

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.

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

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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 <u>Academic year 2020-2021</u> in ON_LINE Mode. All the students are instructed to enroll their names for the following courses <u>on or before 12/09/2020</u>. 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.

SI. 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

Electrical Engineering College of Engineering Bhubaneswar

Copy to: Principal All Notice Board. A.O(Admin) All HODs

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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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COLLEGE OF ENLINEERING BHUBANESWAR (COEB) DEPARTMENT OF ELECTRICAL ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No.

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances Duration: 5:30 pm-7-30 pm Enrollment No. 1901219242 SATYABRATA SAHOO 1901219240 RUTURAJ NAYAK 1901219239 RASHMI HEMBRAM 1901219238 RAMAN KUMAR PATRA 1901219237 PRIYANKA PATRA 1901219236 PRAFULLA KUMAR CHAMPIA 1901219241 SATYA NARAYAN DASH 1901219235 GYANARANJAN DALAI 1901219233 CHANDRA SEKHAR PRUSTY 1901219234 GURU CHARAN MOHANTA 1901219232 BISWANATH ROUT 1901219231 ABINASH PATTANAYAK 1901219123 SUVENDU KUMAR ROUT 1901219122 SONALI MURMU 1901219121 SIPUN KUMAR PATRA 1901219120 SAGARIKA PRADHAN 1901219119 RABINDRA KUMAR PURTY 1901219118 PRABIN KUMAR BEHERA 1901219117 NIKHHIL EDISON SAMADA 1901219116 JEEVANRAM HANSDAH NAME OF THE STUDENT Date: 25/09/20 | Date: 28/09/20 Date & Signature of the Student Course Code (if any): Date: 29/09/20 Date: 30/09/20

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Signature of the Course Coordinator

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COLLEGE OF EN .NEERING BHUBANESWAR (COEB) DEPARTMENT OF ELECTRICAL ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. OI(a)

Programme: B.Tech in Electrical Engineering

Name of the Course: Fundamentals of Domestic Appliances

Semester: 3rd

Academic Year: 2020-21

Course Code (if any):

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Signature of the Course Coordinator

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ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 01 (b)

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

Semester: 3rd

Academic Year: 2020-21

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

STUDENT ATTENDANCE SHEET

Sheet No.__ 02(0)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances Course Code (if any):

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COLLEGE OF EN .NEERING BHUBANESWAR (COEB) DEPARTMENT OF ELECTRICAL ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 02(b)

Name of the Course: Fundamentals of Domestic Appliances Programme: B.Tech in Electrical Engineering Semester: 3rd Course Code (if any):

Academic Year: 2020-21

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

STUDENT ATTENDANCE SHEET

Sheet No. 03(b)

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

Semester: 3rd

Academic Year: 2020-21

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ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. Oh(a)

Programme: B.Tech in Electrical Engineering

Semester: 3rd

Academic Year: 2020-21

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Signature of the Course Coordinator

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COLLEGE OF EN NEERING BHUBANESWAR (COEB) DEPARTMENT OF ELECTRICAL ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. O4(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):

Dur	ation : 5:30	Duration: 5:30 pm - 7:30 pm,		Date & Signatu	Date & Signature of the Student	
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COLLEGE OF EN .NEERING BHUBANESWAR (COEB) DEPARTMENT OF ELECTRICAL ENGINEERING ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 05(a)

Programme: B.Tech in Electrical Engineering

Name of the Course: Fundamentals of Domestic Appliances

Semester: 3rd

Academic Year: 2020-21

Course Code (if any):

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College of Engineering Bhubaneswar

Signature of the Course Coordinator

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COLLEGE OF EN .. NEERING BHUBANESWAR (COEB) DEPARTMENT OF ELECTRICAL ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. OS(b)

Programme: B.Tech in Electrical Engineering

Name of the Course: Fundamentals of Domestic Appliances

Semester: 3rd

Academic Year: 2020-21

Course Code (if any):

	30	29	28	27	26	25	24	23	22	21	NO.	Dur
Signature of	1901219253	1901219252	1901219251	1901219250	1901219249	1901219248 SMITA DAS	1901219247	1901219246 SIPUN NAIK	1901219245	1901219243	SL. Reg. No./ NO. Enrollment No.	ation: 5:90
Signature of the Course Coordinator	1901219253 PABITRA BADAJENA	1901219252 SUVAM PATTNAIK	1901219251 SUNIL CHAMPIA	1901219250 SUDHANSHU SEKHAR BEHERA	1901219249 SUBHRANSU SEKHAR DAS	SMITA DAS	1901219247 SITAKANTA PANDA	SIPUN NAIK	1901219245 SHEKHAR PRAHARAJ	1901219243 SHAKTIBHUSAN MISHRA	NAME OF THE STUDENT	Duration: 5:30pm-7:30pm,
Pacan	O	0	P	P	P	0	P	3	7	0	Date: 09/10/20	
Blogal	7	5	D	B	P	7	P	7)	P	P	Date: 09/10/20 Date: 12/10/20 Date: 13/10/20 Date:	Date & Signature of the
Basi	0	P	0	5	0	0	7	1	P	5	Date: 3/10/20	re of the Student
trap											Date:	



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





Certificate of Completion

conducted at College of Engineering Bhubaneswar in the academic year 2020-21	has successfully completed the ADD-ON Course titled	ofElectrical Engg.	This is to certify that Mr./MsJEEV_
aneswar in the academic year 2020-21	ourse titled Fundamentals of Domestic	semester <u>Third</u> bearing registration	JEEVANRAM HANSDAH
	mestic Appliances	stration number 1901219116	student of the Department

RUE COPY TOPEN

Course-Coordinator

Principal



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





Ovrtificate of Oampletion

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

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Course-Coordinator

No.

Principal

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





Ochtificate of Completion

number 1901219118 Appliances	registration r	ADD-ON Course titledering Bhubaneswar in the academ	ofElectrical Engg. The successfully completed the conducted at College of Engine
student of the Department		»PRABIN KUMAR BEHERA	This is to certify that Mr./Ms.

RUE COPY TOOM

Course-Coordinator

Principal



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





Certificate of Completion

has successfully completed the ADD-ON Course titledFundamentals of Domestic Appliances
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Course-Coordinator

XX.

Principal



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





Optificate of Completion

has successfully completed the ADD-ON Course titled	of Electrical Engg.	This is to certify that Mr./MsSIPUN KUMAR PATRA
ADD-ON Course titled	sem	SIPUN KUMAR PA
Fundamentals of D	ester Third bearing re	ATRA
Fundamentals of Domestic Appliances	semester Third bearing registration number 1901219121	student of the Departme

TRUE COPYS TOOM

conducted at College of Engineering Bhubaneswar in the academic year_

2020-21

Course-Coordinator

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Principal

& Bhuze



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	





Engineering

Programme: B.Tech in Electrical and Electronics

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

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 2

Semester: 3rd

Academic Year: 2020-21

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	01219230	01219229	1901219228 SUDIP DAS	01219227	01219226	01219225	901219224	901219223	901219114	901219113	Enrollment	n: (5,3	f the Cou
	1901219230 TAPAN KUMAR SAHOO	1901219229 SURAJ MANDAL	SUDIP DAS	1901219227 SAKTIKANTA SAHOO	1901219226 KAILASH PATI SWAIN	1901219225 BISWOMBAR MALIK	1901219224 BIKASH PRADHAN	1901219223 AMARNATH SHARMA	1901219114 SAHAJAMAL SK	1901219113 ABHISEK SAMAL	NAME OF THE STUDENT	Duration: (5:30 5 7:30)pm	Name of the Course: Fundamentals of Domestic Appliances
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	4	-0	٠	7	0	V	-6-	Þ	ъ	P	Date: 21/09/20 Date: 22/09/20 Date: 23/09/20 Date: 24/09/20	Date & Signatu	
	Ą	0	P	P	Þ	4	9	0	P	D	Date: 23/69/20	Date & Signature of the Student	Course Code (if any):
•	-6-	*	₩-	0	-ф-	Ρ.	-6-	-6-	0	A	Date: 24/09/20		



COLLEGE OF ENGL. SERING BHUBANESWAR (COEB) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ADD ON CERTIFICATE COLLEGE

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 Duration: NO. Signature of the Course Coordinator 1901219230 TAPAN KUMAR SAHOO 1901219229 SURAJ MANDAL 1901219228 SUDIP DAS 1901219227 SAKTIKANTA SAHOO 1901219114 SAHAJAMAL SK 1901219113 ABHISEK SAMAL Enrollment 1901219226 KAILASH PATI SWAIN 1901219225 BISWOMBAR MALIK 1901219224 BIKASH PRADHAN 1901219223 AMARNATH SHARMA Reg. No.) (5130年于130) NAME OF THE STUDENT 3 Date: 25/09/20 Date: 28/09/20 Paga-Date & Signature of the Student Course Code (if any): Date: 29/29/20 Date: 30/09/20 Plagar D



Engineering

Programme: B.Tech in Electrical and Electronics

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

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No.

Semester: 3rd

Academic Year: 2020-21

Name of the Course: Fundamentals of Domestic Appliances Duration: (5:30 57:30) 10 Signature of the Course Coordinator 1901219228 SUDIP DAS 1901219227 SAKTIKANTA SAHOO 1901219230 TAPAN KUMAR SAHOO 1901219229 SURAJ MANDAL Enrollment 1901219226 KAILASH PATI SWAIN 1901219225 BISWOMBAR MALIK 1901219224 BIKASH PRADHAN 1901219223 AMARNATH SHARMA 1901219114 SAHAJAMAL SK 1901219113 ABHISEK SAMAL Reg. No., NAME OF THE STUDENT Date: 05/10/20 Date: 06/10/20 Date: 67/10/20 Book Date & Signature of the Student 0 Course Code (if any): t Date: 08/10/20 PA899



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

STUDENT ATTENDANCE SHEET

Sheet No. 05

Engineering Programme: B.Tech in Electrical and Electronics

Name of the Course: Fundamentals of Domestic Appliances

Semester: 3rd

Academic Year: 2020-21

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1901219224 BIKASH PRADHAN 1901219225 BISWOMBAR MALIK 1901219226 KAILASH PATI SWAIN 1901219227 SAKTIKANTA SAHOO 1901219227 SUDIP DAS 1901219228 SURAJ MANDAL 1901219229 TAPAN KUMAR SAHOO	BIKASH PRADHAN BISWOMBAR MALIK KAILASH PATI SWAIN SAKTIKANTA SAHOO SUDIP DAS SURAJ MANDAL	BIKASH PRADHAN BISWOMBAR MALIK KAILASH PATI SWAIN SAKTIKANTA SAHOO SUDIP DAS	BIKASH PRADHAN BISWOMBAR MALIK KAILASH PATI SWAIN	BIKASH PRADHAN	1901219223 AMARNATH SHARMA	1901219113 ABHISEK SAMAL 1901219114 SAHAJAMAL SK	NAME OF THE STUDENT	Duration: (5:30 5 7:30) pm	Name of the Course: Fundamentals of Domestic Appliances
744000	70400	7-4-6-6	A - V - V	7	9-9	P	Date: 09/10/20		Domestic Appliance
	4000		PA	4	P	~~	Date: 2/10/20	Date & Signature of the Stud	
00000	0000	0000	V -0 -0		, .	00	Date: 13/10/20	re of the Student	Course Code (if any):
			27			-	Date:		



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING COLLEGE OF ENG! PERING BHUBANESWAR (COEB)

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 0

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

Semester: 3rd

Academic Year: 2020-21

Dura	ation : (5',3	Duration: (5:30 (5 7:30) pm		Date & Signatur	Date & Signature of the Student
NO.	Reg. No./ Enrollment	NAME OF THE STUDENT	Date: 14/09/20	Date: 15/09/20 Date: 18/09/20 Date: 18/09/27	Date: 1
1	1901219113	1901219113 ABHISFK SAMAI	9	9	
,	CTTGTZTOCT	ABHISER SAMAL		-6	
2	1901219114	1901219114 SAHAJAMAL SK	0	P	
ω	1901219223	1901219223 AMARNATH SHARMA	P	0	
4	1901219224	1901219224 BIKASH PRADHAN	٠,	7	
5	1901219225	1901219225 BISWOMBAR MALIK	-0-	P	
6	1901219226	1901219226 KAILASH PATI SWAIN	9	P	
7	1901219227	1901219227 SAKTIKANTA SAHOO	P	Þ	
8	1901219228 SUDIP DAS	SUDIP DAS	_	0	
9	1901219229	1901219229 SURAJ MANDAL	P	ν-	
10	1901219230	1901219230 TAPAN KUMAR SAHOO	9	-0-	
Sis	gnature of th	Signature of the Course Coordinator	Basan	PA	OF CO



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





Octificate of Completion

100 0000	hae since	of	This is to
Coolaily Completed and	seefully completed the	Electrical & Electronics Engg.	This is to certify that Mr./Ms
	has successfully completed the ADD-ON Course titled	ctronics Engg.	ABHISEK SAMAL
		semester	MAL
	Fundamer	Third	
N to Com.	Fundamentals of Domestic Appliances	semester Third bearing registration number 1901219113	, student of the Department
		- 57	

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

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Course-Coordinator

Principal



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Octificate of Completion

	has successfully completed the ADD-ON Course titled	of <u>Electrical & Electronics Engg.</u>	This is to certify that Mr./MsSAHA
			SAHAJAMAL SK
1 trans	Fundamentals of Domestic Appliances	semester Third bearing registration number 1901219114	, student of the Department

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

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Certificate of Completion

	has successfully completed the ADD-ON Course titled	of Electrical & Electronics Engg semest	This is to certify that Mr./Ms. AMARNATH SHARMA
N PP	Fundamentals of Domestic Appliances	semester Third bearing registration number 1901219223	MA , student of the Department

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

Course-Coordinator

Principal



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





Certificate of Completion

	has successfi	of H	This is to certi	
	ully completed the	lectrical & E	This is to certify that Mr./Ms.	
	has successfully completed the ADD-ON Course titled	Electrical & Electronics Engg.	BISWOMBAR MALIK	
8	Fundaı	_semester <u>Third</u>	MALIK	
d A	Fundamentals of Domestic Appliances	semester Third bearing registration number	, stuc	
400	ès	number 1901219225	student of the Department	

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

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Course-Coordinator

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Oertificate of Oempletion

Electrical & Electronics Engg. semester Third bearing registration number 1901219226	This is to certify that Mr./Ms. KAILASH PATI SWAIN , student of the Department

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

Course-Coordinator

Principal

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