



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 ELECTRICAL ENGINEERING

ADD-ON COURSE : Fundamentals of Domestic Appliances

[Programme: B.Tech, EEE/EE]

Course Objectives:

This course offers an introduction to the operation, maintenance, and safety considerations of common domestic appliances found in households. Students will gain an understanding of how these appliances work and how to troubleshoot basic issues.

SYLLABUS

Total Lecture Hours : 38

MODULE-I Introduction to Domestic & kitchen Appliances [10 Hours]

Definition and types of domestic appliances, Historical perspective and evolution, Importance of energy efficiency and safety, Refrigerators and freezers, Ovens and ranges, Microwaves and toasters, Dishwashers and garbage disposals

MODULE-II Laundry Appliances & Home Comfort Appliances [09 Hours]

Washing machines and dryers, Basic laundry care and maintenance, Energy-efficient laundry practices, Air conditioners and heaters, Humidifiers and dehumidifiers, Fans and space heaters, Thermostats and smart home technology

MODULE-III Cleaning & Personal Care Appliances [09 Hours]

Vacuum cleaners and carpet cleaners, Maintenance and filter replacement, Robot vacuum cleaners and smart cleaning devices, Hair dryers and curling irons, Electric toothbrushes and shavers, Safety considerations for personal care appliances

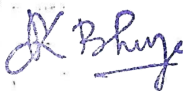
MODULE-IV Entertainment and Electronics Appliance Safety and Maintenance [10 Hours]

Televisions and audio systems, Gaming consoles and streaming devices, Energy-efficient usage and troubleshooting, Safety guidelines for using domestic appliances, Preventative maintenance tips, Troubleshooting common issues, Repair vs. replacement considerations

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

CO1: Identify and understand the principles of operation for various domestic appliances.

CO2: Perform basic maintenance and troubleshooting tasks for common household appliances.


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- CO3: Evaluate the energy efficiency and safety features of appliances.
CO4: Make informed decisions regarding appliance purchases and usage.

Evaluation Process:

1. Attendance for the course is 75%, which is mandatory.
2. Minimum qualifying marks percentage for the course is 50.
3. Certificate will be issued after successful completion of course and assessment processes.

Learning resources:

Suggested Books:


1. "Home Appliance Maintenance and Repair" by Brian P. Wood
2. "Handbook Of Repair And Maintenance Of Domestic Electronics Appliances" by Shashi Bhushan Sinha


Other Sources:


e-Learning Resources:

<https://home.howstuffworks.com/how-to-repair-small-appliances.htm>

Design and Developed by: Dr. N.Veda Kumar & Prof. Debarpita Roul


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NOTICE

Department of Electrical Engineering Add On Course 2020-2021

Ref No: COEB/EE/2020/06

Date: 18.08.2020

It is hereby informed to all the students that the Department of Electrical Engineering is going to start the following Add-on courses for Academic year 2020-2021 in ON_LINE Mode. All the students are instructed to enroll their names for the following courses on or before 12/09/2020. The classes will be commenced from 14/09/2020, 5.30pm to 7.30pm. You can contact the following course co-ordinators for enrolment and further queries.

Sl. No.	Name of Add-on Course	Sem	Duration in hours	Name of the course co-ordinators
1	Fundamentals of Domestic Appliances	3 rd	38	Dr. P Jagannatham, Assistant Professor
2	Applied System Theory	5 th	40	Anshuman Nayak, Assistant Professor.
3	Mastering MATLAB through guided problem solving	7 th	40	Dr. Prakash Chandra Sahu, Assistant Professor

HOD

Electrical Engineering Department

HOD

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

STUDENT ENROLLMENT SHEET

Name of the Department: ELECTRICAL ENGINEERING

Course Title: Fundamentals of Domestic Appliances

Semester : 3rd

Academic Year: 2020-21

Student's Declaration/Undertaking

1. I do hereby undertake to participate in the above mentioned add on course.
2. 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	Signature of the Student
1	1901219116	JEEVANRAM HANSDAH	
2	1901219117	NIKHHIL EDISON SAMADA	
3	1901219118	PRABIN KUMAR BEHERA	
4	1901219119	RABINDRA KUMAR PURTY	
5	1901219120	SAGARIKA PRADHAN	
6	1901219121	SIPUN KUMAR PATRA	
7	1901219122	SONALI MURMU	
8	1901219123	SUVENDU KUMAR ROUT	
9	1901219231	ABINASH PATTANAYAK	
10	1901219232	BISWANATH ROUT	
11	1901219233	CHANDRA SEKHAR PRUSTY	
12	1901219234	GURU CHARAN MOHANTA	
13	1901219235	GYANARANJAN DALAI	
14	1901219236	PRAFULLA KUMAR CHAMPIA	
15	1901219237	PRIYANKA PATRA	
16	1901219238	RAMAN KUMAR PATRA	
17	1901219239	RASHMI HEMBRAM	
18	1901219240	RUTURAJ NAYAK	
19	1901219241	SATYA NARAYAN DASH	
20	1901219242	SATYABRATA SAHOO	
21	1901219243	SHAKTIBHUSAN MISHRA	
22	1901219245	SHEKHAR PRAHARAJ	
23	1901219246	SIPUN NAIK	
24	1901219247	SITAKANTA PANDA	
25	1901219248	SMITA DAS	
26	1901219249	SUBHRANSU SEKHAR DAS	
27	1901219250	SUDHANSHU SEKHAR BEHERA	
28	1901219251	SUNIL CHAMPIA	
29	1901219252	SUVAM PATTNAIK	
30	1901219253	PABITRA BADAJENA	




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DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON / CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 03(a)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Duration : 5:30 pm - 7:30 pm

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 25/09/20	Date: 28/09/20	Date: 29/09/20	Date: 30/09/20
1	1901219116	JEEVANRAM HANSDAH	P	P	P	A
2	1901219117	NIKHIL EDISON SAMADA	P	P	P	P
3	1901219118	PRAVIN KUMAR BEHERA	P	P	P	P
4	1901219119	RABINDRA KUMAR PURTY	P	P	P	P
5	1901219120	SAGARIKA PRADHAN	P	P	P	P
6	1901219121	SIPUN KUMAR PATRA	P	P	P	P
7	1901219122	SONALI MURMU	P	P	P	P
8	1901219123	SUVENDU KUMAR ROUT	P	P	P	P
9	1901219231	ABINASH PATTANAYAK	P	P	A	P
10	1901219232	BISWANATH ROUT	P	P	P	P
11	1901219233	CHANDRA SEKHAR PRUSTY	P	P	P	P
12	1901219234	GURU CHARAN MOHANTA	P	P	P	P
13	1901219235	GYANARANJAN DALAI	P	P	P	P
14	1901219236	PRAFULLA KUMAR CHAMPILA	P	P	P	P
15	1901219237	PRIVANKA PATRA	P	P	P	P
16	1901219238	RAMAN KUMAR PATRA	P	P	P	P
17	1901219239	RASHMI HEMBRAM	P	P	P	P
18	1901219240	RUTURAJ NAVAK	P	P	P	P
19	1901219241	SATIYA NARAYAN DASH	P	A	P	P
20	1901219242	SATYABRATA SAHOO	P	P	P	A

Signature of the Course Coordinator

Signature

Signature

Signature

Signature

Signature of Principal

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 01(a)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Duration : 5:30PM - 7:30PM

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 14/09/20	Date: 15/09/20	Date: 16/09/20	Date: 18/09/20
1	1901219116	JEVYANRAM HANSDAH	P	P	P	P
2	1901219117	NIKHIL EDISON SAMADA	P	P	P	P
3	1901219118	PBABIN KUMAR BEHERA	P	P	P	P
4	1901219119	RABINDRA KUMAR PURTY	P	P	P	P
5	1901219120	SAGARIKA PRADHAN	P	P	P	P
6	1901219121	SIPUN KUMAR PATRA	P	P	P	P
7	1901219122	SONALI MURMU	P	P	P	P
8	1901219123	SUVENDU KUMAR ROUT	P	P	P	P
9	1901219231	ABINASH PATTANAYAK	P	A	P	P
10	1901219232	BISWANATH ROUT	P	P	A	P
11	1901219233	CHANDRA SEKHAR PRUSTY	P	P	P	A
12	1901219234	GURU CHARAN MOHANTA	P	P	P	P
13	1901219235	GYANARANJAN DALAI	P	P	P	P
14	1901219236	PRAFULLA KUMAR CHAMPRA	P	P	P	P
15	1901219237	PRIVANKA PATRA	P	P	A	P
16	1901219238	RAMAN KUMAR PATRA	P	P	P	P
17	1901219239	RASHMI HEMBRAM	P	P	P	P
18	1901219240	RUTURAJ NAYAK	P	P	P	P
19	1901219241	SATIYA NARAYAN DASH	P	P	P	P
20	1901219242	SATYABRATA SAHOO	P	P	P	P

Signature of the Course Coordinator

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 0166

Programme: **B.Tech in Electrical Engineering**

Semester: **3rd**

Academic Year: **2020-21**

Name of the Course: **Fundamentals of Domestic Appliances**

Course Code (if any):

Duration : **5:30pm - 7:30 pm**

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 14/09/20	Date: 15/09/20	Date: 16/09/20	Date: 18/09/20
21	1901219243	SHAKTIBHUSAN MISHRA	P	P	P	A
22	1901219245	SHEKHAR PRAHARAJ	P	P	P	P
23	1901219246	SIPUN NAIK	P	P	P	P
24	1901219247	SITAKANTA PANDA	P	P	P	P
25	1901219248	SMITA DAS	P	A	P	P
26	1901219249	SUBHRANSU SEKHAR DAS	P	P	P	P
27	1901219250	SUDHANSHU SEKHAR BEHERA	P	P	A	P
28	1901219251	SUNIL CHAMPPIA	P	P	P	P
29	1901219252	SUVAM PATTNAIK	A	P	P	P
30	1901219253	PABITRA BADAJENA	P	P	A	P
Signature of the Course Coordinator			<i>P. S. Goud</i>	<i>P. S. Goud</i>	<i>P. S. Goud</i>	<i>P. S. Goud</i>

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DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 02(a)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Duration : 5:30pm - 7:30pm

Date & Signature of the Student

SL NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 21/09/20	Date: 22/09/20	Date: 23/09/20	Date: 24/09/20
1	1901219116	JEEVANRAM HANSDAH	P	P	P	P
2	1901219117	NIKHIL EDISON SAMADA	P	P	P	P
3	1901219118	PRAVIN KUMAR BEHERA	P	P	P	P
4	1901219119	RABINDRA KUMAR PURTY	P	P	P	P
5	1901219120	SAGARIKA PRADHAN	P	P	P	P
6	1901219121	SIPUN KUMAR PATRA	P	P	P	A
7	1901219122	SONALI MURMU	P	P	A	P
8	1901219123	SUVENDU KUMAR ROU	P	P	P	P
9	1901219231	ABINASH PATTANAYAK	P	P	P	P
10	1901219232	BISWANATH ROU	P	P	P	P
11	1901219233	CHANDRA SEKHAR PRUSTY	P	P	P	P
12	1901219234	GURU CHARAN MOHANTA	P	P	P	P
13	1901219235	GYANARANJAN DALAI	P	P	P	P
14	1901219236	PRAFULLA KUMAR CHAMPRA	P	P	P	P
15	1901219237	PRIVANKA PATRA	P	P	P	P
16	1901219238	RAMAN KUMAR PATRA	P	P	P	P
17	1901219239	RASHMI HEMBRAM	P	A	P	P
18	1901219240	RUTURAJ NAYAK	P	P	P	P
19	1901219241	SATYA NARAYAN DASH	P	P	P	P
20	1901219242	SATYABRATA SAHOO	P	P	P	P

Signature of the Course Coordinator

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON / CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 02 (b)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Duration : 5:30pm - 7:30pm

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 21/09/20	Date: 22/09/20	Date: 23/09/20	Date: 24/09/20
21	1901219243	SHAKTIBHUSAN MISHRA	P	P	P	P
22	1901219245	SHEKHAR PRAHARAU	P	P	P	P
23	1901219246	SIPUN NAIK	P	P	P	P
24	1901219247	SITAKANTA PANDA	P	P	P	P
25	1901219248	SMITA DAS	P	P	P	P
26	1901219249	SUBHRANSU SEKHAR DAS	P	P	P	P
27	1901219250	SUDHANSHU SEKHAR BEHERA	P	P	P	P
28	1901219251	SUNIL CHAMPRA	P	P	P	P
29	1901219252	SUVAM PATTNAIK	P	P	P	P
30	1901219253	PABITRA BADAJENA	A	P	P	P
Signature of the Course Coordinator			P	P	P	P

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 03 (b)

Programme: **B.Tech in Electrical Engineering**

Semester: **3rd**

Academic Year: **2020-21**

Name of the Course: **Fundamentals of Domestic Appliances**

Course Code (if any):

Duration : **5:30pm - 7:30pm**

Date & Signature of the Student

Sl. No.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 25/09/20	Date: 28/09/20	Date: 29/09/20	Date: 30/09/20
21	1901219243	SHAKTIBHUSAN MISHRA	P	P	P	P
22	1901219245	SHEKHAR PRAHARAU	P	P	P	P
23	1901219246	SIPUN NAIK	P	P	P	P
24	1901219247	SITAKANTA PANDA	P	P	P	P
25	1901219248	SMITA DAS	P	P	P	P
26	1901219249	SUBHRANSU SEKHAR DAS	P	P	P	P
27	1901219250	SUDHANSHU SEKHAR BEHERA	P	P	P	P
28	1901219251	SUNIL CHAMPPIA	P	P	P	P
29	1901219252	SUVAM PATTNAIK	P	P	P	P
30	1901219253	PABITRA BADAJENA	P	P	P	P
Signature of the Course Coordinator			P. B. Singh	P. B. Singh	P. B. Singh	P. B. Singh

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON / CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 04(a)

Programme: **B.Tech in Electrical Engineering**

Semester: **3rd**

Academic Year: **2020-21**

Name of the Course: **Fundamentals of Domestic Appliances**

Course Code (if any):

Duration : **5:30pm - 7:30pm**

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 05/10/20	Date: 06/10/20	Date: 07/10/20	Date: 08/10/20
1	1901219116	JEEVANRAM HANSDAH	P	P	P	P
2	1901219117	NIKHIL EDISON SAMADA	P	P	P	P
3	1901219118	PRAVIN KUMAR BEHERA	P	P	P	P
4	1901219119	RABINDRA KUMAR PURTY	P	P	P	P
5	1901219120	SAGARIKA PRADHAN	P	P	P	A
6	1901219121	SIPUN KUMAR PATRA	P	P	P	P
7	1901219122	SONALI MURMU	P	P	P	P
8	1901219123	SUVENDU KUMAR ROUT	P	P	P	P
9	1901219231	ABINASH PATTANAYAK	P	P	P	P
10	1901219232	BISWANATH ROUT	P	P	P	P
11	1901219233	CHANDRA SEKHAR PRUSTY	P	P	P	P
12	1901219234	GURU CHARAN MOHANTA	P	P	P	P
13	1901219235	GYANARANJAN DALAI	P	P	P	P
14	1901219236	PRAFULLA KUMAR CHAMPRA	P	P	P	P
15	1901219237	PRIVANKA PATRA	A	P	P	P
16	1901219238	RAMAN KUMAR PATRA	P	A	P	P
17	1901219239	RASHMI HEMBRAM	P	P	P	P
18	1901219240	RUTURAJ NAYAK	P	P	P	P
19	1901219241	SATIYA NARAYAN DASH	P	P	P	P
20	1901219242	SATYABRATA SAHOO	P	P	P	A

Signature of the Course Coordinator

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

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DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 04(b)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Duration : 5:30 pm - 7:30 pm,

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 05/10/20	Date: 06/10/20	Date: 07/10/20	Date: 08/10/20
21	1901219243	SHAKTIBHUSAN MISHRA	P	P	P	P
22	1901219245	SHEKHAR PRAHARAJ	P	P	P	P
23	1901219246	SIPUN NAIK	P	P	P	P
24	1901219247	STAKANTA PANDA	P	P	P	P
25	1901219248	SMITA DAS	P	P	P	P
26	1901219249	SUBHRANSU SEKHAR DAS	P	P	P	P
27	1901219250	SUDHANSHU SEKHAR BEHERA	P	P	P	P
28	1901219251	SUNIL CHAMPRA	P	P	P	P
29	1901219252	SUVAM PATNAIK	A	P	A	P
30	1901219253	PABITRA BADAJENA	P	P	P	P
Signature of the Course Coordinator			P. Sogal	P. Sogal	P. Sogal	P. Sogal

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 05(a)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Duration : 5:30pm - 7:30pm.

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 09/10/20	Date: 12/10/20	Date: 13/10/20	Date:
1	1901219116	JEEVANRAM HANSDAH	P	P	P	
2	1901219117	NIKHIL EDISON SAMADA	P	P	P	
3	1901219118	PRABIN KUMAR BEHERA	P	P	P	
4	1901219119	RABINDRA KUMAR PURTY	P	A	P	
5	1901219120	SAGARIKA PRADHAN	P	P	P	
6	1901219121	SIPUN KUMAR PATRA	P	P	A	
7	1901219122	SONALI MURMU	P	P	P	
8	1901219123	SUVENDU KUMAR ROUT	P	P	P	
9	1901219231	ABINASH PATTANAYAK	P	P	P	
10	1901219232	BISWANATH ROUT	P	P	P	
11	1901219233	CHANDRA SEKHAR PRUSTY	P	P	P	
12	1901219234	GURU CHARAN MOHANTA	P	P	P	
13	1901219235	GYANARANJAN DALAI	P	P	P	
14	1901219236	PRAFULLA KUMAR CHAMPIA	P	A	P	
15	1901219237	PRYANKA PATRA	P	P	P	
16	1901219238	RAMAN KUMAR PATRA	P	P	P	
17	1901219239	RASHMI HEMBRAM	P	P	P	
18	1901219240	RUTURAJ NAVAK	P	P	P	
19	1901219241	SATYA NARAYAN DASH	P	P	A	
20	1901219242	SATYABRATA SAHOO	P	P	P	

Signature of the Course Coordinator

P. Sahoo

P. Sahoo

P. Sahoo

K. Bhui

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DEPARTMENT OF ELECTRICAL ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 0562

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Duration : 5:30pm-7:30pm,

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 09/10/20	Date: 12/10/20	Date: 13/10/20	Date:
21	1901219243	SHAKTIBHUSAN MISHRA	P	P	P	
22	1901219245	SHEKHAR PRAHARAU	P	P	P	
23	1901219246	SIPUN NAIK	P	P	P	
24	1901219247	SITAKANTA PANDA	P	P	A	
25	1901219248	SMITA DAS	P	A	P	
26	1901219249	SUBHRANSU SEKHAR DAS	P	P	P	
27	1901219250	SUDHANSHU SEKHAR BEHERA	P	P	P	
28	1901219251	SUNIL CHAMPPIA	A	P	P	
29	1901219252	SUVAM PATNAIK	P	P	P	
30	1901219253	PABITRA BADAJENA	P	P	P	
Signature of the Course Coordinator			P Singh	P Singh	P Singh	P Singh

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Certificate of Completion

This is to certify that Mr./Ms. JEEVANRAM HANSDAH, student of the Department

of Electrical Engg. semester Third bearing registration number 1901219116

has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances

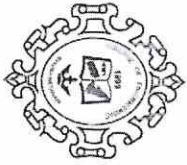
conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

TRUE COPY

Course-Coordinator

Principal

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COLLEGE OF ENGINEERING BHUBANESWAR
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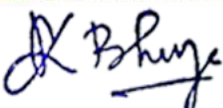
Certificate of Completion

This is to certify that Mr./Ms. NIKHIL EDISON SAMADA, student of the Department
of Electrical Engg. semester Third bearing registration number 1901219117
has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances
conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

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Course-Coordinator


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Certificate of Completion

This is to certify that Mr./Ms. PRABIN KUMAR BEHERA, student of the Department
of Electrical Engg. semester Third bearing registration number 1901219118
has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances
conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

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Course-Coordinator



Principal



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Certificate of Completion

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

of Electrical Engg. semester Third bearing registration number 1901219120

has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances

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

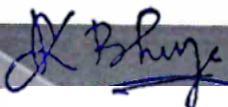
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Course-Coordinator



Principal



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Certificate of Completion

This is to certify that Mr./Ms. SIPUN KUMAR PATRA, student of the Department
of Electrical Engg. semester Third bearing registration number 1901219121
has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances
conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

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[Signature]
Course-Coordinator

[Signature]
Principal

[Signature]

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ADD-ON COURSE

STUDENT ENROLLMENT SHEET

Name of the Department: ELECTRICAL AND ELECTRONICS ENGINEERING

Course Title: Fundamentals of Domestic Appliances

Semester : 3rd

Academic Year: 2020-21

Student's Declaration/Undertaking

1. I do hereby undertake to participate in the above mentioned add on course.
2. 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	Signature of the Student
1	1901219113	ABHISEK SAMAL	
2	1901219114	SAHAJAMAL SK	
3	1901219223	AMARNATH SHARMA	
4	1901219224	BIKASH PRADHAN	
5	1901219225	BISWOMBAR MALIK	
6	1901219226	KAILASH PATI SWAIN	
7	1901219227	SAKTIKANTA SAHOO	
8	1901219228	SUDIP DAS	
9	1901219229	SURAJ MANDAL	
10	1901219230	TAPAN KUMAR SAHOO	



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COLLEGE OF ENGL JERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 02

Programme: B.Tech in Electrical and Electronics Engineering


Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

SL. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1901219113	ABHISEK SAMAL	Date: 21/09/20	P	Date: 22/09/20	P	Date: 23/09/20	P	Date: 24/09/20	A
2	1901219114	SAHAJAMAL SK	P	P	P	P	P	P	P	
3	1901219223	AMARNATH SHARMA	P	P	P	P	P	P	P	
4	1901219224	BIKASH PRADHAN	P	P	P	P	P	P	P	
5	1901219225	BISWOMBAR MALIK	A	P	P	P	P	P	P	
6	1901219226	KAILASH PATI SWAIN	P	P	P	P	P	P	P	
7	1901219227	SAKTIKANTA SAHOO	P	P	P	P	P	P	P	
8	1901219228	SUDIP DAS	P	P	P	P	P	P	P	
9	1901219229	SURAJ MANDAL	P	P	P	P	P	P	P	
10	1901219230	TAPAN KUMAR SAHOO	P	P	P	P	P	P	P	
Signature of the Course Coordinator			P	P	P	P	P	P	P	


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COLLEGE OF ENGL. BUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 03

Programme: **B. Tech in Electrical and Electronics Engineering**


Semester: **3rd**

Academic Year: **2020-21**

Name of the Course: **Fundamentals of Domestic Appliances**

Course Code (if any):

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1901219113	ABHISEK SAMAL	Date: 25/09/20	P	Date: 28/09/20	P	Date: 29/09/20	A	Date: 30/09/20	P
2	1901219114	SAHAJAMAL SK	P	P	P	P	P	P	P	
3	1901219223	AMARNATH SHARMA	P	P	P	P	P	P	P	
4	1901219224	BIKASH PRADHAN	P	P	P	P	P	P	P	
5	1901219225	BISWOMBAR MALIK	A	P	P	P	P	P	P	
6	1901219226	KAILASH PATI SWAIN	P	P	P	P	P	P	P	
7	1901219227	SAKTIKANTA SAHOO	P	P	P	P	P	P	P	
8	1901219228	SUDIP DAS	P	P	P	P	P	A	P	
9	1901219229	SURAJ MANDAL	P	P	P	P	P	P	P	
10	1901219230	TAPAN KUMAR SAHOO	P	P	P	P	P	P	P	
Signature of the Course Coordinator			P	P	P	P	P	P	P	


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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ADD ON /CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 04

Programme: **B.Tech in Electrical and Electronics Engineering**

Semester: **3rd**

Academic Year: **2020-21**

Name of the Course: **Fundamentals of Domestic Appliances**

Course Code (if any):

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student			
			Date:	Date:	Date:	Date:
1	1901219113	ABHISEK SAMAL	P	P	P	P
2	1901219114	SAHAJAMAL SK	P	P	P	P
3	1901219223	AMARNATH SHARMA	P	P	P	P
4	1901219224	BIKASH PRADHAN	P	P	P	P
5	1901219225	BISWOMBAR MALIK	P	A	A	P
6	1901219226	KAILASH PATI SWAIN	P	P	P	P
7	1901219227	SAKTIKANTA SAHOO	P	P	P	P
8	1901219228	SUDIP DAS	P	P	P	A
9	1901219229	SURAJ MANDAL	P	P	P	P
10	1901219230	TAPAN KUMAR SAHOO	A	P	P	P
Signature of the Course Coordinator			<i>P. Sahoo</i>	<i>P. Sahoo</i>	<i>P. Sahoo</i>	<i>P. Sahoo</i>

P. Sahoo
PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGL. BERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 05

Programme: **B.Tech in Electrical and Electronics Engineering**

Semester: **3rd**

Academic Year: **2020-21**

Name of the Course: **Fundamentals of Domestic Appliances**

Course Code (if any):

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student			
			Date:	Date:	Date:	Date:
1	1901219113	ABHISEK SAMAL	P	P		
2	1901219114	SAHAJAMAL SK	P	P	P	
3	1901219223	AMARNATH SHARMA	P	P	P	
4	1901219224	BIKASH PRADHAN	P	A	P	
5	1901219225	BISWOMBAR MALIK	P	P	P	
6	1901219226	KAILASH PATI SWAIN	A	P	P	
7	1901219227	SAKTIKANTA SAHOO	P	P	P	
8	1901219228	SUDIP DAS	P	P	P	
9	1901219229	SURAJ MANDAL	P	P	P	
10	1901219230	TAPAN KUMAR SAHOO	P	P	P	
Signature of the Course Coordinator			<i>Prasad</i>	<i>Prasad</i>	<i>Prasad</i>	

K. Bhuje
PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ADD ON / CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 01

Programme: **B.Tech in Electrical and Electronics Engineering**


Semester: **3rd**

Academic Year: **2020-21**

Name of the Course: **Fundamentals of Domestic Appliances**

Course Code (if any):

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1901219113	ABHISEK SAMMAL	Date: 14/09/20	P	Date: 15/09/20	P	Date: 16/09/20	P	Date: 18/09/20	A
2	1901219114	SAHAJAMAL SK	P	P	P	P	P	P	P	
3	1901219223	AMARNATH SHARMA	P	P	P	P	P	P	P	
4	1901219224	BIKASH PRADHAN	P	P	P	P	P	P	P	
5	1901219225	BISWOMBAR MALIK	P	P	P	P	P	P	P	
6	1901219226	KAILASH PATI SWAIN	P	P	P	P	P	P	P	
7	1901219227	SAKTIKANTA SAHOO	P	P	P	P	P	P	P	
8	1901219228	SUDIP DAS	P	P	P	P	P	P	P	
9	1901219229	SURAJ MANDAL	P	P	P	P	P	P	P	
10	1901219230	TAPAN KUMAR SAHOO	P	P	P	P	P	P	P	
Signature of the Course Coordinator			P	P	P	P	P	P	P	


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Certificate of Completion

This is to certify that Mr./Ms. ABHISEK SAMAL, student of the Department

of Electrical & Electronics Engg. semester Third bearing registration number 1901219113

has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances

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

[Signature]

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 College of Engineering Bhubaneswar

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[Signature]

Course-Coordinator

[Signature]

Principal



COLLEGE OF ENGINEERING BHUBANESWAR
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Certificate of Completion

This is to certify that Mr./Ms. SAHAJAMAL SK, student of the Department

of Electrical & Electronics Engg. semester Third bearing registration number 1901219114

has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances

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

[Signature]

PRINCIPAL
 College of Engineering Bhubaneswar

[Signature]

Course-Coordinator

Principal

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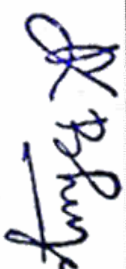
Certificate of Completion

This is to certify that Mr./Ms. AMARNATH SHARMA student of the Department

of Electrical & Electronics Engg. semester Third bearing registration number 1901219223

has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances

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



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Course-Coordinator



Principal



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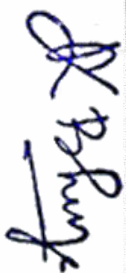
Certificate of Completion

This is to certify that Mr./Ms. BISWOMBAR MALIK student of the Department

of Electrical & Electronics Engg. semester Third bearing registration number 1901219225

has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances

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



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Certificate of Completion

This is to certify that Mr./Ms. KAILASHPATI SWAIN, student of the Department

of Electrical & Electronics Engg. semester Third bearing registration number 1901219226

has successfully completed the ADD-ON Course titled Fundamentals of Domestic Appliances

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



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Principal