



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

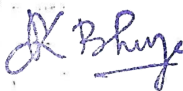
MODULE-IV Entertainment and Electronics Appliance Safety and Maintenance [10 Hours]

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 2018-2019

Ref No: COEB/EE/2018/05

Date: 04.07.2018

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 2018-2019. All the students are instructed to enroll their names for the following courses on or before 13.07.2018. The classes will be commenced from **16.07.2018** from 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	Tanushree Mishra, Assistant Professor
2	Applied System Theory	5 th	40	Gopal Krishna Mohanty, Assistant Professor.
3	Mastering MATLAB through guided problem solving	7 th	40	Dr. P Jagannatham, Assistant Professor


HOD

Electrical Engineering Department

HOD

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Copy to:

1. Principal
2. All Notice Board.
3. A.O(Admin)
4. All HODs
5. Hostel, Security



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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: 2018-19

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	1701219022	JYOTIPRAKASH DAS	Jyoti Prakash Das
2	1701219031	ASHUTOSH MISHRA	Ashutosh Mishra
3	1701219169	PRIYE RANJAN KUMAR	Priya Ranjan Kumar
4	1701219170	SURAJ KANT KUMAR	Suraj Kant Kumar
5	1701219277	SUBHASHMITA SAHOO	Subhasmita Sahoo
6	1701219278	SUVAKANTA DHALASAMANTA	Suvakanta Dhalasamanta
7	1701219279	SATYABRATA AMRUT RANJAN	Satyabrata Amrut Ranjan
8	1701219280	TUNA BEHERA	Tuna Behera
9	1701219281	SARTHAK KUMAR JENA	Sarthak Kumar Jena
10	1701219282	SONAM NAYAK	Sonam Nayak
11	1701219283	SUBHASHREE BEHERA	Subhashree Behera




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

Sheet No. 05

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

Semester: **3rd**

Academic Year: **2018-19**

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

Course Code (if any):

Duration : (5.30-7.30) Pm

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date:	Signature	Date:	Signature	Date:	Signature
1	1701219022	JYOTIPRAKASH DAS	09/08/18	Jyotiprakash Das	10/08/18	Jyotiprakash Das	13/08/18	Jyotiprakash Das
2	1701219031	ASHUTOSH MISHRA	09/08/18	Ashutosh Mishra	10/08/18	Ashutosh Mishra	13/08/18	Ashutosh Mishra
3	1701219169	PRIYE RANJAN KUMAR	09/08/18	Priyanka Ranjan Kumar	10/08/18	Priyanka Ranjan Kumar	13/08/18	Priyanka Ranjan Kumar
4	1701219170	SURAJ KANT KUMAR	09/08/18	Sury Kant Kumar	10/08/18	Sury Kant Kumar	13/08/18	Sury Kant Kumar
5	1701219277	SUBHASHMITA SAHOO	09/08/18	Subhasmita Sahoo	10/08/18	Subhasmita Sahoo	13/08/18	Subhasmita Sahoo
6	1701219278	SUVAKANITA DHALASAMANTA	09/08/18	Suvakanta Dhalasanta	10/08/18	Suvakanta Dhalasanta	13/08/18	Suvakanta Dhalasanta
7	1701219279	SATYABRATA AMRUT RANJAN	09/08/18	Satyabrata Amrut Ranjan	10/08/18	Satyabrata Amrut Ranjan	13/08/18	Satyabrata Amrut Ranjan
8	1701219280	TUNA BEHERA	09/08/18	Tuna Behera	10/08/18	Tuna Behera	13/08/18	Tuna Behera
9	1701219281	SARTHAK KUMAR JENA	09/08/18	Sarthak Kumar Jena	10/08/18	Sarthak Kumar Jena	13/08/18	Sarthak Kumar Jena
10	1701219282	SONAM NAYAK	09/08/18	Sonam Nayak	10/08/18	Sonam Nayak	13/08/18	Sonam Nayak
11	1701219283	SUBHASHREE BEHERA	09/08/18	Subhasree Behera	10/08/18	Subhasree Behera	13/08/18	Subhasree Behera

Signature of the Course Coordinator

Mishra

Mishra

Mishra



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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. JYOTIPRAKASH DAS, student of the Department

of Electrical Engg. semester Third bearing registration number 1701219022

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

conducted at College of Engineering Bhubaneswar in the academic year 2018-19.

TRUE COPY

J Mishra

Course-Coordinator

[Signature]

Principal

[Signature]

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Certificate of Completion

This is to certify that Mr./Ms. ASHUTOSH MISHRA, student of the Department

of Electrical Engg. semester Third bearing registration number 1701219031

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

conducted at College of Engineering Bhubaneswar in the academic year 2018-19.

TRUE COPY

J Mishra

Course-Coordinator

[Signature]

Principal

[Signature]

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Certificate of Completion

This is to certify that Mr./Ms. SURAJ KANT KUMAR, student of the Department

of Electrical Engg. semester Third bearing registration number 1701219170

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

conducted at College of Engineering Bhubaneswar in the academic year 2018-19.

TRUE COPY

[Signature]
Course-Coordinator

[Signature]
Principal

[Signature]

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Certificate of Completion

This is to certify that Mr./Ms.

SUBHASHMITA SAHOO

, student of the Department

of **Electrical Engg.**

semester **Third** bearing registration number **1701219277**

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

conducted at College of Engineering Bhubaneswar in the academic year **2018-19**.

TRUE COPY

J. Mishra

Course-Coordinator

[Signature]

Principal

[Signature]

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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. SUVAKANTA DHALASAMANTA, student of the Department

of Electrical Engg. semester Third bearing registration number 1701219278

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

conducted at College of Engineering Bhubaneswar in the academic year 2018-19.

TRUE COPY

[Signature]
Course-Coordinator

[Signature]
Principal

[Signature]

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
ADD-ON COURSE

STUDENT ENROLLMENT SHEET

Name of the Department: ELECTRICAL AND ELECTRONICS ENGINEERING	
Course Title: Fundamentals of Domestic Appliances	
Semester : 3RD	Academic Year: 2018-19

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	1701219071	SHIB SHANKAR SHAW	Shib Shankar Shaw
2	1701219165	ASHISH KUMAR PODDAR	Ashish Kumar Poddar
3	1701219166	MEGHNATH SOREN	Meghnath Soren
4	1701219167	VISHAL KUMAR SINGH	Vishal Kumar Singh
5	1701219168	GOVIND SOREN	Govind Soren
6	1701219271	JAGANNATH PRASAD SHA	Jagannath Prasad Sha
7	1701219272	SAI PRAVAT SAMAL	Sai Pravat Samal
8	1701219273	SUJIT KUMAR SAMANTARAY	Sujit Kumar Samantaray
9	1701219275	NITISH KUMAR DEHURY	Nitish Kumar Dehury
10	1701219276	MANORAMA SAHOO	Manorama Sahoo



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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: **2018-19**
 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	1701219071	SHIB SHANKAR SHAW	03/08/18	[Signature]	06/08/18	[Signature]
2	1701219165	ASHISH KUMAR PODDAR	03/08/18	[Signature]	06/08/18	[Signature]
3	1701219166	MEGHNATH SOREN	03/08/18	[Signature]	06/08/18	[Signature]
4	1701219167	VISHAL KUMAR SINGH	03/08/18	[Signature]	06/08/18	[Signature]
5	1701219168	GOVIND SOREN	03/08/18	[Signature]	06/08/18	[Signature]
6	1701219271	JAGANNATH PRASAD SHA	03/08/18	[Signature]	06/08/18	[Signature]
7	1701219272	SAI PRAVAT SAMAL	03/08/18	[Signature]	06/08/18	[Signature]
8	1701219273	SUJIT KUMAR SAMANTARAY	03/08/18	[Signature]	06/08/18	[Signature]
9	1701219275	NITISH KUMAR DEHURY	03/08/18	[Signature]	06/08/18	[Signature]
10	1701219276	MANORAMA SAHOO	03/08/18	[Signature]	06/08/18	[Signature]
Signature of the Course Coordinator			[Signature]	[Signature]	[Signature]	[Signature]

[Signature]
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ADD ON / CERTIFICATE COURSE

STUDENT ATTENDANCE

Sheet No. 05


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

Semester: **3rd** Academic Year: **2018-19**

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	1701219071	SHIB SHANKAR SHAW	09/08/18	Gulb Shankar Shaw Abs	10/08/18	Abs
2	1701219165	ASHISH KUMAR PODDAR	09/08/18	Ashish Kumar Poddar Abs	10/08/18	Abs
3	1701219166	MEGHNATH SOREN	09/08/18	Meghnath Soren Abs	10/08/18	Abs
4	1701219167	VISHAL KUMAR SINGH	09/08/18	Vishal K. Singh Abs	10/08/18	Abs
5	1701219168	GOVIND SOREN	09/08/18	Govind Soren Abs	10/08/18	Abs
6	1701219271	JAGANNATH PRASAD SHA	09/08/18	Jagannath Prasad Sha Abs	10/08/18	Abs
7	1701219272	SAI PRAVAT SAMAL	09/08/18	Sai Pravat Samal Abs	10/08/18	Abs
8	1701219273	SUJIT KUMAR SAMANTARAY	09/08/18	Sujit K. Samantaray Abs	10/08/18	Abs
9	1701219275	NITISH KUMAR DEHURY	09/08/18	Nitish Kumar Dehury Abs	10/08/18	Abs
10	1701219276	MANORAMA SAHOO	09/08/18	Manorama Sahoo Abs	10/08/18	Abs
Signature of the Course Coordinator			Mishra	Mishra	Mishra	Mishra


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
 ADD ON / CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 01

Programme: **B.Tech in Electrical and Electronics Engineering**
 Name of the Course: **Fundamentals of Domestic Appliances**

Semester: **3rd** Academic Year: **2018-19**
 Course Code (if any):

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1701219071	SHIB SHANKAR SHAW	16/07/18	<i>Shib Shankar Shaw</i>	17/07/18	<i>Shib Shankar Shaw</i>	18/07/18	<i>Shib Shankar Shaw</i>	19/07/18	<i>Shib Shankar Shaw</i>
2	1701219165	ASHISH KUMAR PODDAR	16/07/18	<i>Ashish Kumar Poddar</i>	17/07/18	<i>Ashish Kumar Poddar</i>	18/07/18	<i>Ashish Kumar Poddar</i>	19/07/18	<i>Ashish Kumar Poddar</i>
3	1701219166	MEGHNATH SOREN	16/07/18	<i>Meghnath Soren</i>	17/07/18	<i>Meghnath Soren</i>	18/07/18	<i>Meghnath Soren</i>	19/07/18	<i>Meghnath Soren</i>
4	1701219167	VISHAL KUMAR SINGH	16/07/18	<i>Vishal Kumar Singh</i>	17/07/18	<i>Vishal Kumar Singh</i>	18/07/18	<i>Vishal Kumar Singh</i>	19/07/18	<i>Vishal Kumar Singh</i>
5	1701219168	GOVIND SOREN	16/07/18	<i>Govind Soren</i>	17/07/18	<i>Govind Soren</i>	18/07/18	<i>Govind Soren</i>	19/07/18	<i>Govind Soren</i>
6	1701219271	JAGANNATH PRASAD SHA	16/07/18	<i>Jagannath Prasad Sha</i>	17/07/18	<i>Jagannath Prasad Sha</i>	18/07/18	<i>Jagannath Prasad Sha</i>	19/07/18	<i>Jagannath Prasad Sha</i>
7	1701219272	SAI PRAVAT SAMAL	16/07/18	<i>Sai Pravat Samal</i>	17/07/18	<i>Sai Pravat Samal</i>	18/07/18	<i>Sai Pravat Samal</i>	19/07/18	<i>Sai Pravat Samal</i>
8	1701219273	SUJIT KUMAR SAMANTARAY	16/07/18	<i>Sujit K. Samantaray</i>	17/07/18	<i>Sujit K. Samantaray</i>	18/07/18	<i>Sujit K. Samantaray</i>	19/07/18	<i>Sujit K. Samantaray</i>
9	1701219275	NITISH KUMAR DEHURY	16/07/18	<i>Nitish Kumar Dehury</i>	17/07/18	<i>Nitish Kumar Dehury</i>	18/07/18	<i>Nitish Kumar Dehury</i>	19/07/18	<i>Nitish Kumar Dehury</i>
10	1701219276	MANORAMA SAHOO	16/07/18	<i>Manorama Sahoo</i>	17/07/18	<i>Manorama Sahoo</i>	18/07/18	<i>Manorama Sahoo</i>	19/07/18	<i>Manorama Sahoo</i>
Signature of the Course Coordinator			<i>Mishra</i>	<i>Mishra</i>	<i>Mishra</i>	<i>Mishra</i>	<i>Mishra</i>	<i>Mishra</i>	<i>Mishra</i>	<i>Mishra</i>

K. B. Singh
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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: 2018-19

Name of the Course: Fundamentals of Domestic Appliances

Course Code (if any):

Date & Signature of the Student

Duration : 5:30pm - 7:30pm

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date:	Date:	Date:	Date:
1	1701219071	SHIB SHANKAR SHAW	20/07/18	23/07/18	24/07/18	25/07/18
2	1701219165	ASHISH KUMAR PODDAR	Ashishkumar Poddar	Ashishkumar Poddar	Ashishkumar Poddar	Ashishkumar Poddar
3	1701219166	MEGHNATH SOREN	Meghnath Soren	Meghnath Soren	Meghnath Soren	Meghnath Soren
4	1701219167	VISHAL KUMAR SINGH	Vishal K. Singh	Vishal K. Singh	Vishal K. Singh	Vishal K. Singh
5	1701219168	GOVIND SOREN	Govind Soren	Govind Soren	Govind Soren	Govind Soren
6	1701219271	JAGANNATH PRASAD SHA	Jagannath Prasad Sha	Jagannath Prasad Sha	Jagannath Prasad Sha	Jagannath Prasad Sha
7	1701219272	SAI PRAVAT SAMAL	Sai Pravat Samal	Sai Pravat Samal	Sai Pravat Samal	Sai Pravat Samal
8	1701219273	SUJIT KUMAR SAMANTARAY	Sujit K. Samantary	Sujit K. Samantary	Sujit K. Samantary	Sujit K. Samantary
9	1701219275	NITISH KUMAR DEHURY	Nitish Kumar Dehury	Nitish Kumar Dehury	Nitish Kumar Dehury	Nitish Kumar Dehury
10	1701219276	MANORAMA SAHOO	Manoramasaahoo	Manoramasaahoo	Manoramasaahoo	Manoramasaahoo

Signature of the Course Coordinator

Mishra

Mishra

Mishra

Mishra

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COLLEGE OF ENGINEERING BHUBANESWAR (COE)
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: **2018-19**


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:	Date:	Date:	Date:
1	1701219071	SHIB SHANKAR SHAW	26/07/18	27/07/18	01/08/18	02/08/18
2	1701219165	ASHISH KUMAR PODDAR	Ashish Kumar Poddar	Ashish Kumar Poddar	Ashish Kumar Poddar	Ashish Kumar Poddar
3	1701219166	MEGHNATH SOREN	Meghnath Soren	Meghnath Soren	Meghnath Soren	Meghnath Soren
4	1701219167	VISHAL KUMAR SINGH	Vishal Ku. Singh	Vishal Ku. Singh	Vishal Ku. Singh	Vishal Ku. Singh
5	1701219168	GOVIND SOREN	Govind Soren	Govind Soren	Govind Soren	Govind Soren
6	1701219271	JAGANNATH PRASAD SHA	Jaganmuth Prasad Sha	Jaganmuth Prasad Sha	Jaganmuth Prasad Sha	Jaganmuth Prasad Sha
7	1701219272	SAI PRAVAT SAMAL	Sai Pravat Samal	Sai Pravat Samal	Sai Pravat Samal	Sai Pravat Samal
8	1701219273	SUJIT KUMAR SAMANTARAY	Sujit K. Samantaray	Sujit K. Samantaray	AS	Sujit K. Samantaray
9	1701219275	NITISH KUMAR DEHURY	Nitish Kumar Dehury	Nitish Kumar Dehury	Nitish Kumar Dehury	Nitish Kumar Dehury
10	1701219276	MANORAMA SAHOO	Manoramaseshoo	Manoramaseshoo	Manoramaseshoo	Manoramaseshoo
Signature of the Course Coordinator			Mishra	Mishra	Mishra	Mishra


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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. SHIB SHANKAR SHAW, student of the Department


of Electrical & Electronics Engg. semester Third bearing registration number 1701219071

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

conducted at College of Engineering Bhubaneswar in the academic year 2018-19


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Course-Coordinator


Principal



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. ASHISH KUMAR PODDAR, student of the Department

of Electrical & Electronics Engg. semester Third bearing registration number 1701219165

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

conducted at College of Engineering Bhubaneswar in the academic year 2018-19.


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Course-Cordinator


Principal



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. MEGHNATH SOREN, student of the Department


of Electrical & Electronics Engg. semester Third bearing registration number 1701219166

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

conducted at College of Engineering Bhubaneswar in the academic year 2018-19.


PRINCIPAL
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Course-Coordinator


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Certificate of Completion

This is to certify that Mr./Ms. VISHAL KUMAR SINGH, student of the Department


of Electrical & Electronics Engg. semester Third bearing registration number 1701219167

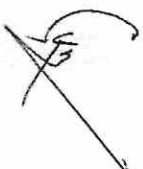
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Certificate of Completion

This is to certify that Mr./Ms. JAGANNATH PRASAD SHA, student of the Department


of Electrical & Electronics Engg. semester Third bearing registration number 1701219271


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

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