



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

Koustuv Technical Campus, Plot No. 1 (A), Koustuv Square,
Infocity Road, Patia, Bhubaneswar-751024, Odisha, India

[AFFILIATED TO BPUT, ODISHA]

www.coeb.ac.in

ADD-ON COURSE : Concepts of Transformer Core Design

[Programme: B.Tech, EEE/EE]

SYLLABUS

Total Lecture Hours : 40

Course Objectives:

This course provides a comprehensive understanding of transformer core design principles, including magnetic materials, core types, core design calculations, and practical considerations. Students will learn how to design transformer cores to meet specific performance requirements and efficiency standards.

MODULE-I Introduction to Transformer Core Design [12 Hours]

Overview of transformers and their significance, Role of the core in transformer operation, Importance of efficient core design, Magnetic Materials for Transformer Cores, Properties of magnetic materials (ferromagnetic, ferrimagnetic), Selection criteria for core materials, Hysteresis and magnetic losses in core materials.

MODULE-II Core Types and Geometries [12 Hours]

Core types: laminated, toroidal, shell, and others, Core geometry and winding configurations, Pros and cons of different core types, Magnetic Circuit Analysis, Magnetic field, flux, and magnetomotive force (MMF), Magnetic circuit analysis in transformers, Calculation of core cross-sectional area and magnetic path length.

MODULE-III Core Losses and Efficiency [12 Hours]

Core loss mechanisms: hysteresis and eddy current losses, Core loss calculations, Impacts of core design on transformer efficiency, Magnetizing Current and Voltage Regulation, Magnetizing current and its role in transformer operation, Voltage regulation and magnetizing reactance, Design considerations for controlling magnetizing current.

MODULE-IV Practical Aspects of Transformer Core Design [04 Hours]

Manufacturing considerations, Cooling and insulation, Noise and vibration control in transformer cores.

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

- CO1: Understand the fundamental concepts of transformer operation and design.
- CO2: Analyze and design transformer cores for various applications.
- CO3: Evaluate different core materials and their impact on performance.
- CO4: Perform core loss and magnetizing current calculations.
- CO5: Consider practical aspects, such as manufacturing and cooling, in transformer core design.

Evaluation Process:

PRINCIPAL
College of Engineering Bhubaneswar

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. "Transformer Engineering: Design, Technology, and Diagnostics" by S.V. Kulkarni and S.A. Khaparde.
2. K. R. M. Nair, *Power & Distribution Transformers: Practical Design Guide*, CRC Press, Page 497, 2021.
3. Fang Zhu, Baitun Yang, *Power Transformer Design Practices*, CRC Press, Pages 282, 2021.


Other Sources:


e-Learning Resources:

<https://www.tipsengineerzone.in/2023/08/transformer-design-calculation-course.html>

Design and Developed by: Dr B. Veera Murthy Pandian & Prof. Eepsita Shridevi


Principal
PRINCIPAL
College of Engineering Bhubaneswar


PRINCIPAL
College of Engineering Bhubaneswar


HOD, Electrical Engineering
HOD
Electrical Engineering
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR

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

[AFFILIATED TO BPUT, ODISHA]

www.coeb.ac.in

NOTICE

Department of Electrical Engineering

Add On Course 2022-2023

Ref No: COEB/EE/2022/12

Date: 01.10.2022

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 2022-2023. All the students are instructed to enroll their names for the following courses on or before 15.10.2022. The classes will be commenced from **17/10/2022**, 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	Electrical Circuit Analysis with PSIM	3 rd	40	Gopal Krishna Mohanty, Assistant Professor
2	Fault Analysis of Electrical Transmission System	5 th	40	Eepsita Sridevi, Assistant Professor
3	Concepts of transformer core design	7 th	40	Dr. N Veda Kumar, Assistant Professor

HOD

Electrical Engineering Department

HOD

Electrical Engineering
College of Engineering Bhubaneswar

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

PRINCIPAL

College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
ADD-ON COURSE

STUDENT ENROLLMENT SHEET

Name of the Department: ELECTRICAL ENGINEERING	
Course Title: Concepts of transformer core design	
Semester : 7th	Academic Year: 2022-23

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	Signature of the Student
1	1901219116	JEEVANRAM HANSDAH	Jeevanram Hansdah
2	1901219117	NIKHHIL EDISON SAMADA	Nikhil Edisonsamada
3	1901219118	PRABIN KUMAR BEHERA	Prabin Kumar Behera
4	1901219120	SAGARIKA PRADHAN	Sagarika Pradhan
5	1901219121	SIPUN KUMAR PATRA	Sipun Kumar Patra
6	1901219122	SONALI MURMU	Sonalij Murmu
7	1901219123	SUVENDU KUMAR ROUT	Suwendu Kumar Rout
8	1901219231	ABINASH PATTANAYAK	Abinash Pattanayak
9	1901219232	BISWANATH ROUT	Biswanath Rout
10	1901219233	CHANDRA SEKHAR PRUSTY	Chandra Sekhar Prusty
11	1901219235	GYANARANJAN DALAI	Gyanarajan Dalai
12	1901219236	PRAFULLA KUMAR CHAMPIA	Prafulla Kumar Champia
13	1901219237	PRIYANKA PATRA	Priyanka Patra
14	1901219238	RAMAN KUMAR PATRA	Raman Kumar Patra
15	1901219239	RASHMI HEMBRAM	Rashmi Hembram
16	1901219240	RUTURAJ NAYAK	Ruturaj Nayak
17	1901219241	SATYA NARAYAN DASH	Satya Narayan Das
18	1901219243	SHAKTIBHUSAN MISHRA	Shakti Bhusan Mishra
19	1901219244	SHAKTIKANTA MALLIK	Shaktikanta Mallik
20	1901219245	SHEKHAR PRAHARAJ	Shekhar Praharaj
21	1901219246	SIPUN NAIK	Sipun Naik
22	1901219247	SITAKANTA PANDA	Sitakanta Panda
23	1901219248	SMITA DAS	Smita Das
24	1901219249	SUBHRANSU SEKHAR DAS	Subhransu Sekhar Das
25	1901219251	SUNIL CHAMPIA	Sunil Champia
26	1901219252	SUVAM PATNAIK	Suvam Pattnaik
27	1901219253	PABITRA BADAJENA	Pabitra Bada Jena




PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 0465

Programme: **B.Tech in Electrical Engineering** Semester: **7th** Academic Year: **2022-23**
 Name of the Course: **Concepts of transformer core design** Course Code (if any):

SL NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
			Date: <u>04/11/22</u>	<u>Sabya Narayan Panda</u>	Date: <u>09/11/22</u>	<u>Sabya Narayan Panda</u>	Date: <u>10/11/22</u>	<u>Sabya Narayan Panda</u>	Date: <u>11/11/22</u>	<u>Sabya Narayan Panda</u>
17	1901219241	SATYA NARAYAN DASH								
18	1901219243	SHAKTIBHUSAN MISHRA								
19	1901219244	SHAKTIKANTA MALLIK								
20	1901219245	SHEKHAR PRAHARAJ								
21	1901219246	SIPUN NAIK								
22	1901219247	SITAKANTA PANDA								
23	1901219248	SMITTA DAS								
24	1901219249	SUBHRANSU SEKHAR DAS								
25	1901219251	SUNIL CHAMPIA								
26	1901219252	SUVAM PATTNAIK								
27	1901219253	PABITRA BADAJENA								
Signature of the Course Coordinator			<u>NIVE</u>	<u>NIVE</u>	<u>NIVE</u>	<u>NIVE</u>	<u>NIVE</u>	<u>NIVE</u>	<u>NIVE</u>	<u>NIVE</u>

K. B. Singh
 PRINCIPAL
 College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 05(a)

Programme: **B.Tech in Electrical Engineering** Semester: **7th** Academic Year: **2022-23**

Name of the Course: **Concepts of transformer core design** Course Code (if any):

Duration : 5:30 to 7:30 pm

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1901219116	JEEVANRAM HANSDAH	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
2	1901219117	NIKHIL EDISON SAMADA	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
3	1901219118	PRABIN KUMAR BEHERA	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
4	1901219120	SAGARIKA PRADHAN	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
5	1901219121	SIPUN KUMAR PATRA	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
6	1901219122	SONALI MURMU	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
7	1901219123	SUVENDU KUMAR ROUT	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
8	1901219231	ABINASH PATTANAYAK	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
9	1901219232	BISWANATH ROUT	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
10	1901219233	CHANDRA SEKHAR PRUSTY	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
11	1901219235	GYANARANJAN DALAI	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
12	1901219236	PRAFULLA KUMAR CHAMPIA	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
13	1901219237	PRYANKA PATRA	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
14	1901219238	RAMAN KUMAR PATRA	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
15	1901219239	RASHMI HEMBRAM	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]
16	1901219240	RUTURAJ NAYAK	14/11/22	[Signature]	15/11/22	[Signature]	17/11/22	[Signature]	18/11/22	[Signature]

Signature of the Course Coordinator

[Signature]
 PRINCIPAL
 College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 05(b)

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

Semester: **7th**

Academic Year: **2022-23**

Name of the Course: **Concepts of transformer core design**

Course Code (if any):

Duration : 5:30 to 7:30 pm

Date & Signature of the Student

SL NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date:	Date:	Date:	Date:
17	1901219241	SATYA NARAYAN DASH	14/11/22	15/11/22	17/11/22	18/11/22
18	1901219243	SHAKTIBHUSAN MISHRA	Shaktibhusan Mishra	Shakti Bhusan Mishra	Shaktibhusan Mishra	Shaktibhusan Mishra
19	1901219244	SHAKTIKANTA MALLIK	Shakti Kantamallik	Shakti	Shakti	Shakti
20	1901219245	SHEKHAR PRAHARAJ	Shekhar Pracharaj	Shekhar Pracharaj	Shekhar Pracharaj	Shekhar Pracharaj
21	1901219246	SIPUN NAIK	Sipun Naik	Sipun Naik	Sipun Naik	Sipun Naik
22	1901219247	SITAKANTA PANDA	Sitakanta Panda	Sitakanta Panda	Sitakanta Panda	Sitakanta Panda
23	1901219248	SMITA DAS	Smita Das	Smita Das	Smita Das	Smita Das
24	1901219249	SUBHRANSU SEKHAR DAS	Subhransu Sekhar Das	Subhransu Sekhar Das	Subhransu Sekhar Das	Subhransu Sekhar Das
25	1901219251	SUNIL CHAMPPIA	Sunil Champia	Sunil Champia	Sunil Champia	Sunil Champia
26	1901219252	SUVAM PATTNAIK	Suvam Pattnaik	Suvam Pattnaik	Suvam Pattnaik	Suvam Pattnaik
27	1901219253	PABITRA BADAJENA	Pabitra Badajena	Pabitra Badajena	Pabitra Badajena	Pabitra Badajena
Signature of the Course Coordinator			NVS	NVS	NVS	NVS

(Signature)
 PRINCIPAL
 College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 01(a)

Programme: **B.Tech in Electrical Engineering** Semester: **7th** Academic Year: **2022-23**

Name of the Course: **Concepts of transformer core design** Course Code (if any):

Duration : **(5:30 to 7:30) pm**

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1901219116	JEEVANRAM HANSDAH	17/10/22	Jeevanram Hansdah	18/10/22	Jeevanram Hansdah	19/10/22	Jeevanram Hansdah	20/10/22	Jeevanram Hansdah
2	1901219117	NIKHIL EDISON SAMADA	17/10/22	Nikhil Edison Samada	18/10/22	Nikhil Edison Samada	19/10/22	Nikhil Edison Samada	20/10/22	Nikhil Edison Samada
3	1901219118	PRABIN KUMAR BEHERA	17/10/22	Prabin Kumar Behera	18/10/22	Prabin Kumar Behera	19/10/22	Prabin Kumar Behera	20/10/22	Prabin Kumar Behera
4	1901219120	SAGARIKA PRADHAN	17/10/22	Sagarika Pradhan	18/10/22	Sagarika Pradhan	19/10/22	Sagarika Pradhan	20/10/22	Sagarika Pradhan
5	1901219121	SIPUN KUMAR PATRA	17/10/22	Sipun Kumar Patra	18/10/22	Sipun Kumar Patra	19/10/22	Sipun Kumar Patra	20/10/22	Sipun Kumar Patra
6	1901219122	SONALI MURMU	17/10/22	Sonali Murmu	18/10/22	Sonali Murmu	19/10/22	Sonali Murmu	20/10/22	Sonali Murmu
7	1901219123	SUVENDU KUMAR ROU	17/10/22	Suvendu Kumar Rou	18/10/22	Suvendu Kumar Rou	19/10/22	Suvendu Kumar Rou	20/10/22	Suvendu Kumar Rou
8	1901219231	ABINASH PATTANAYAK	17/10/22	Abinash Pattanayak	18/10/22	Abinash Pattanayak	19/10/22	Abinash Pattanayak	20/10/22	Abinash Pattanayak
9	1901219232	BISWANATH ROU	17/10/22	Biswanath Rou	18/10/22	Biswanath Rou	19/10/22	Biswanath Rou	20/10/22	Biswanath Rou
10	1901219233	CHANDRA SEKHAR PRUSTY	17/10/22	Chandrasekh Prusty	18/10/22	Chandrasekh Prusty	19/10/22	Chandrasekh Prusty	20/10/22	Chandrasekh Prusty
11	1901219235	GVANARANJAN DALAI	17/10/22	Gyanaranjan Dalai	18/10/22	Gyanaranjan Dalai	19/10/22	Gyanaranjan Dalai	20/10/22	Gyanaranjan Dalai
12	1901219236	PRAFULLA KUMAR CHAMPIA	17/10/22	Prafulla Kumar Champia	18/10/22	Prafulla Kumar Champia	19/10/22	Prafulla Kumar Champia	20/10/22	Prafulla Kumar Champia
13	1901219237	PRIVANKA PATRA	17/10/22	Privanka Patra	18/10/22	Privanka Patra	19/10/22	Privanka Patra	20/10/22	Privanka Patra
14	1901219238	RAMAN KUMAR PATRA	17/10/22	Raman Kumar Patra	18/10/22	Raman Kumar Patra	19/10/22	Raman Kumar Patra	20/10/22	Raman Kumar Patra
15	1901219239	RASHMI HEMBRAM	17/10/22	Rashmi Hembram	18/10/22	Rashmi Hembram	19/10/22	Rashmi Hembram	20/10/22	Rashmi Hembram
16	1901219240	RUTURAJ NAYAK	17/10/22	Ruturaj Nayak	18/10/22	Ruturaj Nayak	19/10/22	Ruturaj Nayak	20/10/22	Ruturaj Nayak

Signature of the Course Coordinator

[Signature]

PRINCIPAL
 College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 01(b)

Programme: B.Tech in Electrical Engineering

Semester: 7th

Academic Year: 2022-23

Name of the Course: Concepts of transformer core design

Course Code (if any):

Duration : (5:30 to 7:30)pm

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
17	1901219241	SATYA NARAYAN DASH	17/10/22	Satyam Narayan Dash	18/10/22	Satyam Narayan Dash	19/10/22	Satyam Narayan Dash	20/10/22	Satyam Narayan Dash
18	1901219243	SHAKTIBHUSAN MISHRA	17/10/22	Shaktibhusan Mishra	18/10/22	Shaktibhusan Mishra	19/10/22	Shaktibhusan Mishra	20/10/22	Shaktibhusan Mishra
19	1901219244	SHAKTİKANTA MALLIK	17/10/22	Shaktikanta Mallik	18/10/22	Shaktikanta Mallik	19/10/22	Shaktikanta Mallik	20/10/22	Shaktikanta Mallik
20	1901219245	SHEKHAR PRAHARAJ	17/10/22	Shekhar Praharaj	18/10/22	Shekhar Praharaj	19/10/22	Shekhar Praharaj	20/10/22	Shekhar Praharaj
21	1901219246	SIPUN NAIK	17/10/22	Sipun Naik	18/10/22	Sipun Naik	19/10/22	Sipun Naik	20/10/22	Sipun Naik
22	1901219247	SITAKANTA PANDA	17/10/22	Sitakanta Panda	18/10/22	Sitakanta Panda	19/10/22	Sitakanta Panda	20/10/22	Sitakanta Panda
23	1901219248	SMITA DAS	17/10/22	Smita Das	18/10/22	Smita Das	19/10/22	Smita Das	20/10/22	Smita Das
24	1901219249	SUBHRANSU SEKHAR DAS	17/10/22	Subhransu Sekhar Das	18/10/22	Subhransu Sekhar Das	19/10/22	Subhransu Sekhar Das	20/10/22	Subhransu Sekhar Das
25	1901219251	SUNIL CHAMPILA	17/10/22	Sunil Champila	18/10/22	Sunil Champila	19/10/22	Sunil Champila	20/10/22	Sunil Champila
26	1901219252	SUVAM PATTNAIK	17/10/22	Suvarn Pathnaik	18/10/22	Suvarn Pathnaik	19/10/22	Suvarn Pathnaik	20/10/22	Suvarn Pathnaik
27	1901219253	PABITRA BADAJENA	17/10/22	Pabitra Badajena	18/10/22	Pabitra Badajena	19/10/22	Pabitra Badajena	20/10/22	Pabitra Badajena

Signature of the Course Coordinator

Signature

Signature

Signature

Signature

Signature

PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 02 (a)

Programme: **B.Tech in Electrical Engineering** Semester: **7th** Academic Year: **2022-23**
 Name of the Course: **Concepts of transformer core design** Course Code (if any):

SL NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date & Signature of the Student			
			Date:	Signature	Date:	Signature
1	1901219116	JEEVANRAM HANSDAH	21/10/22	[Signature]	26/10/22	[Signature]
2	1901219117	NIKHIL EDISON SAMADA	21/10/22	[Signature]	27/10/22	[Signature]
3	1901219118	PRABIN KUMAR BEHERA	21/10/22	[Signature]	27/10/22	[Signature]
4	1901219120	SAGARIKA PRADHAN	21/10/22	[Signature]	27/10/22	[Signature]
5	1901219121	SIPUN KUMAR PATRA	21/10/22	[Signature]	27/10/22	[Signature]
6	1901219122	SONALI MURMU	21/10/22	[Signature]	27/10/22	[Signature]
7	1901219123	SUVENDU KUMAR ROUT	21/10/22	[Signature]	27/10/22	[Signature]
8	1901219231	ABINASH PATTANAYAK	21/10/22	[Signature]	27/10/22	[Signature]
9	1901219232	BISWANATH ROUT	21/10/22	[Signature]	27/10/22	[Signature]
10	1901219233	CHANDRA SEKHAR PRUSTY	21/10/22	[Signature]	27/10/22	[Signature]
11	1901219235	GYANARANJAN DALAI	21/10/22	[Signature]	27/10/22	[Signature]
12	1901219236	PRAFULLA KUMAR CHAMPRA	21/10/22	[Signature]	27/10/22	[Signature]
13	1901219237	PRIVANKA PATRA	21/10/22	[Signature]	27/10/22	[Signature]
14	1901219238	RAMAN KUMAR PATRA	21/10/22	[Signature]	27/10/22	[Signature]
15	1901219239	RASHMI HEMBRAM	21/10/22	[Signature]	27/10/22	[Signature]
16	1901219240	RUTURAJ NAYAK	21/10/22	[Signature]	27/10/22	[Signature]

Signature of the Course Coordinator

[Signature]
 PRINCIPAL
 College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 02 (b)

Programme: B.Tech in Electrical Engineering

Semester: 7th

Academic Year: 2022-23

Name of the Course: Concepts of transformer core design

Course Code (if any):

Duration : (5:30 to 7:30) pm

Date & Signature of the Student

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date:	Date:	Date:	Date:
17	1901219241	SATYA NARAYAN DASH	21/10/22	26/10/22	27/10/22	28/10/22
18	1901219243	SHAKTIBHUSAN MISHRA	Sahya Narayan Dash	Sahya Narayan Dash	Sahya Narayan Dash	Sahya Narayan Dash
19	1901219244	SHAKTİKANTA MALLİK	Shaktikanta Mallik	Shaktikanta mallik	Shaktikanta mallik	Shaktikanta Mishra
20	1901219245	SHEKHAR PRAHARAJ	Shakhar Prachari	Shakhar Prachari	Shakhar Prachari	Shaktikanta mallik
21	1901219246	SIPUN NAIK	Sipun Naik	Sipun Naik	Sipun Naik	Shakhar Prachari
22	1901219247	SITAKANTA PANDA	Sitakanta Panda	Sitakanta Panda	Sitakanta Panda	Sipun Naik
23	1901219248	SMITA DAS	Smita Das	Smita Das	Smita Das	Sitakanta Panda
24	1901219249	SUBHRANSU SEKHAR DAS	Subhransu Sekhar Das	Subhransu Sekhar Das	Subhransu Sekhar Das	Smita Das
25	1901219251	SUNIL CHAMPIA	Sunil Champia	Sunil Champia	Sunil Champia	Subhransu Sekhar Das
26	1901219252	SUVAM PATTNAIK	Suvarn Pattnaik	Suvarn Pattnaik	Suvarn Pattnaik	Sunil Champia
27	1901219253	PABITRA BADAJENA	Pabitra Badajena	Pabitra Badajena	Pabitra Badajena	Suvarn Pattnaik
Signature of the Course Coordinator			ANIK	ANIK	ANIK	ANIK

PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 03(a)

Programme: **B.Tech in Electrical Engineering** Semester: **7th** Academic Year: **2022-23**

Name of the Course: **Concepts of transformer core design** Course Code (if any):

Duration : 5:30 to 7:30 Pm

Sl. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1901219116	JEEVANRAM HANSDAH	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
2	1901219117	NIKHIL EDISON SAMADA	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
3	1901219118	PBABIN KUMAR BEHERA	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
4	1901219120	SAGARIKA PRADHAN	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
5	1901219121	SIPUN KUMAR PATRA	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
6	1901219122	SONALI MURMU	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
7	1901219123	SUVENDU KUMAR ROUT	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
8	1901219231	ABINASH PATTANAYAK	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
9	1901219232	BISWANATH ROUT	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
10	1901219233	CHANDRA SEKHAR PRUSTY	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
11	1901219235	GYANARANJAN DALAI	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
12	1901219236	PRAFULLA KUMAR CHAMPRA	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
13	1901219237	PRIVANKA PATRA	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
14	1901219238	RAMAN KUMAR PATRA	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
15	1901219239	RASHMI HEMBRAM	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]
16	1901219240	RITUURAJ NAYAK	31/10/22	[Signature]	01/11/22	[Signature]	02/11/22	[Signature]	03/11/22	[Signature]

Signature of the Course Coordinator

[Signature]
 PRINCIPAL
 College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 03 (B)

Programme: **B.Tech in Electrical Engineering** Semester: **7th** Academic Year: **2022-23**
 Name of the Course: **Concepts of transformer core design** Course Code (if any):

Duration : 5:30 to 7:30 pm

Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
17	1901219241	SATYA NARAYAN DASH	31/10/22	Satyam Narayan Dash	01/11/22	Satyam Narayan Dash	02/11/22	Satyam Narayan Dash	03/11/22	Satyam Narayan Dash
18	1901219243	SHAKTIBHUSAN MISHRA	31/10/22	Shakti Bhushan Mishra	01/11/22	Shakti Bhushan Mishra	02/11/22	Shakti Bhushan Mishra	03/11/22	Shakti Bhushan Mishra
19	1901219244	SHAKTIKANTA MALLIK	31/10/22	Shakti Kanta Mallik	01/11/22	Shakti Kanta Mallik	02/11/22	Shakti Kanta Mallik	03/11/22	Shakti Kanta Mallik
20	1901219245	SHEKHAR PRAHARAJ	31/10/22	Shekhar Pracharaj	01/11/22	Shekhar Pracharaj	02/11/22	Shekhar Pracharaj	03/11/22	Shekhar Pracharaj
21	1901219246	SIPUN NAIK	31/10/22	Sipun Naik	01/11/22	Sipun Naik	02/11/22	Sipun Naik	03/11/22	Sipun Naik
22	1901219247	SITAKANTA PANDA	31/10/22	Sitakanta Panda	01/11/22	Sitakanta Panda	02/11/22	Sitakanta Panda	03/11/22	Sitakanta Panda
23	1901219248	SMITA DAS	31/10/22	Smita Das	01/11/22	Smita Das	02/11/22	Smita Das	03/11/22	Smita Das
24	1901219249	SUBHRANSU SEKHAR DAS	31/10/22	Subhransu Sekhar Das	01/11/22	Subhransu Sekhar Das	02/11/22	Subhransu Sekhar Das	03/11/22	Subhransu Sekhar Das
25	1901219251	SUNIL CHAMPIA	31/10/22	Sunil Champia	01/11/22	Sunil Champia	02/11/22	Sunil Champia	03/11/22	Sunil Champia
26	1901219252	SUVAM PATTNAIK	31/10/22	Suvarn Pattnaik	01/11/22	Suvarn Pattnaik	02/11/22	Suvarn Pattnaik	03/11/22	Suvarn Pattnaik
27	1901219253	PABITRA BADAJENA	31/10/22	Pabitra Badajena	01/11/22	Pabitra Badajena	02/11/22	Pabitra Badajena	03/11/22	Pabitra Badajena
Signature of the Course Coordinator			<u>AWK</u>	<u>AWK</u>	<u>AWK</u>	<u>AWK</u>	<u>AWK</u>	<u>AWK</u>	<u>AWK</u>	<u>AWK</u>

(Signature)
 PRINCIPAL
 College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 04/a

Programme: **B.Tech in Electrical Engineering** Semester: **7th** Academic Year: **2022-23**

Name of the Course: Concepts of transformer core design Course Code (if any):

Duration : 5:30 to 7:30 pm

SL. NO.	Reg. No./ Enrollment No	NAME OF THE STUDENT	Date & Signature of the Student							
			Date:	Signature	Date:	Signature				
1	1901219116	JEEVANRAM HANSDAH	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
2	1901219117	NIKHIL EDISON SAMADA	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
3	1901219118	PRABIN KUMAR BEHERA	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
4	1901219120	SAGARIKA PRADHAN	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
5	1901219121	SIPUN KUMAR PATRA	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
6	1901219122	SONALI MURMU	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
7	1901219123	SUVENDU KUMAR ROUT	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
8	1901219231	ABINASH PATTANAYAK	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
9	1901219232	BISWANATH ROUT	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
10	1901219233	CHANDRA SEKHAR PRUSTY	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
11	1901219235	GYANARANJAN DALAI	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
12	1901219236	PRAFULLA KUMAR CHAMPPIA	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
13	1901219237	PRIVANKA PATRA	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
14	1901219238	RAMAN KUMAR PATRA	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
15	1901219239	RASHMI HEMBRAM	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]
16	1901219240	RUTURAJ NAYAK	04/11/22	[Signature]	09/11/22	[Signature]	10/11/22	[Signature]	11/11/22	[Signature]

Signature of the Course Coordinator

[Signature]
 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. SHEKHAR PRAHARAJ, student of the Department
of Electrical Engg. semester Seventh bearing registration number 1901219245
has successfully completed the ADD-ON Course titled Concepts of Transformer Core Design
conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

TRUE COPY

Course-Cordinator

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. SIPUNNAIK, student of the Department
of Electrical Engg. semester Seventh bearing registration number 1901219246
has successfully completed the ADD-ON Course titled Concepts of Transformer Core Design
conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

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. SITAKANTA PANDA, student of the Department
of Electrical Engg. semester Seventh bearing registration number 1901219247
has successfully completed the ADD-ON Course titled Concepts of Transformer Core Design
conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

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




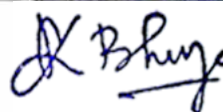
Certificate of Completion

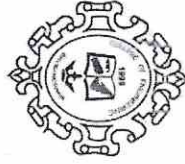
This is to certify that Mr./Ms. SMITA DAS, student of the Department
of Electrical Engg. semester Seventh bearing registration number 1901219248
has successfully completed the ADD-ON Course titled Concepts of Transformer Core Design
conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

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. SUNIL CHAMPPIA, student of the Department
of Electrical Engg. semester Seventh bearing registration number 1901219251
has successfully completed the ADD-ON Course titled Concepts of Transformer Core Design
conducted at College of Engineering Bhubaneswar in the academic year 2022-23.

TRUE COPY

Course-Coordinator

Principal

PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ENROLLMENT SHEET


Name of the Department: ELECTRICAL AND ELECTRONICS ENGINEERING	
Course Title: Concepts of transformer core design	
Semester : 7th	Academic Year: 2022-23

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	Abhisek Samal
2	1901219115	SAMIR DEBATA	Samir Debata
3	1901219223	AMARNATH SHARMA	Amarnath Sharma
4	1901219224	BIKASH PRADHAN	Bikash Pradhan
5	1901219225	BISWOMBAR MALIK	Biswombar Malik
6	1901219226	KAILASH PATI SWAIN	Kailash Pati Swain
7	1901219227	SAKTIKANTA SAHOO	Saktikanta Sahoo
8	1901219228	SUDIP DAS	Sudip Das
9	1901219230	TAPAN KUMAR SAHOO	Tapan Kumar Sahoo




PRINCIPAL
College of Engineering Bhubaneswar



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

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE

Sheet No. 01

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

Semester: **7th**

Academic Year: **2022-23**


Name of the Course: **Concepts of transformer core design**

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	1901219113	ABHISEK SAMAL	17/10/22	18/10/22	19/10/22	20/10/22
2	1901219115	SAMIR DEBATA	Samir debata	Samir debata	Abi	Samir debata
3	1901219223	AMARNATH SHARMA	Amar Nath Sharma	Amar Nath Sharma	Amar Nath Sharma	Amar Nath Sharma
4	1901219224	BIKASH PRADHAN	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan
5	1901219225	BISWOMBAR MALIK	Biswombar Mallick	Biswombar Mallick	Biswombar Mallick	Biswombar Mallick
6	1901219226	KAILASH PATI SWAIN	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain
7	1901219227	SAKTIKANTA SAHOO	Sakti Kantasahoo	Sakti Kantasahoo	Sakti Kantasahoo	Sakti Kantasahoo
8	1901219228	SUDIP DAS	Sudip Das	Sudip Das	Sudip Das	Sudip Das
9	1901219230	TAPAN KUMAR SAHOO	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo
Signature of the Course Coordinator			<u>AKB</u>	<u>AKB</u>	<u>AKB</u>	<u>AKB</u>


PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 02

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

Semester: **7th**

Academic Year: **2022-23**

Name of the Course: **Concepts of transformer core design**

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	1901219113	ABHISEK SAMAL	21/10/22 Abhisek Samal	26/10/22 Abhisek Samal	27/10/22 Abhisek Samal	28/10/22 Abhisek Samal
2	1901219115	SAMIR DEBATA	21/10/22 Hos Samir Debata	26/10/22 Samir Debata	27/10/22 Samir Debata	28/10/22 Samir Debata
3	1901219223	AMARNATH SHARMA	21/10/22 Amarnath Sharma	26/10/22 Amarnath Sharma	27/10/22 Amarnath Sharma	28/10/22 Amarnath Sharma
4	1901219224	BIKASH PRADHAN	21/10/22 Bikash Pradhan	26/10/22 Bikash Pradhan	27/10/22 Bikash Pradhan	28/10/22 Bikash Pradhan
5	1901219225	BISWOMBAR MALIK	21/10/22 Biswombar Malik	26/10/22 Biswombar Malik	27/10/22 Biswombar Malik	28/10/22 Biswombar Malik
6	1901219226	KAILASH PATI SWAIN	21/10/22 Kailash Pati Swain	26/10/22 Kailash Pati Swain	27/10/22 Kailash Pati Swain	28/10/22 Kailash Pati Swain
7	1901219227	SAKTIKANTA SAHOO	21/10/22 Saktikanta Sahoo	26/10/22 Saktikanta Sahoo	27/10/22 Saktikanta Sahoo	28/10/22 Saktikanta Sahoo
8	1901219228	SUDIP DAS	21/10/22 Sudip Das	26/10/22 Sudip Das	27/10/22 Sudip Das	28/10/22 Sudip Das
9	1901219230	TAPAN KUMAR SAHOO	21/10/22 Tapan Kumar Sahoo	26/10/22 Tapan Kumar Sahoo	27/10/22 Tapan Kumar Sahoo	28/10/22 Tapan Kumar Sahoo
Signature of the Course Coordinator			AMK	AMK	AMK	AMK


PRINCIPAL
College of Engineering Bhubaneswar



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

ADD ON / CERTIFICATE COURSE

STUDENT ATTENDANCE

Sheet No. 03

Programme: **B.Tech in Electrical and Electronics Engineering** Semester: **7th** Academic Year: **2022-23**

Name of the Course: **Concepts of transformer core design** 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:	Signature	Date:	Signature	Date:	Signature	Date:	Signature
1	1901219113	ABHISEK SAMAL	31/10/22	Abhisek Samal	01/11/22	Abhisek Samal	02/11/22	Abhisek Samal	03/11/22	Abhisek Samal
2	1901219115	SAMIR DEBATA	Samir debata	Samir debata	Samir debata	Samir debata	Samir debata	Samir debata	Samir debata	Samir debata
3	1901219223	AMARNATH SHARMA	Amarnath Sharma	Amarnath Sharma	Amarnath Sharma	Amarnath Sharma	Amarnath Sharma	Amarnath Sharma	Amarnath Sharma	Amarnath Sharma
4	1901219224	BIKASH PRADHAN	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan
5	1901219225	BISWOMBAR MAJIK	Biswombar Majik	Biswombar Majik	Biswombar Majik	Biswombar Majik	Biswombar Majik	Biswombar Majik	Biswombar Majik	Biswombar Majik
6	1901219226	KAILASH PATI SWAIN	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain
7	1901219227	SAKTIKANTA SAHOO	Saktikanta saho	Saktikanta saho	Saktikanta saho	Saktikanta saho	Saktikanta saho	Saktikanta saho	Saktikanta saho	Saktikanta saho
8	1901219228	SUDIP DAS	Sudip Das	Sudip Das	Sudip Das	Sudip Das	Sudip Das	Sudip Das	Sudip Das	Sudip Das
9	1901219230	TAPAN KUMAR SAHOO	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo	Tapan Ku Sahoo
Signature of the Course Coordinator										

PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 04

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

Semester: **7th**

Academic Year: **2022-23**


Name of the Course: **Concepts of transformer core design**

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	1901219113	ABHISEK SAMAL	04/11/22	09/11/22	10/11/22	11/11/22
2	1901219115	SAMIR DEBATA	Samir debata	Samir debata	Samir debata	Samir debata
3	1901219223	AMARNATH SHARMA	Amanrath Sharma	Amanrath Sharma	Amanrath Sharma	Amanrath Sharma
4	1901219224	BIKASH PRADHAN	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan
5	1901219225	BISWOMBAR MALIK	Biswombar Mallick	Biswombar Mallick	Biswombar Mallick	Biswombar Mallick
6	1901219226	KAILASH PATI SWAIN	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain
7	1901219227	SAKTIKANTA SAHOO	Saktikantachoo	Saktikantachoo	Saktikantachoo	Saktikantachoo
8	1901219228	SUDIP DAS	Sudip Das	Sudip Das	Sudip Das	Sudip Das
9	1901219230	TAPAN KUMAR SAHOO	Tapan Kumar Sahoo	Tapan Kumar Sahoo	Tapan Kumar Sahoo	Tapan Kumar Sahoo
Signature of the Course Coordinator			<u>AKS</u>	<u>AKS</u>	<u>AKS</u>	<u>NMS</u>


PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE

Sheet No. 05

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

Semester: **7th**

Academic Year: **2022-23**


Name of the Course: **Concepts of transformer core design**

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	1901219113	ABHISEK SAMAL	14/11/22	15/11/22	17/11/22	18/11/22
2	1901219115	SAMIR DEBATA	Samir debata	Samir debata	Samir debata	Abi.
3	1901219223	AMARNATH SHARMA	Amaranath Sharma	Amaranath sharma	Amaranath Sharma	Amaranath Sharma
4	1901219224	BIKASH PRADHAN	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan	Bikash Pradhan
5	1901219225	BISWOMBAR MALK	Biswambar Mallick	Biswambar Mallick	Biswambar Mallick	Biswambar Mallick
6	1901219226	KAILASH PATI SWAIN	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain	Kailash Pati Swain
7	1901219227	SAKTIKANTA SAHOO	Sakti Shankar saha	Sakti Shankar saha	Sakti Shankar saha	Sakti Shankar saha
8	1901219228	SUDIP DAS	Sudip Das	Sudip Das	Sudip Das	Sudip Das
9	1901219230	TAPAN KUMAR SAHOO	Tapan Kumar Sahoo	Tapan Kumar Sahoo	Tapan Kumar Sahoo	Tapan Kumar Sahoo
Signature of the Course Coordinator			AKS	AKS	AKS	AKS


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. ABHISEK SAMAL, student of the Department

of Electrical and Electronics Engg. semester Seventh bearing registration number 1901219113

has successfully completed the ADD-ON Course titled Concepts of Transforme Core Design

conducted at College of Engineering Bhubaneswar in the academic year 2022-23.


PRINCIPAL

College of Engineering Bhubaneswar

TRUE COPY



Course-Coordinator



Principal



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



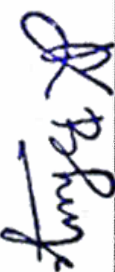
Certificate of Completion

This is to certify that Mr./Ms. SAMIR DEBATA, student of the Department

of Electrical and Electronics Engg. semester Seventh bearing registration number 1901219115

has successfully completed the ADD-ON Course titled Concepts of Transforme Core Design

conducted at College of Engineering Bhubaneswar in the academic year 2022-23


 PRINCIPAL

College of Engineering Bhubaneswar

TRUE COPY



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. AMARNATH SHARMA, student of the Department

of Electrical and Electronics Engg. semester Seventh bearing registration number 1901219223

has successfully completed the ADD-ON Course titled Concepts of Transforme Core Design

conducted at College of Engineering Bhubaneswar in the academic year 2022-23.


PRINCIPAL

College of Engineering Bhubaneswar

TRUE COPY



Course-Coordinator



Principal



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



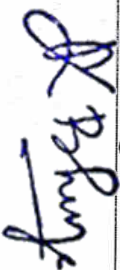
Certificate of Completion

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

of Electrical and Electronics Engg. semester Seventh bearing registration number 1901219224

has successfully completed the ADD-ON Course titled Concepts of Transforme Core Design

conducted at College of Engineering Bhubaneswar in the academic year 2022-23


PRINCIPAL

College of Engineering Bhubaneswar

TRUE COPY



Course-Coordinator



Principal



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



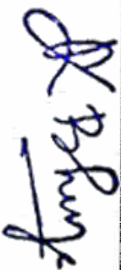
Certificate of Completion

This is to certify that Mr./Ms. KAILASH PATI SWAIN student of the Department

of Electrical and Electronics Engg. semester Seventh bearing registration number 1901219226

has successfully completed the ADD-ON Course titled Concepts of Transforme Core Design

conducted at College of Engineering Bhubaneswar in the academic year 2022-23


PRINCIPAL

College of Engineering Bhubaneswar

TRUE COPY



Course-Coordinator



Principal