



**COLLEGE OF ENGINEERING BHUBANESWAR (COEB)**

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

[AFFILIATED TO BPUT, ODISHA]


[www.coeb.ac.in](http://www.coeb.ac.in)

**DEPARTMENT OF MECHANICAL ENGINEERING**

**ADD-ON COURSE : Boiler Safety**

[Programme: B.Tech, Mechanical Engg.]

**Semester: 7th**

  
PRINCIPAL  
College of Engineering Bhubaneswar

**Course Objectives:**

- ❖ To learn about Boiler and its operations.
- ❖ To understand the importance of Boiler safety and its implementation.
- ❖ To understand the hazards and safety precautions.

**SYLLABUS**

**Total Lecture Hours: 40**

**MODULE 1:**

**(10 hours)**

Introduction to Boilers, Air, Fuel, Steam and Flue Gas Systems, Ash Handling Systems, Operations of Boiler, Steam piping pitch and support.

**MODULE 2:**

**(10 hours)**

Commissioning and maintenance of power plant, Water Hammer: Condensate Drainage, Steam Piping Pitch and Support, Pressure Relief and Expansion Devices, Corrosion Prevention  
Working in confined Spaces.

**MODULE 3:**

**(10 hours)**

Working in Extreme Temperatures: High Temperature Illnesses, High Temperature Hazard Control, Low Temperature Illnesses, Low Temperature Hazard Control, Thermal Burns, Lead Hazards, Asbestos Hazards.

**MODULE 4:**

**(10 hours)**

Noise Hazards: Noise Monitoring, Hearing Conservation Program, Hearing Protection, Loud Noises, Exposure to Hazards from Hot Work, Personal protective equipments, Injuries from Hand and Power tools.

**Course Outcomes:**

After completion of course the students will be able to:

- CO1: Understand the basics of Boiler Safety.
- CO2: Understand the use of Boiler and its operations.
- CO3: Understand the hazards encountered in Boiler
- CO4: Knowledge of various safety precautions to be taken.

**Text Book:**

1. Boiler Efficiency and Safety, Publisher: Red Globe Press London, Editors: W. S. Robertson
2. Boiler Operator's Guide, 5th Edition, ISBN: 9781260026993, Publication Date & Copyright: 2021 McGraw Hill

3. Boiler Safety Orders, Author: California Industrial Accid Commission, ISBN-10: 133051503X, ISBN-13: 978-1330515037

**Reference Book:**

1. Jackson, J.J. Steam boiler operation: principles and practice. United States: n.p. , 1980. Web.

**Online resources:**

<https://www.youtube.com/watch?v=IsiJiYrey0A>

[https://www.osha.gov/sites/default/files/2018-12/mod\\_7\\_boiler\\_safety2.pptx](https://www.osha.gov/sites/default/files/2018-12/mod_7_boiler_safety2.pptx)


**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. Tapas Chand

  
Principal

PRINCIPAL  
College of Engineering Bhubaneswar

  
H.O.D. Mechanical Engg.  
Mechanical Engineering  
College of Engineering Bhubaneswar



PRINCIPAL  
College of Engineering Bhubaneswar



# COLLEGE OF ENGINEERING BHUBANESWAR

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

## NOTICE

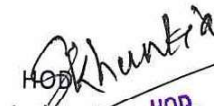
### Department of Mechanical Engineering Add On Course 2020-2021

Ref No: COEB/ME/2020/23

Date: 28.08.2020

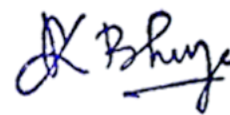
It is hereby informed to all the students that the Department of Mechanical Engineering is going to start the following Add-on courses for Academic year 2020-2021. All the students are instructed to enroll their names for the following courses on or before 10.09.2020. The classes will be commenced from 14/09/2020 in ON\_LINE MODE from 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 <sup>rd</sup>	40	Dr. Sujit Ku. Khuntia
2	Smart Manufacturing for Industry 4.0	5 <sup>th</sup>	40	Prof. Jagannath Mohapatra
3	Boiler Safety	7 <sup>th</sup>	40	Prof. Tapas Kumar Chand

  
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

  
PRINCIPAL  
College of Engineering Bhubaneswar





**COLLEGE OF ENGINEERING BHUBANESWAR (COEB)  
ADD-ON COURSE ENROLLMENT SHEET**

**ON-LINE MODE**

<b>Name of the Department: Department of Mechanical Engineering</b>	
<b>Course Title: Boiler Safety</b>	
<b>Semester : 7th</b>	<b>Academic Year: 2020-21</b>
<b>Duration: 40 hours</b>	

Student's Declaration/Undertaking


- I do hereby undertake to participate in the above mentioned add on course.
- I do hereby, promise to abide by the admissible rules and regulations, concerning discipline, attendance, etc. of the department, and also to follow the Code of Conduct prescribed for the students of the Institute, as in force from time to time.

Sl. No.	Registration No.	Name of the Student	Remarks by the Course Coordinator
1	1701219001	ASHISH KUMAR MAJHI	Certified that the Enrollment Sheet is prepared by taking the consents of the students to enroll themselves in this Certificate Course (Add-On) to be conducted in Virtual Mode (ON-LINE) during the Pandemic COVID'19 through the link provided by the Department.  They have also gone through the declaration/undertaking to be strictly abided by them during the course period.
2	1701219004	BARADA PRASAD ACHARYA	
3	1701219009	ASISH KUMAR RANA	
4	1701219011	SUDIPTA SUNDAR NAYAK	
5	1701219016	ABHAYARAJ PATRA	
6	1701219021	AMAN SHARMA	
7	1701219024	SATYABRATA SAHOO	
8	1701219025	BISWAJIT PATRA	
9	1701219026	RAGHUNATH TUDU	
10	1701219035	RAJDEEP SENAPATI	
11	1701219039	SANJEEV KUMAR	
12	1701219040	BISWAJIT PANDA	
13	1701219045	JAGAMOHAN BAGE	
14	1701219057	RAMCHANDRA TUDU	
15	1701219061	SANJAY KUMAR MAHANTA	
16	1701219068	SAMIR RANJAN NAIK	
17	1701219074	SURAJ KUMAR BISWAL	
18	1701219084	KESHAV KUMAR	
19	1701219086	NITISH KUMAR BEHERA	
20	1701219092	AMLANA LENKA	
21	1701219093	ANSHUMAN SETHY	
22	1701219096	SHUBHAM	
23	1701219100	SRIKANTA HARIJAN	
24	1701219176	RANJAN KUMAR DAS	
25	1701219179	AMEET KUMAR SINGH	
26	1701219180	ANUJ KUMAR BISWAL	
27	1701219181	ASISH DAS	
28	1701219182	BARAT SABAR	
29	1701219183	BHESAJA KUMAR PRADHAN	
30	1701219184	BISWAJIT RAY	
31	1701219185	DEEPAK KUMAR DEO	
32	1701219186	GYANA RANJAN SAMAL	
33	1701219187	KAMESHWAR MAJHI	
34	1701219188	KAUSHAL KUMAR SINGH	
35	1701219189	LAKSHMAN BEHERA	
36	1701219190	MANISH TANDIYA	
37	1701219191	NISHIKANTA RATH	
38	1701219192	RANJAN RASHMI PATRA	
39	1701219193	SAMBIT HARICHANDAN	
40	1701219194	SATYAJIT ROUT	

  
**Course Coordinator**  
 (Signature with Seal)



**COLLEGE OF ENGINEERING BHUBANESWAR (COEB)  
ADD-ON COURSE ENROLLMENT SHEET**

  
**PRINCIPAL**  
 College of Engineering Bhubaneswar





ON-LINE MODE

Name of the Department: Department of Mechanical Engineering

Course Title: Boiler Safety

Semester : 7th

Academic Year: 2020-21

Duration: 40 hours

## Student's Declaration/Undertaking

- I do hereby undertake to participate in the above mentioned add on course.
- I do hereby, promise to abide by the admissible rules and regulations, concerning discipline, attendance, etc. of the department, and also to follow the Code of Conduct prescribed for the students of the Institute, as in force from time to time.

Sl. No.	Registration No.	Name of the Student	Remarks by the Course Coordinator
41	1701219195	SIDDHARTHA DEBNATH	<p>Certified that the Enrollment Sheet is prepared by taking the consents of the students to enroll themselves in this Certificate Course (Add-On) to be conducted in Virtual Mode (ON-LINE) during the Pandemic COVID'19 through the link provided by the Department.</p> <p>They have also gone through the declaration/undertaking to be strictly abided by them during the course period.</p>
42	1701219196	SUBHAMSATYA NAYAK	
43	1701219197	SURAJ KUMAR KUNDA	
44	1701219289	SATYABRATA MOHAPATRA	
45	1701219290	HARIPADA SARKAR	
46	1701219291	SATYA PRAKASH BARIK	
47	1701219292	MAHMOODUL HUSSAIN KHAN	
48	1701219293	AASAF KHAN	
49	1701219294	ANIL KUMAR SAMARTHA	
50	1701219295	UMAKANTA JENA	
51	1701219296	JAGAN BEHERA	
52	1701219297	LAKHAI TUDU	
53	1701219298	ABHIJIT DASH	
54	1701219299	RAM CHANDRA MALLICK	
55	1701219300	RAJAT KUMAR SAHOO	
56	1701219301	JITENDRA BEHERA	
57	1701219302	RAJENDRA BISOYI	
58	1701219303	AMIYA KUMAR SETHI	
59	1701219304	ALIP KUMAR NAYAK	
60	1701219305	AMIT KUMAR SAHOO	
61	1701219306	BISWAJIT MALLICK	
62	1701219307	GENGRO PURTY	
63	1701219308	JEEBANJYOTI DASH	
64	1701219309	JIBANJYOTI MOHANTY	
65	1701219310	JITENDRA KUMAR PRADHAN	
66	1701219311	KANHU BEHARA	
67	1701219312	KIRAN KUMAR KAMILA	
68	1701219313	KUBER MAJHI	
69	1701219314	MAMINA BEHERA	
70	1701219315	RASMI RANJAN PANDA	
71	1701219316	SIDHANATH SOREN	
72	1701219317	SUBHRANSU STITAPRAGYAN	
73	1701219318	SUBRAT KUMAR NAYAK	
74	1701219319	SUDHANSU SEKHAR SETHI	
75	1701219320	SUNIL KUMAR SETHY	
76	1701219321	SURAJ KUMAR BARAL	

Course Coordinator  
(Signature with Seal)



PRINCIPAL  
College of Engineering Bhubaneswar



*[Signature]*

PRINCIPAL  
College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR (COEB)



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

ONLINE MODE

Academic Year: 2020-21

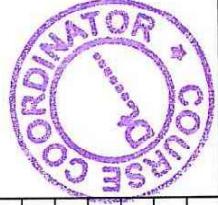
Semester: 7th Sem

Programme: B Tech in MECHANICAL ENGINEERING

Duration: 40 Weeks  
Name of the Course: Boiler Safety

Sl No.	Reg. No.	Name of the Students	Remarks of Course Coordinator (P-Present, A-Absent)												Remarks		
			Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date			
1	1701219001	ASHISH KUMAR MAJHI	14/19	15/19	16/19	17/19	18/19	19/19	20/19	21/19	22/19	23/19	24/19	25/19	26/19	27/19	<p>Certified that this certified course is conducted in virtual mode (ON-LINE) because of the pandemic COVID-19.</p> <p>The attendance is taken with the remarks P-Present and A-Absent for the students.</p>
2	1701219004	BARADA PRASAD ACHARVA	P	P	P	P	P	P	P	P	P	P	P	P	P		
3	1701219009	ASISH KUMAR RANA	P	P	P	P	P	P	P	P	P	P	P	P	P		
4	1701219011	SUDIPTA SUNDAR NAYAK	P	P	P	P	P	P	P	P	P	P	P	P	P		
5	1701219016	ABHAYARAJ PATRA	P	P	P	P	P	P	P	P	P	P	P	P	P		
6	1701219021	AMAN SHARMA	P	P	P	P	P	P	P	P	P	P	P	P	P		
7	1701219024	SATYABRATA SAHOO	P	P	P	P	P	P	P	P	P	P	P	P	P		
8	1701219025	BISWAJIT PATRA	P	P	P	P	P	P	P	P	P	P	P	P	P		
9	1701219026	RAGHUNATH TUDU	P	P	P	P	P	P	P	P	P	P	P	P	P		
10	1701219035	RAJDEEP SENAPATI	P	P	P	P	P	P	P	P	P	P	P	P	P		
11	1701219039	SANJEEV KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P		
12	1701219040	BISWAJIT PANDA	P	P	P	P	P	P	P	P	P	P	P	P	P		
13	1701219045	JAGAMOHAN BAGE	P	P	P	P	P	P	P	P	P	P	P	P	P		
14	1701219057	RAMCHANDRA TUDU	P	P	P	P	P	P	P	P	P	P	P	P	P		
15	1701219061	SANJAY KUMAR MAHANTA	P	P	P	P	P	P	P	P	P	P	P	P	P		
16	1701219068	SAMIR RANJAN NAIK	P	P	P	P	P	P	P	P	P	P	P	P	P		
17	1701219074	SURAJ KUMAR BISWAL	P	P	P	P	P	P	P	P	P	P	P	P	P		
18	1701219084	KESHAV KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P		
19	1701219086	NITISH KUMAR BEHERA	P	P	P	P	P	P	P	P	P	P	P	P	P		
20	1701219092	AMLANA LENKA	P	P	P	P	P	P	P	P	P	P	P	P	P		
21	1701219093	ANSHUMAN SETHY	P	P	P	P	P	P	P	P	P	P	P	P	P		
22	1701219096	SHUBHAM	P	P	P	P	P	P	P	P	P	P	P	P	P		
23	1701219100	SRIKANTA HARJAN	P	P	P	P	P	P	P	P	P	P	P	P	P		
24	1701219176	RANJAN KUMAR DAS	P	P	P	P	P	P	P	P	P	P	P	P	P		
25	1701219179	AMEET KUMAR SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P		
26	1701219180	ANUJ KUMAR BISWAL	P	P	P	P	P	P	P	P	P	P	P	P	P		
27	1701219181	ASISH DAS	P	P	P	P	P	P	P	P	P	P	P	P	P		

*[Signature]*  
Course Coordinator  
(Signature with Seal)



*[Handwritten Signature]*

PRINCIPAL  
College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MECHANICAL ENGINEERING

ONLINE MODE

ADD ON/CERTIFICATE COURSE  
STUDENT ATTENDANCE SHEET

Academic Year: 2020-21

Semester : 7th Sem

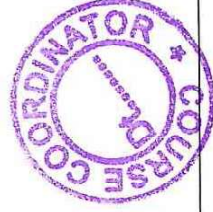
Programme: B Tech in MECHANICAL ENGINEERING

Duration: 40 Weeks

Name of the Course: Boiler Safety

Sl No.	Reg. No.	Name of the Students	Remarks of Course Coordinator (P-Present, A-Absent)												Remarks			
			Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date				
28	1701219182	BARAT SABAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	Certified that this certified course is conducted in virtual mode (ON-LINE) because of the pandemic COVID-19.	
29	1701219183	BHESAJA KUMAR PRADHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	The attendance is taken with the remarks P-Present and A-Absent for the students.
30	1701219184	BISWAJIT RAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
31	1701219185	DEEPAK KUMAR DEO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
32	1701219186	GYANA RANJAN SAMAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
33	1701219187	KAMESHIWAR MAJHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
34	1701219188	KAUSHAL KUMAR SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
35	1701219189	LAKSHMAN BEHERA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
36	1701219190	MANISH TANDIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
37	1701219191	NISHIKANTA RATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
38	1701219192	RANJAN RASHMI PATRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
39	1701219193	SAMBIT HARICHANDAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
40	1701219194	SATYAJIT ROUT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
41	1701219195	SIDDHARTH DEBNATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
42	1701219196	SUBHAMSATYA NAYAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
43	1701219197	SURAJ KUMAR KUNDA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
44	1701219289	SATYABRATA MOHAPATRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
45	1701219290	HARIPADA SARKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
46	1701219291	SATYA PRAKASH BARIK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
47	1701219292	MAHMOODUL HUSSAIN KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
48	1701219293	AASAF KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
49	1701219294	ANIL KUMAR SAMARTHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
50	1701219295	UMAKANTA JENA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
51	1701219296	JAGAN BEHERA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
52	1701219297	LAKHAI TUDU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
53	1701219298	ABHIJIT DASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
54	1701219299	RAM CHANDRA MALLICK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

*[Handwritten Signature]*  
Course Coordinator  
(Signature with Seal)







**COLLEGE OF ENGINEERING BHUBANESWAR (COEB)**

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

ONLINE MODE

Academic Year: 2020-21

Programme: B.Tech in MECHANICAL ENGINEERING		Semester : 7th Sem												Remarks
Duration: 40 Weeks		Name of the Course: Boiler Safety												
Sl No.	Reg. No.	Name of the Students	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
55	1701219300	RAJAT KUMAR SAHOO	P	P	P	P	P	P	P	P	P	P	P	P
56	1701219301	JITENDRA BEHERA	P	P	P	P	P	P	P	P	P	P	P	P
57	1701219302	RAJENDRA BISOYI	P	P	P	P	P	P	P	P	P	P	P	P
58	1701219303	AMIYA KUMAR SETHI	P	P	P	P	P	P	P	P	P	P	P	P
59	1701219304	ALIP KUMAR NAYAK	A	P	P	P	P	P	P	P	P	P	P	P
60	1701219305	AMIT KUMAR SAHOO	P	P	P	P	P	P	P	P	P	P	P	P
61	1701219306	BISWAJIT MALLICK	P	P	P	P	P	P	P	P	P	P	P	P
62	1701219307	GENGRO PURTY	P	P	P	P	P	P	P	P	P	P	P	P
63	1701219308	JEEBANJYOTI DASH	P	P	P	P	P	P	P	P	P	P	P	P
64	1701219309	JIBANJYOTI MOHANTY	P	P	P	P	P	P	P	P	P	P	P	P
65	1701219310	JITENDRA KUMAR PRADHAN	P	A	P	P	P	P	P	P	P	P	P	P
66	1701219311	KANHU BEHARA	A	P	P	P	P	P	P	P	P	P	P	P
67	1701219312	KIRAN KUMAR KAMILA	P	P	P	P	P	P	P	P	P	P	P	P
68	1701219313	KUBER MAJHI	P	P	P	P	P	P	P	P	P	P	P	P
69	1701219314	MAMINA BEHERA	P	P	P	P	P	P	P	P	P	P	P	P
70	1701219315	RASMI RANJAN PANDA	P	P	P	P	P	P	P	P	P	P	P	P
71	1701219316	SIDHANATH SOREN	P	P	P	P	P	P	P	P	P	P	P	P
72	1701219317	SUBHRANSU SITAPRAGYAN	P	P	P	P	P	P	P	P	P	P	P	P
73	1701219318	SUBRAT KUMAR NAYAK	P	P	P	P	P	P	P	P	P	P	P	P
74	1701219319	SUDHANSU SEKHAR SETHI	A	P	P	P	P	P	P	P	P	P	P	P
75	1701219320	SUNIL KUMAR SETHY	P	P	P	P	P	P	P	P	P	P	P	P
76	1701219321	SURAJ KUMAR BARAL	P	P	P	P	P	P	P	P	P	P	P	P

Certified that this certified course is conducted in virtual mode (ON-LINE) because of the pandemic COVID-19.

The attendance is taken with the remarks P-Present and A-Absent for the students.

*[Signature]*  
Course Coordinator  
(Signature with Seal)



*[Signature]*

PRINCIPAL  
College of Engineering Bhubaneswar





*[Handwritten Signature]*

PRINCIPAL  
College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

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

ONLINE MODE

Academic Year: 2020-21

Semester : 7th Sem

Programme: B.Tech in MECHANICAL ENGINEERING

Duration: 40 Weeks

Name of the Course: Boiler Safety

Sl No.	Reg. No.	Name of the Students	Remarks of Course Coordinator (P-Present, A-Absent)														Remarks	
			Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date		
28	1701219182	BARAT SABAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Certified that this certified course is conducted in virtual mode (ON-LINE) because of the pandemic COVID-19.
29	1701219183	BHESAJA KUMAR PRADHAN	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	The attendance is taken with the remarks P-Present and A-Absent for the students.
30	1701219184	BISWAJIT RAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
31	1701219185	DEEPAK KUMAR DEO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
32	1701219186	GYANA RANJAN SAMAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
33	1701219187	KAMESHWAR MAJHI	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
34	1701219188	KAUSHAL KUMAR SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
35	1701219189	LAKSHMAN BEHERA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
36	1701219190	MANISH TANDIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
37	1701219191	NISHIKANTA RATH	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
38	1701219192	RANJAN RASHMI PATRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
39	1701219193	SAMBIT HARICHANDAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
40	1701219194	SATYAJIT ROUT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
41	1701219195	SIDDHARTHA DEBNATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
42	1701219196	SUBHAMSATYA NAYAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
43	1701219197	SURAJ KUMAR KUNDA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
44	1701219289	SATYABRATA MOHAPATRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
45	1701219290	HARIPADA SARKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
46	1701219291	SATYA PRAKASH BARIK	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
47	1701219292	MAHMOODUL HUSSAIN KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
48	1701219293	AASAF KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
49	1701219294	ANIL KUMAR SAMARTHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
50	1701219295	UMAKANTA JENA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
51	1701219296	JAGAN BEHERA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
52	1701219297	LAKHAI TUDU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
53	1701219298	ABHIJIT DASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
54	1701219299	RAM CHANDRA MALLICK	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

*[Handwritten Signature]*  
Course Coordinator  
(Signature with Seal)








**COLLEGE OF ENGINEERING BHUBANESWAR (COEB)**

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

ONLINE MODE

Academic Year: 2020-21

Programme: B.Tech in MECHANICAL ENGINEERING		Semester : 7th Sem																
Duration: 40 HOURS		Name of the Course: Boiler Safety																
Sl No.	Reg. No.	Name of the Students	Remarks of Course Coordinator (P-Present, A-Absent)												Remarks			
			Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date		Date		
55	1701219300	RAJAT KUMAR SAHOO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	Certified that this certified course is conducted in virtual mode (ON-LINE) because of the pandemic COVID-19.
56	1701219301	JITENDRA BEHERA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	The attendance is taken with the remarks P-Present and A-Absent for the students.
57	1701219302	RAJENDRA BISOYI	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
58	1701219303	AMIYA KUMAR SETHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
59	1701219304	ALIP KUMAR NAYAK	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
60	1701219305	AMIT KUMAR SAHOO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
61	1701219306	BISWAJIT MALLICK	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	
62	1701219307	GENGRO PURTY	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
63	1701219308	JEEBANJYOTI DASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
64	1701219309	JIBANJYOTI MOHANTY	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
65	1701219310	JITENDRA KUMAR PRADHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
66	1701219311	KANHU BEHARA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
67	1701219312	KIRAN KUMAR KAMILA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	
68	1701219313	KUBER MAJHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
69	1701219314	MAMINA BEHERA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
70	1701219315	RASMI RANJAN PANDA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
71	1701219316	SIDHANATH SOREN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
72	1701219317	SUBHRANSU SITAPRAGYAN	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	
73	1701219318	SUBRAT KUMAR NAYAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
74	1701219319	SUDHANSU SEKHAR SETHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
75	1701219320	SUNIL KUMAR SETHY	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	
76	1701219321	SURAJ KUMAR BARAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
			A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

  
 Course Coordinator  
 (Signature with Seal)

  
 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. RANJAN KUMAR DAS, student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1701219176

has successfully completed the ADD-ON Course titled Boiler Safety

conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

**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. AMEET KUMAR SINGH student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1701219179

has successfully completed the ADD-ON Course titled Boiler Safety

conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

**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. ANUJ KUMAR BISWAL, student of the Department


of Mechanical Engg. semester Seventh bearing registration number 1701219180

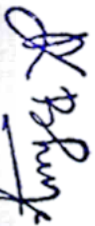
has successfully completed the ADD-ON Course titled Boiler Safety

conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

**TRUE COPY**

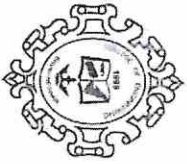
  
Course-Coordinator

  
Principal

  
PRINCIPAL  
College of Engineering Bhubaneswar

5/1/21





**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. ASISH DAS student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1701219181

has successfully completed the ADD-ON Course titled Boiler Safety

conducted at College of Engineering Bhubaneswar in the academic year 2020-21

**TRUE COPY**

Course-Coordinator

Principal

PRINCIPAL

College of Engineering Bhubaneswar

ASITE



**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. BARAT SABAR, student of the Department

of Mechanical Engg. semester Seventh bearing registration number 1701219182

has successfully completed the ADD-ON Course titled Boiler Safety

conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

**TRUE COPY**

Course-Coordinator

Principal

PRINCIPAL  
 College of Engineering Bhubaneswar