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 : Mastering MATLAB through Guided Problem Solving

[Programme: B.Tech, EEE/EE]

SYLLABUS

Total Lecture Hours : 40

Course Objectives:

This course aims to enhance students' proficiency in MATLAB by using guided problem-solving exercises. Students will learn to apply MATLAB to solve a wide range of engineering, scientific, and data analysis problems, gaining hands-on experience and building a strong foundation in this versatile programming environment.

MODULE-I   Introduction to MATLAB   [10 Hours]

Overview of MATLAB and its capabilities, Basic MATLAB syntax and commands, Variables, data types, and vectors, MATLAB Programming Fundamentals: Control structures (loops and conditionals), Functions and scripts, Debugging techniques

MODULE-II   Data Analysis   [10 Hours]

Data Visualization: Plotting and customizing graphs, 2D and 3D visualization, Animation and interactive plots, Data Import and Export: Importing and exporting data files (e.g., CSV, Excel), Data preprocessing and cleaning, Working with complex data structures

MODULE-III   Numerical Computing   [08 Hours]

Linear algebra and matrix operations, Numerical integration and differentiation, Solving linear and nonlinear equations

MODULE-IV   Advanced MATLAB Topics   [12 Hours]

Signal processing and image processing, Optimization techniques, Simulink integration and model development, MATLAB Toolboxes: Introduction to specialized toolboxes (e.g., Statistics Toolbox, Image Processing Toolbox), Applications and case studies using toolboxes.

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

CO1: Upon successful completion of the course, students should be able to:
CO2: Effectively use MATLAB for data analysis, visualization, and numerical computation.
CO3: Solve engineering and scientific problems using MATLAB's built-in functions and toolboxes.
CO4: Develop and debug MATLAB code for complex applications.
CO5: Apply MATLAB to real-world problem-solving scenarios.
CO6: Work collaboratively on group projects involving MATLAB.

PRINCIPAL
College of Engineering Bhubaneswar

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. "MATLAB for Engineers" by Holly Moore
2. Ashish Tewari, Modern Control Design: with MATLAB and SIMULINK, Wiley, 2002.

Other Sources:

e-Learning Resources:

https://matlabacademy.mathworks.com/

Design and Developed by: Dr. P Jagannatham & Prof. Bishnupriya Das

Principal

PRINCIPAL
College of Engineering Bhubaneswar

PRINCIPAL
College of Engineering Bhubaneswar

HOD, Electrical Engineering

HOD
Electrical Engineering
College of Engineering Bhubaneswar

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	3rd	38	Dr. P Jagannatham, Assistant Professor
2	Applied System Theory	5th	40	Anshuman Nayak, Assistant Professor.
3	Mastering MATLAB through guided problem solving	7th	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
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: Mastering MATLAB through guided problem solving	
Semester : 7th	**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	1701219022	JYOTIPRAKASH DAS	
2	1701219031	ASHUTOSH MISHRA	
3	1701219101	SUBHAM MOHAPATRA	
4	1701219169	PRIYE RANJAN KUMAR	
5	1701219171	RAKESH BEHERA	
6	1701219277	SUBHASMITA SAHOO	
7	1701219278	SUVAKANTA DHALASAMANTA	
8	1701219279	SATYABRATA AMRUT RANJAN	
9	1701219280	TUNA BEHERA	
10	1701219282	SONAM NAYAK	
11	1701219283	SUBHASHREE BEHERA	

PRINCIPAL
College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF ELECTRICAL ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. _____ 01

Programme: **B.Tech in Electrical Engineering**   Semester: **7th**   Academic Year: **2020-21**

Name of the Course: Mastering MATLAB through guided problem solving   Course Code (if any):

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

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	1701219022	JYOTIPRAKASH DAS	P	P	P	A
2	1701219031	ASHUTOSH MISHRA	P	P	P	P
3	1701219101	SUBHAM MOHAPATRA	P	P	A	P
4	1701219169	PRIYE RANJAN KUMAR	A	P	P	P
5	1701219171	RAKESH BEHERA	P	P	P	P
6	1701219277	SUBHASMITA SAHOO	P	P	P	P
7	1701219278	SUVAKANTA DHALASAMANTA	P	P	P	P
8	1701219279	SATYABRATA AMRUT RANJAN	P	A	A	P
9	1701219280	TUNA BEHERA	P	P	P	P
10	1701219282	SONAM NAYAK	P	P	P	P
11	1701219283	SUBHASHREE BEHERA	P			A

Date & Signature of the Student

Signature of the Course Coordinator

PRINCIPAL
College of Engineering Bhubaneswar

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

STUDENT ATTENDANCE SHEET

Programme: **B.Tech in Electrical Engineering**   Semester: **7th**   Academic Year: **2020-21**

Name of the Course: Mastering MATLAB through guided problem solving   Course Code (if any):   Sheet No.____ **02**

Duration : 5:30pm—7:30pm

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	1701219022	JYOTIPRAKASH DAS	P	P	P	P		
2	1701219031	ASHUTOSH MISHRA	P	P	A	P		
3	1701219101	SUBHAM MOHAPATRA	P	P	P	P		
4	1701219169	PRIYE RANJAN KUMAR	P	P	P	P		
5	1701219171	RAKESH BEHERA	A	P	P	P		
6	1701219277	SUBHASMITA SAHOO	P	P	P	P		
7	1701219278	SUVAKANTA DHALASAMANTA	P	P	P	P		
8	1701219279	SATYABRATA AMRUT RANJAN	A	P	P	A		
9	1701219280	TUNA BEHERA	P	P	P	P		
10	1701219282	SONAM NAYAK	P	P	P	P		
11	1701219283	SUBHASHREE BEHERA	P	A	P	P		

Date & Signature of the Student

Signature of the Course Coordinator

PRINCIPAL
College of Engineering Bhubaneswar

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

STUDENT ATTENDANCE SHEET

Programme: **B.Tech in Electrical Engineering**   Semester: **7th**   Academic Year: **2020-21**

Name of the Course: Mastering MATLAB through guided problem solving   Course Code (if any):   Sheet No. _____ 03

Duration : 5:30pm - 7:30pm

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	170121909022	JYOTIPRAKASH DAS	A	P	P	P	
2	170121909031	ASHUTOSH MISHRA	P	P	P	P	
3	170121909101	SUBHAM MOHAPATRA	P	P	A	P	
4	170121909169	PRIYE RANJAN KUMAR	P	P	P	P	
5	170121909171	RAKESH BEHERA	P	P	P	P	
6	170121909177	SUBHASMITA SAHOO	P	P	P	P	
7	170121909178	SUVAKANTA DHALASAMANTA	P	P	P	P	
8	170121909179	SATYABRATA AMRUT RANJAN	P	P	P	P	
9	170121909180	TUNA BEHERA	P	P	P	P	
10	170121909282	SONAM NAYAK	P	P	P	A	
11	170121909283	SUBHASHREE BEHERA	P	P	P	P	

Date & Signature of the Student

Signature of the Course Coordinator

K. Bhuye
PRINCIPAL
College of Engineering Bhubaneswar

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

STUDENT ATTENDANCE SHEET

Programme: **B.Tech in Electrical Engineering**　　　Semester: **7th**　　Academic Year: **2020-21**

Name of the Course: Mastering MATLAB through guided problem solving　　Course Code (if any):　　Sheet No. ___ 04

Duration : 5:30pm-7:30pm

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	1701219022	JYOTIPRAKASH DAS	P	P	P	P
2	1701219031	ASHUTOSH MISHRA	P	P	P	P
3	1701219101	SUBHAM MOHAPATRA	P	P	P	A
4	1701219169	PRIYE RANJAN KUMAR	P	P	P	P
5	1701219171	RAKESH BEHERA	P	A	P	P
6	1701219277	SUBHASMITA SAHOO	P	P	P	P
7	1701219278	SUVAKANTA DHALASAMANTA	P	P	P	P
8	1701219279	SATYABRATA AMRUT RANJAN	P	A	P	A
9	1701219280	TUNA BEHERA	A	P	P	P
10	1701219282	SONAM NAYAK	P	P	P	P
11	1701219283	SUBHASHREE BEHERA	P	P	A	A

Date & Signature of the Student

Signature of the Course Coordinator

K Bhuyan
PRINCIPAL
College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF ELECTRICAL ENGINEERING

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 05

Programme: **B.Tech in Electrical Engineering**　　Semester: **7th**　　Academic Year: **2020-21**

Name of the Course: Mastering MATLAB through guided problem solving　　Course Code (if any):

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

SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 09/10/20	Date: 12/10/20	Date: 13/10/20	Date: 14/10/20
1	1701219022	JYOTIPRAKASH DAS	P	P	P	A
2	1701219031	ASHUTOSH MISHRA	P	P	P	P
3	1701219101	SUBHAM MOHAPATRA	P	P	P	P
4	1701219169	PRIYE RANJAN KUMAR	A	P	P	P
5	1701219171	RAKESH BEHERA	P	P	P	P
6	1701219277	SUBHASMITA SAHOO	P	P	P	P
7	1701219278	SUVAKANTA DHALASAMANTA	P	P	P	P
8	1701219279	SATYABRATA AMRUT RANJAN	P	P	P	P
9	1701219280	TUNA BEHERA	P	A	P	P
10	1701219282	SONAM NAYAK	P	P	A	P
11	1701219283	SUBHASHREE BEHERA	P	P	P	P

Date & Signature of the Student

Signature of the Course Coordinator

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. _____SUBHASMITA SAHOO_____

of _____Electrical Engg._____, student of the Department

_____ semester _____Seventh_____ bearing registration number _____170121927T_____

has successfully completed the ADD-ON Course titled _____Mastering MATLAB through guided problem solving_____

conducted at College of Engineering Bhubaneswar in the academic year _____2020-21_____.

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. _____ SUVAKANTA DHALASAMANTA _____

of _____ Electrical Engg. _____ , student of the Department

semester _____ Seventh _____ bearing registration number _____ 170121927 8 _____

has successfully completed the ADD-ON Course titled

_____ Mastering MATLAB through guided problem solving _____

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

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. ___SATYABRATA AMRUT RANJAN___, student of the Department

of ___Electrical Engg.___ semester ___Seventh___ bearing registration number ___170121 9279___

has successfully completed the ADD-ON Course titled ___Mastering MATLAB through guided problem solving___

conducted at College of Engineering Bhubaneswar in the academic year ___2020-21___.

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. _____ SONAM NAYAK _____

of _____ Electrical Engg. _____ , student of the Department

semester _____ Seventh _____ bearing registration number _____ 170121928 _____

has successfully completed the ADD-ON Course titled

_____ Mastering MATLAB through guided problem solving _____

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

Course-Coordinator

Principal

A Bhuje

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. **SUBHASHREE BEHERA**

of **Electrical Engg.**

semester **Seventh** bearing registration number **170121283**, student of the Department

has successfully completed the ADD-ON Course titled **Mastering MATLAB through guided problem solving**

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

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: Mastering MATLAB through guided problem solving	
Semester : 7th	**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	1701219071	SHIB SHANKAR SHAW	
2	1701219165	ASHISH KUMAR PODDAR	
3	1701219166	MEGHNATH SOREN	
4	1701219167	VISHAL KUMAR SINGH	
5	1701219168	GOVIND SOREN	
6	1701219271	JAGANNATH PRASAD SHA	
7	1701219272	SAI PRAVAT SAMAL	
8	1701219273	SUJIT KUMAR SAMANTARAY	
9	1701219275	NITISH KUMAR DEHURY	
10	1701219276	MANORAMA SAHOO	

PRINCIPAL
College of Engineering Bhubaneswar

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

STUDENT ATTENDANCE SHEET

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

Semester: **7th**

Academic Year: **2020-21**

Sheet No. **01**

Name of the Course: Mastering MATLAB through guided problem solving

Course Code (if any):

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

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	1701219071	SHIB SHANKAR SHAW	P	P	P	P
2	1701219165	ASHISH KUMAR PODDAR	P	P	P	P
3	1701219166	MEGHNNATH SOREN	P	P	P	A
4	1701219167	VISHAL KUMAR SINGH	P	P	P	P
5	1701219168	GOVIND SOREN	A	P	P	P
6	1701219271	JAGANNNATH PRASAD SHA	P	A	A	P
7	1701219272	SAI PRAVAT SAMAL	P	P	P	P
8	1701219273	SUJIT KUMAR SAMANTARAY	P	P	P	A
9	1701219275	NITISH KUMAR DEHURY	P	P	P	P
10	1701219276	MANORAMA SAHOO	P	P	P	P

Date & Signature of the Student

Signature of the Course Coordinator

X Bhuye

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. _____ 02

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

Semester: **7th**   Academic Year: **2020-21**

Name of the Course: Mastering MATLAB through guided problem solving   Course Code (if any):

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

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		
								Date & Signature of the Student
1	1701219071	SHIB SHANKAR SHAW	P	A	A	P		
2	1701219165	ASHISH KUMAR PODDAR	P	P	P	P		
3	1701219166	MEGHNATH SOREN	P	P	P	P		
4	1701219167	VISHAL KUMAR SINGH	P	P	P	P		
5	1701219168	GOVIND SOREN	P	P	P	P		
6	1701219271	JAGANNATH PRASAD SHA	P	P	P	P		
7	1701219272	SAI PRAVAT SAMAL	P	P	P	P		
8	1701219273	SUJIT KUMAR SAMANTARAY	A	P	P	P		
9	1701219275	NITISH KUMAR DEHURY	P	P	P	A		
10	1701219276	MANORAMA SAHOO	P	P	P	P		

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

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

Semester: **7th**

Academic Year: **2020-21**

Sheet No. ____ 03

Name of the Course: Mastering MATLAB through guided problem solving

Course Code (if any):

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

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	1701219071	SHIB SHANKAR SHAW	P	P	P	P
2	1701219165	ASHISH KUMAR PODDAR	P	P	P	P
3	1701219166	MEGHNATH SOREN	P	P	P	P
4	1701219167	VISHAL KUMAR SINGH	P	P	P	A
5	1701219168	GOVIND SOREN	P	P	P	P
6	1701219271	JAGANNATH PRASAD SHA	P	P	P	P
7	1701219272	SAI PRAVAT SAMAL	P	P	A	P
8	1701219273	SUJIT KUMAR SAMANTARAY	P	P	P	P
9	1701219275	NITISH KUMAR DEHURY	A	A	P	P
10	1701219276	MANORAMA SAHOO	P	P	P	P

Date & Signature of the Student

Signature of the Course Coordinator

DX Bhuj

PRINCIPAL
College of Engineering Bhubaneswar

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

STUDENT ATTENDANCE SHEET

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

Semester: **7th**

Academic Year: **2020-21**

Sheet No. _____ 04

Name of the Course: Mastering MATLAB through guided problem solving

Course Code (if any):

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

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
				Date & Signature of the Student		
1	1701219071	SHIB SHANKAR SHAW	P	P	P	P
2	1701219165	ASHISH KUMAR PODDAR	P	P	P	A
3	1701219166	MEGHNATH SOREN	P	P	P	P
4	1701219167	VISHAL KUMAR SINGH	P	A	P	P
5	1701219168	GOVIND SOREN	P	P	P	P
6	1701219271	JAGANNATH PRASAD SHA	A	P	A	P
7	1701219272	SAI PRAVAT SAMAL	P	P	P	P
8	1701219273	SUJIT KUMAR SAMANTARAY	P	P	P	A
9	1701219275	NITISH KUMAR DEHURY	P	P	P	P
10	1701219276	MANORAMA SAHOO	P	P	P	P

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

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

Name of the Course: Mastering MATLAB through guided problem solving

Semester: **7th**

Academic Year: **2020-21**

Course Code (if any):

Sheet No. **05**

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

SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 09/10/20	Date: 12/10/20	Date: 13/10/20	Date: 14/10/20
1	1701219071	SHIB SHANKAR SHAW	P	P	P	P
2	1701219165	ASHISH KUMAR PODDAR	P	P	P	P
3	1701219166	MEGHNATH SOREN	P	P	P	P
4	1701219167	VISHAL KUMAR SINGH	P	P	P	P
5	1701219168	GOVIND SOREN	P	A	P	P
6	1701219171	JAGANNATH PRASAD SHA	P	P	P	P
7	1701219272	SAI PRAVAT SAMAL	P	P	P	A
8	1701219273	SUJIT KUMAR SAMANTARAY	P	P	P	P
9	1701219275	NITISH KUMAR DEHURY	P	P	P	P
10	1701219276	MANORAMA SAHOO	P	P	P	P

Date & Signature of the Student

Signature of the Course Coordinator

X Bhuy

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. ____ GOVIND SOREN ____

of ____ Electrical & Electronics Engg. ____ semester ____ Seventh ____ bearing registration number ____ 1701219168 ____, student of the Department

has successfully completed the ADD-ON Course titled ____ Mastering MATLAB through guided problem solving ____

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

TRUE COPY

Course-Coordinator

Principal

PRINCIPAL
College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR

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

Certificate of Completion

This is to certify that Mr./Ms. _JAGANNATH PRASAD SHA_, student of the Department

of _Electrical & Electronics Engg._ semester _Seventh_ bearing registration number _170121927_

has successfully completed the ADD-ON Course titled _Mastering MATLAB through guided problem solving_

conducted at College of Engineering Bhubaneswar in the academic year _2020-21_.

Course-Coordinator

Principal

PRINCIPAL
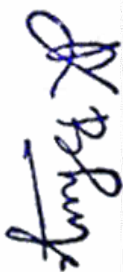College of Engineering Bhubaneswar

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. _____ SAI PRAVAT SAMAL _____

of _____ Electrical & Electronics Engg. _____, student of the Department

semester _Seventh_ bearing registration number _____ 170121 9272 _____

has successfully completed the ADD-ON Course titled

_____ Mastering MATLAB through guided problem solving _____

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

TRUE COPY

_____
Course-Coordinator

_____
Principal

PRINCIPAL
College of Engineering Bhubaneswar

COLLEGE OF ENGINEERING BHUBANESWAR

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

Certificate of Completion

This is to certify that Mr./Ms. __SUJIT KUMAR SAMANTARAY__, student of the Department

of __Electrical & Electronics Engg.__ semester __Seventh__ bearing registration number __170121973__

has successfully completed the ADD-ON Course titled __Mastering MATLAB through guided problem solving__

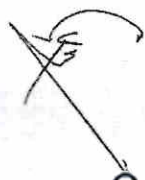conducted at College of Engineering Bhubaneswar in the academic year __2020-21__.

TRUE COPY

_____
Course-Coordinator

_____
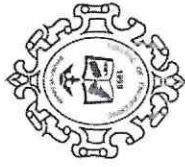Principal

College of Engineering Bhubaneswar

PRINCIPAL
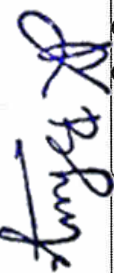College of Engineering Bhubaneswar

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. _____ MANORAMA SAHOO _____

of _____ Electrical & Electronics Engg. _____ semester _____ Seventh _____ bearing registration number _____ 170121927276 _____, student of the Department

has successfully completed the ADD-ON Course titled _____ Mastering MATLAB through guided problem solving _____

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

Course-Coordinator

Principal

PRINCIPAL
College of Engineering Bhubaneswar