S. K. SETHY

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Programme: B Tech in MECHANICAL ENGINEERING		Semester: 5 th		Academic Year : 2019-20		Course Code (if any):		Sheet No:	
Name of the Course: Smart Manufacturing for Industry 4.0									
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date	Date	Date
1	1701219001	ASHISH KUMAR MAJHI	28/8/19	29/8/19	30/8/19	31/8/19	1/9/19	2/9/19	3/9/19
2	1701219004	BARADA PRASAD ACHARYA	Ashish Kumar Majhi	Ashish Kumar Majhi	Ashish Kumar Majhi	Ashish Kumar Majhi	Ashish Kumar Majhi	Ashish Kumar Majhi	Ashish Kumar Majhi
3	1701219009	ASISH KUMAR RANA	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya
4	1701219011	SUDIPTA SUNDAR NAYAK	Abs	Abs	Abs	Abs	Abs	Abs	Abs
5	1701219016	ABHAYARAJ PATRA	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak
6	1701219021	AMAN SHARMA	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra
7	1701219024	SATYABRATA SAHOO	Aman Sharma	Abs	Abs	Abs	Abs	Abs	Abs
8	1701219025	BISWAJIT PATRA	S. Sahoo	Biswajit Patra	Biswajit Patra	Biswajit Patra	Biswajit Patra	Biswajit Patra	Biswajit Patra
9	1701219026	RAGHUNATH TUDU	Biswajit Patra	R. Tudu	Abs	Abs	Abs	Abs	Abs
10	1701219035	RAJDEEP SENAPATI	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati
11	1701219039	SANJEEV KUMAR	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar
12	1701219040	BISWAJIT PANDA	Biswajit Panda	Biswajit Panda	Biswajit Panda	Biswajit Panda	Biswajit Panda	Biswajit Panda	Biswajit Panda
13	1701219045	JAGAMOHAN BAGE	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage
14	1701219057	RAMCHANDRA TUDU	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati
15	1701219061	SANJAY KUMAR MAHANTA	Abs	Abs	Abs	Abs	Abs	Abs	Abs
16	1701219068	SAMIR RANJAN NAIK	Sanjay Kumar Mahanta	Sanjay Kumar Mahanta	Sanjay Kumar Mahanta	Sanjay Kumar Mahanta	Sanjay Kumar Mahanta	Sanjay Kumar Mahanta	Sanjay Kumar Mahanta
17	1701219074	SURAJ KUMAR BISWAL	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik
18	1701219084	KESHAV KUMAR	Suraj Kumar Biswal	Suraj Kumar Biswal	Suraj Kumar Biswal	Suraj Kumar Biswal	Suraj Kumar Biswal	Suraj Kumar Biswal	Suraj Kumar Biswal
19	1701219086	NITISH KUMAR BEHERA	Keshav Kumar	Abs	Abs	Abs	Abs	Abs	Abs
20	1701219092	AMLANA LENKA	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera
21	1701219093	ANSHUMAN SETHY	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka
22	1701219096	SHUBHAM	Abs	Abs	Abs	Abs	Abs	Abs	Abs
23	1701219100	SRIKANTA HARIJAN	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
24	1701219176	RANJAN KUMAR DAS	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan
25	1701219179	AMEET KUMAR SINGH	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das
26	1701219180	ANUJ KUMAR BISWAL	Ameeth Kumar Singh	Abs	Abs	Abs	Abs	Abs	Abs
27	1701219181	ASISH DAS	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal



J. B. Singh



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Name of the Course: Smart Manufacturing for Industry 4.0		Course Code (if any):		Sheet No:	
Sl No.	Reg. No.	Name of the Students	Date	Date	Date
28	1701219182	BARAT SABAR	Barat Sabar	Barat Sabar	Barat Sabar
29	1701219183	BHESAJA KUMAR PRADHAN	B. K. Pradhan	B. K. Pradhan	B. K. Pradhan
30	1701219184	BISWAJIT RAY	Biswajit Ray	Biswajit Ray	Abs.
31	1701219185	DEEPAK KUMAR DEO	D.K. DEO	D.K. DEO	D.K. DEO
32	1701219186	GYANA RANJAN SAMAL	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal
33	1701219187	KAMESHWAR MAJHI	Kameshwar Majhi	Kameshwar Majhi	Kameshwar Majhi
34	1701219188	KAUSHAL KUMAR SINGH	Kaushal K. Singh	Kaushal K. Singh	Kaushal K. Singh
35	1701219189	LAKSHMAN BEHERA	Lakshman Behera	Lakshman Behera	Lakshman Behera
36	1701219190	MANISH TANDIYA	Manish Tandiy	Manish Tandiy	Abs.
37	1701219191	NISHIKANTA RATH	Nishi Kanta Rath	Nishi Kanta Rath	Nishi Kanta Rath
38	1701219192	RANJAN RASHMI PATRA	Ranjan Rashmi Patra	Ranjan Rashmi Patra	Ranjan Rashmi Patra
39	1701219193	SAMBIT HARICHANDAN	S. Harichandan	S. Harichandan	S. Harichandan
40	1701219194	SATYAJIT ROUT	Satyajit Rout	Satyajit Rout	Satyajit Rout
41	1701219195	SIDDHARTHA DEBNATH	Siddhartha Debnath	Siddhartha Debnath	Siddhartha Debnath
42	1701219196	SUBHAMSATYA NAYAK	S. Nayak	S. Nayak	S. Nayak
43	1701219197	SURAJ KUMAR KUNDA	Suraj Kunda	Suraj Kunda	Abs.
44	1701219289	SATYABRATA MOHAPATRA	Satyabrata Mohapatra	Satyabrata Mohapatra	Satyabrata Mohapatra
45	1701219290	HARIPADA SARKAR	Haripada Sarkar	Haripada Sarkar	Haripada Sarkar
46	1701219291	SATIYA PRAKASH BARIK	Satya Barik	Satya Barik	Satya Barik
47	1701219292	MAHMOODUL HUSSAIN	M. Hussain	M. Hussain	M. Hussain
48	1701219293	AASAF KHAN	Abs	Abs	Abs
49	1701219294	ANIL KUMAR SAMARTHA	Anil Kumar Samantha	Anil Kumar Samantha	Anil Kumar Samantha
50	1701219295	UMAKANTA JENA	Umakanta Jena	Umakanta Jena	Umakanta Jena
51	1701219296	JAGAN BEHERA	Jagan Behera	Jagan Behera	Jagan Behera
52	1701219297	LAKHAI TUDU	Lakhai Tudu	Lakhai Tudu	Lakhai Tudu
53	1701219298	ABHIJIT DASH	Abhijit Dash	Abhijit Dash	Abs
54	1701219299	RAM CHANDRA MALLICK	Ram Milkick	Ram Milkick	Ram Milkick



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Name of the Course: Smart Manufacturing for Industry 4.0				Course Code (if any):			
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55	1701219300	RAJAT KUMAR SAHOO	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Rajat Kumar Sahoo
56	1701219301	JITENDRA BEHERA	Jitendra Behera	Jitendra Behera	Jitendra Behera	Jitendra Behera	Jitendra Behera
57	1701219302	RAJENDRA BISOYI	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi
58	1701219303	AMIYA KUMAR SETHI	Amiya Kumar Sethi	Amiya Kumar Sethi	Amiya Kumar Sethi	Amiya Kumar Sethi	Amiya Kumar Sethi
59	1701219304	ALIP KUMAR NAYAK	Alip K Nayak	Alip K Nayak	Alip K Nayak	Alip K Nayak	Alip K Nayak
60	1701219305	AMIT KUMAR SAHOO	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo
61	1701219306	BISWAJIT MALLICK	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik
62	1701219307	GENGRO PURTY	G. Purty	G. Purty	G. Purty	G. Purty	G. Purty
63	1701219308	JEEBANJYOTI DASH	Jeebanjyoti Das	Jeebanjyoti Das	Jeebanjyoti Das	Jeebanjyoti Das	Jeebanjyoti Das
64	1701219309	JIBANJYOTI MOHANTY	J. Mohanty	J. Mohanty	J. Mohanty	J. Mohanty	J. Mohanty
65	1701219310	JITENDRA KUMAR	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar
66	1701219311	KANHU BEHARA	Kanhu Behera	Kanhu Behera	Kanhu Behera	Kanhu Behera	Kanhu Behera
67	1701219312	KIRAN KUMAR KAMILA	Kiran K. Kamila	Kiran K. Kamila	Kiran K. Kamila	Kiran K. Kamila	Kiran K. Kamila
68	1701219313	KUBER MAJHI	Kuber Majhi	Kuber Majhi	Kuber Majhi	Kuber Majhi	Kuber Majhi
69	1701219314	MAMINA BEHERA	Mamina Behera	Mamina Behera	Mamina Behera	Mamina Behera	Mamina Behera
70	1701219315	RASMI RANJAN PANDA	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda
71	1701219316	SIDHANATH SOREN	S. Panda	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda
72	1701219317	SUBHRANSU SITTAPRAGYAN	S. S. Tapragyan	S. S. Tapragyan	S. S. Tapragyan	S. S. Tapragyan	S. S. Tapragyan
73	1701219318	SUBRAT KUMAR NAYAK	Subrat Kumar Nayak	Subrat Kumar Nayak	Subrat Kumar Nayak	Subrat Kumar Nayak	Subrat Kumar Nayak
74	1701219319	SUDHANSU SEKHAR SETHI	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi
75	1701219320	SUNIL KUMAR SETHY	S. K. SETHY	S. K. SETHY	S. K. SETHY	S. K. SETHY	S. K. SETHY
76	1701219321	SURAJ KUMAR BARAL	SURAJ BARAL	SURAJ BARAL	SURAJ BARAL	SURAJ BARAL	SURAJ BARAL



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Programme: B Tech in MECHANICAL ENGINEERING		Semester: 5 th		Academic Year : 2019-20		Course Code (if any):		Sheet No:	
Name of the Course: Smart Manufacturing for Industry 4.0									
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date	Date	Date
1	1701219001	ASHISH KUMAR MAJHI	5/9/19	6/9/19	10/9/19	11/9/19	11/9/19	11/9/19	11/9/19
2	1701219004	BARADA PRASAD ACHARYA	Abs	Ashish Ku Majhi	Achish Ku Majhi	Achish Ku Majhi	Achish Ku Majhi	Achish Ku Majhi	Achish Ku Majhi
3	1701219009	ASISH KUMAR RANA	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya
4	1701219011	SUDIPTA SUNDAR NAYAK	Ashish K. Rana	Ashish K. Rana	Ashish K. Rana	Ashish K. Rana	Ashish K. Rana	Ashish K. Rana	Ashish K. Rana
5	1701219016	ABHAYARAJ PATRA	S. Nayak	Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak
6	1701219021	AMAN SHARMA	Anam Sharma	Anam Sharma	Anam Sharma	Anam Sharma	Anam Sharma	Anam Sharma	Anam Sharma
7	1701219024	SATYABRATA SAHOO	S. Sahoo	Abs	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo
8	1701219025	BISWAJIT PATRA	Biswasjit patra	Biswasjit patra	Biswasjit patra	Biswasjit patra	Biswasjit patra	Biswasjit patra	Biswasjit patra
9	1701219026	RAGHUNATH TUDU	R. Tudu	R. Tudu	R. Tudu	R. Tudu	R. Tudu	R. Tudu	R. Tudu
10	1701219035	RAJDEEP SENAPATI	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati
11	1701219039	SANJEEV KUMAR	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar
12	1701219040	BISWAJIT PANDA	Biswasjit Panda	Biswasjit Panda	Biswasjit Panda	Biswasjit Panda	Biswasjit Panda	Biswasjit Panda	Biswasjit Panda
13	1701219045	JAGAMOHAN BAGE	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage
14	1701219057	RAMCHANDRA TUDU	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu
15	1701219061	SANJAY KUMAR MAHANTA	S.K. Mahanta	S.K. Mahanta	S.K. Mahanta	S.K. Mahanta	S.K. Mahanta	S.K. Mahanta	S.K. Mahanta
16	1701219068	SAMIR RANJAN NAIK	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik
17	1701219074	SURAJ KUMAR BISWAL	Suraj Ku Biswal	Abs	Suraj Ku Biswal	Suraj Ku Biswal	Suraj Ku Biswal	Suraj Ku Biswal	Suraj Ku Biswal
18	1701219084	KESHAV KUMAR	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar
19	1701219086	NITISH KUMAR BEHERA	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera
20	1701219092	AMLANA LENKA	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka
21	1701219093	ANSHUMAN SETHY	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy
22	1701219096	SHUBHAM	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
23	1701219100	SRIKANTA HARIJAN	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan	Srikanta Harijan
24	1701219176	RANJAN KUMAR DAS	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das	Ranjan Kumar Das
25	1701219179	AMEET KUMAR SINGH	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh
26	1701219180	ANUJ KUMAR BISWAL	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal	Anuj Kumar Biswal
27	1701219181	ASISH DAS	Asish Das	Asish Das	Asish Das	Asish Das	Asish Das	Asish Das	Asish Das



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29	1701219183	BHESAJA KUMAR PRADHAN	B.K. Pradhan	B.K. Pradhan	B.K. Pradhan	B.K. Pradhan	B.K. Pradhan
30	1701219184	BISWAJIT RAY	Biswasjit ray	Biswasjit ray	Biswasjit ray	Biswasjit ray	Biswasjit ray
31	1701219185	DEEPAK KUMAR DEO	D.K. DEO	D.K. DEO	D.K. DEO	D.K. DEO	D.K. DEO
32	1701219186	GYANA RANJAN SAMAL	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal	Gyana Ranjan Samal
33	1701219187	KAMESHWAR MAJHI	Kameshwar Majhi	Kameshwar Majhi	Kameshwar Majhi	Kameshwar Majhi	Kameshwar Majhi
34	1701219188	KAUSHAL KUMAR SINGH	Abs	Abs	Kaushal K. Singh	Kaushal K. Singh	Kaushal K. Singh
35	01219189	LAKSHMAN BEHERA	Lakshman Behera	Lakshman Behera	Lakshman Behera	Lakshman Behera	Lakshman Behera
36	01219190	MANISH TANDIYA	Manish Tandiyia	Manish Tandiyia	Manish Tandiyia	Manish Tandiyia	Manish Tandiyia
37	01219191	NISHIKANTA RATH	Nishikanta Rath	Nishikanta Rath	Nishikanta Rath	Nishikanta Rath	Nishikanta Rath
38	1701219192	RANJAN RASHMI PATRA	Ranjan Rashmi Patra	Ranjan Rashmi Patra	Ranjan Rashmi Patra	Ranjan Rashmi Patra	Ranjan Rashmi Patra
39	1701219193	SAMBIT HARICHANDAN	S. Narichandan	S. Narichandan	S. Narichandan	S. Narichandan	S. Narichandan
40	1701219194	SATYAJIT ROUT	Satyajit Rout	Satyajit Rout	Satyajit Rout	Satyajit Rout	Satyajit Rout
41	1701219195	SIDDHARTHA DEBNATH	Siddhartha Debnath	Siddhartha Debnath	Siddhartha Debnath	Siddhartha Debnath	Siddhartha Debnath
42	1701219196	SUBHAMSATYA NAYAK	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak
43	1701219197	SURAJ KUMAR KUNDA	Suraj Kunda	Suraj Kunda	Suraj Kunda	Suraj Kunda	Suraj Kunda
44	1701219289	SATYABRATA MOHAPATRA	Satyabrata Mohapatra	Satyabrata Mohapatra	Satyabrata Mohapatra	Satyabrata Mohapatra	Satyabrata Mohapatra
45	1701219290	HARIPADA SARKAR	Haripada Sarkar	Haripada Sarkar	Haripada Sarkar	Haripada Sarkar	Haripada Sarkar
46	1701219291	SATIYA PRAKASH BARIK	Satiya Barik	Satiya Barik	Satiya Barik	Satiya Barik	Satiya Barik
47	1701219292	MAHMOODUL HUSSAIN	M. Hussain	M. Hussain	M. Hussain	M. Hussain	M. Hussain
48	1701219293	AASAF KHAN	Ahsaf Khan	Ahsaf Khan	Ahsaf Khan	Ahsaf Khan	Ahsaf Khan
49	1701219294	ANIL KUMAR SAMARTHA	Abs	Anil Kumar Samarth	Anil Kumar Samarth	Anil Kumar Samarth	Abs
50	1701219295	UMAKANTA JENA	Umakanta Jena	Umakanta Jena	Umakanta Jena	Umakanta Jena	Umakanta Jena
51	1701219296	JAGAN BEHERA	Jagan Behera	Jagan Behera	Jagan Behera	Jagan Behera	Jagan Behera
52	1701219297	LAKHAI TUDU	Lakhai tudu	Lakhai tudu	Lakhai tudu	Lakhai tudu	Lakhai tudu
53	1701219298	ABHIJIT DASH	Abhisat Dash	Abhisat Dash	Abhisat Dash	Abhisat Dash	Abhisat Dash
54	1701219299	RAM CHANDRA MALLICK	Ram Mallick	Abs	Ram Mallick	Ram Mallick	Ram Mallick





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Name of the Course: Smart Manufacturing for Industry 4.0				Course Code (if any):			
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date
55	1701219300	RAJAT KUMAR SAHOO	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Rajat Kumar Sahoo	Rajat Kumar Sahoo
56	1701219301	JITENDRA BEHERA	Abs	Jitendra Behera	Jitendra Behera	Jitendra Behera	Jitendra Behera
57	1701219302	RAJENDRA BISOYI	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi	Rajendra Bisoyi
58	1701219303	AMIYA KUMAR SETHI	Amiya Kumar Sethi	Amiya Kumar Sethi	Abs	Amiya Kumar Sethi	Amiya Kumar Sethi
59	1701219304	ALIP KUMAR NAYAK	Alip K. Nayak	Abs	Alip K. Nayak	Alip K. Nayak	Alip K. Nayak
60	1701219305	AMIT KUMAR SAHOO	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo
61	1701219306	BISWAJIT MALLICK	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik
62	1701219307	GENGRO PURTY	G. Purty	G. Purty	G. Purty	G. Purty	G. Purty
63	1701219308	JEEBANJYOTI DASH	Jeebanjyoti Das	Jeebanjyoti Das	Jeebanjyoti Das	Jeebanjyoti Das	Jeebanjyoti Das
64	1701219309	JIBANJYOTI MOHANTY	Abs	J. Mohanty	J. Mohanty	J. Mohanty	Abs
65	1701219310	JITENDRA KUMAR	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar
66	1701219311	KANHU BEHARA	Kanhu Behera	Kanhu Behera	Kanhu Behera	Kanhu Behera	Kanhu Behera
67	1701219312	KIRAN KUMAR KAMILA	Kiran Ku. Kamila	Kiran Ku. Kamila	Kiran Ku. Kamila	Kiran Ku. Kamila	Kiran Ku. Kamila
68	1701219313	KUBER MAJHI	Kuber Majhi	Kuber Majhi	Kuber Majhi	Kuber Majhi	Kuber Majhi
69	1701219314	MAMINA BEHERA	Mamina Behera	Mamina Behera	Mamina Behera	Mamina Behera	Abs
70	1701219315	RASMI RANJAN PANDA	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda	Abs
71	1701219316	SIDHANATH SOREN	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren
72	1701219317	SUBHRANSU SITTAPRAGYAN	S. Sitta pragyan	Abs	S. Sitta pragyan	S. Sitta pragyan	S. Sitta pragyan
73	1701219318	SUBRAT KUMAR NAYAK	Subrat Ku. Nayak	Subrat Ku. Nayak	Subrat Ku. Nayak	Subrat Ku. Nayak	Subrat Ku. Nayak
74	1701219319	SUDHANSU SEKHAR SETHI	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi
75	1701219320	SUNIL KUMAR SETHI	Abs	S.K. Sethi	S.K. Sethi	S.K. Sethi	S.K. Sethi
76	1701219321	SURAJ KUMAR BARAL	Suraj Baral	Suraj Baral	Suraj Baral	Suraj Baral	Suraj Baral



S. S. Prady

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A. Bhuj

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Name of the Course: Smart Manufacturing for Industry 4.0				Course Code (if any):			
Sl.No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date
1	1701219001	ASHISH KUMAR MAJHI	16/9/19	17/9/19	18/9/19	19/9/19	19/9/19
2	1701219004	BARADA PRASAD ACHARYA	Ashish K. Majhi	Ashish K. Majhi	Ashish K. Majhi	Ashish K. Majhi	Ashish K. Majhi
3	1701219009	ASISH KUMAR RANA	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya	Barada Acharya
4	1701219011	SUDIPTA SUNDAR NAYAK	Ashish Kumar Rana	Ashish Kumar Rana	Ashish Kumar Rana	Ashish Kumar Rana	Ashish Kumar Rana
5	1701219016	ABHAYARAJ PATRA	S. Nayak	S. Nayak	S. Nayak	S. Nayak	S. Nayak
6	1701219021	AMAN SHARMA	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra	Abhayaraj Patra
7	1701219024	SATYABRATA SAHOO	Aman Sharma	Aman Sharma	Aman Sharma	Aman Sharma	Aman Sharma
8	1701219025	BISWAJIT PATRA	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo	S. Sahoo
9	1701219026	RAGHUNATH TUDU	Biswajit Patra	Biswajit Patra	Biswajit Patra	Biswajit Patra	Biswajit Patra
10	1701219035	RAJDEEP SENAPATI	R. Tudu	R. Tudu	R. Tudu	R. Tudu	R. Tudu
11	1701219039	SANJEEV KUMAR	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati	Rajdeep Senapati
12	1701219040	BISWAJIT PANDA	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar	Sanjeev Kumar
13	1701219045	JAGAMOHAN BAGE	Biswajit Panda	Biswajit Panda	Biswajit Panda	Biswajit Panda	Biswajit Panda
14	1701219057	RAMCHANDRA TUDU	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage	Jagamohan Bage
15	1701219061	SANJAY KUMAR MAHANTA	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu	Ramchandra Tudu
16	1701219068	SAMIR RANJAN NAIK	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta	S. K. Mahanta
17	1701219074	SURAJ KUMAR BISWAL	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik	Samir Ranjan Naik
18	1701219084	KESHAV KUMAR	Suraj M. Biswal	Suraj M. Biswal	Suraj M. Biswal	Suraj M. Biswal	Suraj M. Biswal
19	1701219086	NITISH KUMAR BEHERA	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar	Keshav Kumar
20	1701219092	AMLANA LENKA	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera	Nitish Kumar Behera
21	1701219093	ANSHUMAN SETHY	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka	Amlana Lenka
22	1701219096	SHUBHAM	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy	Anshuman Sethy
23	1701219100	SRIKANTA HARIJAN	Shubham	Shubham	Shubham	Shubham	Shubham
24	1701219176	RANJAN KUMAR DAS	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan	Srikanth Harijan
25	1701219179	AMEET KUMAR SINGH	Ranjan Das	Ranjan Das	Ranjan Das	Ranjan Das	Ranjan Das
26	1701219180	ANUJ KUMAR BISWAL	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh	Ameet Kumar Singh
27	1701219181	ASISH DAS	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal	Anuj K. Biswal



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29	1701219183	BHESAJA KUMAR PRADHAN	B. K. Pradhan	B. K. Pradhan
30	1701219184	BISWAJIT RAY	Biswasjit ray	Abs
31	1701219185	DEEPAK KUMAR DEO	D.K. Deo	D.K. Deo
32	1701219186	GYANA RANJAN SAMAL	Gyana Ranjan Samal	Gyana Ranjan Samal
33	1701219187	KAMESHWAR MAJHI	Kameshwar Majhi	Kameshwar Majhi
34	1701219188	KAUSHAL KUMAR SINGH	Abs	Kaushal K. Singh
35	1701219189	LAKSHMAN BEHERA	Lakshman Behera	Lakshman Behera
36	1701219190	MANISH TANDIYA	Abs	Manish Tandiga
37	1701219191	NISHIKANTA RATH	Nishikanta Rath	Nishikanta Rath
38	1701219192	RANJAN RASHMI PATRA	Ranjan Rashmi Patra	Abs
39	1701219193	SAMBIT HARICHANDAN	S. Nairchandan	S. Nairchandan
40	1701219194	SATYAJIT ROUT	Satyajit Rout	Satyajit Rout
41	1701219195	SIDDHARTHA DEBNATH	Siddhartha Debnath	Siddhartha Debnath
42	1701219196	SUBHAMSATIYA NAYAK	S. Nayak	S. Nayak
43	1701219197	SURAJ KUMAR KUNDA	Suraj Kunda	Suraj Kunda
44	1701219289	SATYABRATA MOHAPATRA	Satyabrata Mohapatra	Satyabrata Mohapatra
45	1701219290	HARIPADA SARKAR	Haripada Sarkar	Haripada Sarkar
46	1701219291	SATIYA PRAKASH BARIK	Satiya Barik	Satiya Barik
47	1701219292	MAHMOODUL HUSSAIN	M. Hussain	M. Hussain
48	1701219293	AASAF KHAN	Ahsaf Khan	Ahsaf Khan
49	1701219294	ANIL KUMAR SAMARTHA	Anil Kumar Samantha	Abs
50	1701219295	UMAKANTA JENA	Umakanta Jena	Umakanta Jena
51	1701219296	JAGAN BEHERA	Jagan Behera	Jagan Behera
52	1701219297	LAKHAI TUDU	Lakhai Tudu	Lakhai Tudu
53	1701219298	ABHIJIT DASH	Abhisat Dash	Abhisat Dash
54	1701219299	RAM CHANDRA MALLICK	Abs	Ram Mallick



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56	1701219301	JITENDRA BEHERA	Jitendra Behera	Jitendra Behera	Jitendra Behera	Jitendra Behera	Jitendra Behera
57	1701219302	RAJENDRA BISOYI	Rajendra Bisoi	Rajendra Bisoi	Rajendra Bisoi	Rajendra Bisoi	Rajendra Bisoi
58	1701219303	AMIYA KUMAR SETHI	Amya Kumar Sethi	Amya Kumar Sethi	Amya Kumar Sethi	Amya Kumar Sethi	Amya Kumar Sethi
59	1701219304	ALIP KUMAR NAYAK	Alip K. Nayak	Alip K. Nayak	Alip K. Nayak	Alip K. Nayak	Alip K. Nayak
60	1701219305	AMIT KUMAR SAHOO	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo	Amit Kumar Sahoo
61	1701219306	BISWAJIT MALLICK	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik	Biswajit Mallik
62	1701219307	GENGRO PURTY	G. Purty	G. Purty	G. Purty	G. Purty	G. Purty
63	1701219308	JEEBANJYOTI DASH	Jeebanjyoti Mohanty	Jeebanjyoti Mohanty	Jeebanjyoti Mohanty	Jeebanjyoti Mohanty	Jeebanjyoti Mohanty
64	1701219309	JIBANJYOTI MOHANTY	J. Mohanty	J. Mohanty	J. Mohanty	J. Mohanty	J. Mohanty
65	1701219310	JITENDRA KUMAR	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar	Jitendra Kumar
66	1701219311	KANHU BEHARA	Kanhu Behera	Kanhu Behera	Kanhu Behera	Kanhu Behera	Kanhu Behera
67	1701219312	KIRAN KUMAR KAMILA	Kiran K. Kamila	Kiran K. Kamila	Kiran K. Kamila	Kiran K. Kamila	Kiran K. Kamila
68	1701219313	KUBER MAJHI	Kuber Majhi	Kuber Majhi	Kuber Majhi	Kuber Majhi	Kuber Majhi
69	1701219314	MAMINA BEHERA	Mamira Behera	Mamira Behera	Mamira Behera	Mamira Behera	Mamira Behera
70	1701219315	RASMI RANJAN PANDA	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda	Rasmi R. Panda
71	1701219316	SIDHANATH SOREN	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren	Sidhanath Soren
72	1701219317	SUBHRANSU SUTAPRAGYAN	S. S. Sutapragyan	S. S. Sutapragyan	S. S. Sutapragyan	S. S. Sutapragyan	S. S. Sutapragyan
73	1701219318	SUBRAT KUMAR NAYAK	Subrat K. Nayak	Subrat K. Nayak	Subrat K. Nayak	Subrat K. Nayak	Subrat K. Nayak
74	1701219319	SUDHANSU SEKHAR SETHI	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi	Sudhansu Sekhar Sethi
75	1701219320	SUNIL KUMAR SETHY	S. K. S. Sethy	S. K. S. Sethy	S. K. S. Sethy	S. K. S. Sethy	S. K. S. Sethy
76	1701219321	SURAJ KUMAR BARAL	Suraj Baral	Suraj Baral	Suraj Baral	Suraj Baral	Suraj Baral





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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. BARAT SABAR student of the Department

of Mechanical Engg. semester Fifth bearing registration number 1701219182

has successfully completed the ADD-ON Course titled Manufacturing for Industry 4.0

conducted at College of Engineering Bhubaneswar in the academic year 2019-20

Course-Cordinator

Principal

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Certificate of Completion

This is to certify that Mr./Ms. BHESAJA KUMAR PRADHAN, student of the Department

of Mechanical Engg. semester Fifth bearing registration number 1701219183

has successfully completed the ADD-ON Course titled Manufacturing for Industry 4.0

conducted at College of Engineering Bhubaneswar in the academic year 2019-20

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Course-Coordinator

Principal

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Certificate of Completion

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

of Mechanical Engg. semester Fifth bearing registration number 1701219184

has successfully completed the ADD-ON Course titled Manufacturing for Industry 4.0

conducted at College of Engineering Bhubaneswar in the academic year 2019-20

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Course-Coordinator

Principal

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Certificate of Completion

This is to certify that Mr./Ms. DEEPAK KUMAR DEO, student of the Department
of Mechanical Engg. semester Fifth bearing registration number 1701219185
has successfully completed the ADD-ON Course titled Manufacturing for Industry 4.0
conducted at College of Engineering Bhubaneswar in the academic year 2019-20

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Course-Coordinator

Principal

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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. GYANA RANJAN SAMAL student of the Department

of Mechanical Engg. semester Fifth bearing registration number 1701219186

has successfully completed the ADD-ON Course titled Manufacturing for Industry 4.0

conducted at College of Engineering Bhubaneswar in the academic year 2019-20

Course-Coordinator

Principal

PRINCIPAL
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TRUE COPY