



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024, Odisha, India.
[AFFILIATED TO BPUT, ODISHA]
www.coeb.ac.in

PG DEPARTMENT OF MASTER OF COMPUTER APPLICATION

ADD-ON COURSE : Cloud Deployment
[Programme: MCA]

Course Objectives:

- introduction to the basic concepts and terminology of cloud computing;
- acquaintance with the concept of cloud computing in relation to business;
- evaluate the efficiency of, long-term perspective, the study of economics of cloud computing;
- feasibility study to migrate existing applications to a cloud environment from both a technical and an economic point of view;
- introduction of cloud computing infrastructure and cloud programming;
- development of system administration skills for the development and maintenance of applications deployed in the cloud

SYLLABUS

Total Lecture Hours : 40

MODULE-I: Introduction

[8 periods]

History of Centralized and Distributed Computing – Overview of Distributed Computing, Cluster computing, Grid computing. Technologies for Network-based systems. System models for Distributed and cloud computing, Software environments for distributed systems and clouds.

MODULE-II Virtualization

[8 periods]

Introduction to Cloud Computing- Cloud issues and challenges – Properties –Characteristics – Service models, Deployment models. Cloud resources: Network and API – Virtual and Physical computational resources – Data-storage. Virtualization concepts – Types of Virtualization- Introduction to Various Hypervisors – High Availability (HA)/Disaster Recovery (DR) using Virtualization, Moving VMs.

MODULE-III Service Models

[8 periods]

Infrastructure as a Service (IaaS) – Resource Virtualization: Server, Storage, Network – Case studies. Platform as a Service (PaaS) – Cloud platform & Management: Computation, Storage – Case studies. Software as a Service(SaaS) – Web services – Web 2.0 – Web OS – Case studies – Anything as a service (XaaS) – Microservices.

MODULE-IV Cloud Programming and Software Environments

[5 periods]

Cloud Programming and Software Environments – Parallel and Distributed Programming paradigms – Current technologies – Programming support of App Engines – Emerging Cloud software Environment.

PRINCIPAL
College of Engineering Bhubaneswar

MODULE-V Cloud Access

[11 periods]

Authentication, authorization and accounting – Cloud Provenance and meta-data – Cloud Reliability and fault-tolerance – Cloud Security, privacy, policy and compliance- Cloud federation, interoperability and standards. The term is generally used to describe data centres available to many users over the Internet. Large clouds, predominant today, often have functions distributed over multiple locations from central servers. If the connection to the user is relatively close, it may be designated an edge server.

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

CO1: Articulate the main concepts, key technologies, strengths, limitations of cloud computing and the possible applications for state-of-the-art cloud computing.

CO2: Identify the architecture and infrastructure of cloud computing, including cloud delivery and deployment models.

CO3: Analyze the core issues of cloud computing such as security, privacy, and interoperability.

CO4: Identify problems, analyze, and evaluate various cloud computing solutions.

CO5: Analyze appropriate cloud computing solutions and recommendations according to the applications used.

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. Cloud computing a practical approach - Anthony T.Velte, Toby J. Velte Robert Elsenpeter, TATA McGraw-Hill, New Delhi - 2010
2. Cloud Computing: Web-Based Applications That Change the Way You Work and Collaborate Online - Michael Miller - Que 2008.
3. Cloud computing for dummies- Judith Hurwitz, Robin Bloor, Marcia Kaufman „Fern Halper, Wiley Publishing, Inc, 2010
4. Cloud Computing (Principles and Paradigms), Edited by Rajkumar Buyya, James Broberg, Andrzej Goscinski, John Wiley & Sons, Inc. 2011

Other Sources:

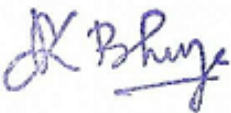
e-Learning Resources:

<https://cloud.google.com/docs/tutorials>


Design and Developed by: Prof. Chitta Ranjan Behera & Prof. Parimal Giri



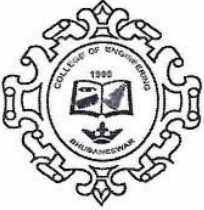
Principal



PRINCIPAL
College of Engineering Bhubaneswar



H.O.D, MCA
HOU MCA
COLLEGE OF ENGINEERING BHUBANESWAR



DEPARTMENT OF MCA

COLLEGE OF ENGINEERING BHUBANESWAR

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

[AFFILIATED TO BPUT, ODISHA]

www.coeb.ac.in

NOTICE

ADD-ON/CERTIFICATE COURSE


Ref No: COEB/MCA/2021/22

Date: 26/11/2021

It is for the information of all the students of **1st/ 3rd** semester that the classes for the Add-On/Certificate Courses for the **Academic Year 2021-22** will commence as per the time table given below.. The registration process for the course will start from 29/11/2021. The interested students to enroll themselves for the course are advised to contact the concerned Course Coordinators for the details.


Semester	Course Title	Course Coordinator	Date of Commencement
1st	Streaming Data: Concepts, Applications, and Technologies	Prof. Sandip Kumar Bala	06/12/2021
3rd	Cloud Deployment	Prof. Debarchana Rout	06/12/2021

The class timing will be from 5.30 pm to 7.30 pm.


Head of the Department
HOD MCA
COLLEGE OF ENGINEERING BHUBANESWAR

Copy to:

1. Office of the Chairman/ Vice-Chairman for kind information.
2. Office of the Executive Director for kind Information.
3. Office of the Registrar for kind Information.
3. Office of the Principal for kind information.
4. Departmental Notice Board.
5. Guard File


PRINCIPAL
College of Engineering Bhubaneswar


Head of the Department
HOD MCA
COLLEGE OF ENGINEERING BHUBANESWAR

**COLLEGE OF ENGINEERING BHUBANESWAR (COEB)****ADD-ON COURSE****STUDENT ENROLLMENT SHEET****Name of the Department:MCA****Course Title:Cloud Deployment****Semester : 3rd****Academic Year:2021-22**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	2005219001	ARADHANA PANDA	Aradhana Panda
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	Itishree P Swain
3	2005219003	KHAGESWAR NAYAK	Khageswar Nayak
4	2005219004	KHETRABASI BEHERA	Khetrabasi Behera
5	2005219005	PRASANJIT KHUNTIA	Prasanjit Khuntia
6	2005219006	AJAY KUMAR SARKAR	Ajay K Sarkar
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	Choudhury S Swain
8	2005219008	DIPTIMAYEE BISWAL	Dipti Mayee Biswal
9	2005219009	ELINA BANARJEE	Elina Banerjee
10	2005219011	JITENDRA KUMAR NAYAK	Jitendra Kumar Nayak
11	2005219012	JOGESWAR SINGH	Jogeswar Singh
12	2005219013	KAMAL KUMAR BEHERA	Kamal Kumar Behera
13	2005219014	MITRA RANI PANDA	Mitra R Panda
14	2005219015	MONALISHA SWAIN	Monalisha Swain
15	2005219016	MUSKAN BEHERA	Muskan Behera
16	2005219017	NAMRATA MOHAPATRA	Namrata Mohapatra
17	2005219018	PRATAP CHANDRA DEO	Pratap chandra Deo
18	2005219019	PUSPALATA BEHERA	Pupalata Behera
19	2005219020	RATNAKAR POLLAI	Ratnakar Pollai
20	2005219021	RUPAS RANJAN DEHURY	Rupas Ranjan Dehury
21	2005219022	SAMBIT KUMAR BEHERA	Sambit K Behera
22	2005219023	SANKHO SUBHRO NAG	S Subhro Nag
23	2005219024	SANTANU RANA	Santanu Rana
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal
25	2005219027	SAUMYAKANTA DAS	Saunyakanta Das
26	2005219028	SAUMYARANJAN DUTTA	Saunmya Ranjan Dutta
27	2005219029	SIBANGI MISHRA	Sibangi Mishra
28	2005219030	SILVA SAMAL	Silva Samal
29	2005219031	SITESH KUMAR SWAIN	Sitesh K Swain



Dut

K. B. Singh

PRINCIPAL

College of Engineering Bhubaneswar

Sl. No.	Registration No.	Name of the Student	Signature of the Student
30	2005219032	SOUMYASHREE PANDA	Soumya Shree Panda
31	2005219033	SUBHAKANTA SAHU	Subhakanta Sahu
32	2005219034	SUMAN KUMAR DASH	Suman Ku Dash
33	2005219035	SUMANTA KUMAR ACHARYA	Sumanta Ku Acharya
34	2005219036	SUSHREE SUBHASHMITA PANDA	Sushree S Panda
35	2005219037	SUVAM KUMAR PARIDA	Suvam K Parida
36	2005219038	SWABHIMAN MISHRA	Swabhiman Mishra
37	2005219039	SWAGATIKA BARIK	Swagatika Barik
38	2005219040	SWETAPADMA ROUT	Swetapadma Rout
39	2005219041	TAPAS KUMAR BHOI	Tapas K Bhoi
40	2005219042	TUSHAR RANJAN ROUT	Tushar Rn Rout



Dout

A. Bhuje

PRINCIPAL

College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MCA

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 01

Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 06-12-21
1	2005219001	ARADHANA PANDA	Aradhana Panda
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	Itishree P Swain
3	2005219003	KHAGESWAR NAYAK	Khageswar Nayak
4	2005219004	KHETRABASI BEHERA	Khatabasi Behera
5	2005219005	PRASANJIT KHUNTIA	Prasanjit Khuntia
6	2005219006	AJAY KUMAR SARKAR	Ajay K Sarkar
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	Choudhury S Swain
8	2005219008	DIPTIMAYEE BISWAL	Dipti Mayee Biswal
9	2005219009	ELINA BANARJEE	Elina Banarjee
10	2005219011	JITENDRA KUMAR NAYAK	Jitendra Kumar Nayak
11	2005219012	JOGESWAR SINGH	Jogeswar Singh
12	2005219013	KAMAL KUMAR BEHERA	Kamal K. Behera
13	2005219014	MITRA RANI PANDA	Mitra R Panda
14	2005219015	MONALISHA SWAIN	Monalisha Swain
15	2005219016	MUSKAN BEHERA	Muskan Behera
16	2005219017	NAMRATA MOHAPATRA	Namrata Mohapatra
17	2005219018	PRATAP CHANDRA DEO	Pratap Chandra Deo
18	2005219019	PUSPALATA BEHERA	Puspallata Behera
19	2005219020	RATNAKAR POLLAI	Ratnakar Pollai
20	2005219021	RUPAS RANJAN DEHURY	Rupas Ranjan Dehury
21	2005219022	SAMBIT KUMAR BEHERA	Sambit K Behera
22	2005219023	SANKHO SUBHRO NAG	Sankho Subhro Nag
23	2005219024	SANTANU RANA	Santanu Rana

PRINCIPAL

 College of Engineering Bhubaneswar

Date: 07-12-21

Date: 08-12-21



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

STUDENT ATTENDANCE SHEET

Sheet No. 01

Programme: **Master in Computer Application**

Semester: 3rd Academic Year: **2021-22**

Name of the Course: **Cloud Deployment**

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 06-12-21
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal
25	2005219027	SAUMYAKANTA DAS	Saumyakanta Das
26	2005219028	SAUMYARANJAN DUTTA	S. Dutta
27	2005219029	SIBANGI MISHRA	Sibangi Mishra
28	2005219030	SILVA SAMAL	Silva Samal
29	2005219031	SITESH KUMAR SWAIN	Sitesh k Swain
30	2005219032	SOUMYASHREE PANDA	Soumya, Shree Panda
31	2005219033	SUBHAKANTA SAHU	Seebhakanta Sahu
32	2005219034	SUMAN KUMAR DASH	Suman ku Dash
33	2005219035	SUMANTA KUMAR ACHARYA	Sumanta ku Acharya
34	2005219036	SUSHREE SUBHASHMITA PANDA	Sushree S Panda
35	2005219037	SUVAM KUMAR PARIDA	Suvarn K Parida
36	2005219038	SWABHIMAN MISHRA	Swabhiman Mishra
37	2005219039	SWAGATIKA BARIK	Swagatika Barik
38	2005219040	SWETAPADMA ROUTH	Swetapadma Routh
39	2005219041	TAPAS KUMAR BHOI	Tapas K Bhoi
40	2005219042	TUSHAR RANJAN ROUTH	Tushar Rn Routh

PRINCIPAL
 College of Engineering Bhubaneswar

Signature of the Course Coordinator

[Signature]



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

STUDENT ATTENDANCE SHEET

Sheet No. 02

Programme: **Master in Computer Application**

Name of the Course: **Cloud Deployment**

Semester: 3rd Academic Year: **2021-22**

Course Code (if any): PG-2

SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date & Signature of the Student	
			Date: 09-12-21	Date: 10-12-21
1	2005219001	ARADHANA PANDA	Aradhana Panda	Aradhana Panda
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	Itishree P Swain	Itishree P Swain
3	2005219003	KHAGESWAR NAYAK	← ABS →	Khageswar Nayak
4	2005219004	KHETRABASI BEHERA	Prasanjit Khuntia	Khetra Basi Behera
5	2005219005	PRASANJIT KHUNTIA	Ajay K Sarkar	Prasanjit Khuntia
6	2005219006	AJAY KUMAR SARKAR	Choudhury S Swain	Ajay K Sarkar
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	Dipti Mayee Biswal	Choudhury S Swain
8	2005219008	DIPTIMAYEE BISWAL	Elina Banarjee	← ABS →
9	2005219009	ELINA BANARJEE	Jitendra Kumar Nayak	Elina Banarjee
10	2005219011	JITENDRA KUMAR NAYAK	Jogeswar Singh	Jitendra Kumar Nayak
11	2005219012	JOGESWAR SINGH	Kamal Kumar Behera	Jogeswar Singh
12	2005219013	KAMAL KUMAR BEHERA	Mitra Rani Panda	Jogeswar Singh
13	2005219014	MITRA RANI PANDA	Monalisa Swain	Kamal K. Behera
14	2005219015	MONALISHA SWAIN	Muskan Behera	Mitra R Panda
15	2005219016	MUSKAN BEHERA	Namrata Mohapatra	Monalisa Swain
16	2005219017	NAMRATA MOHAPATRA	Pratap Chandra Deo	Muskan Behera
17	2005219018	PRATAP CHANDRA DEO	Puspallata Behera	← ABS →
18	2005219019	PUSPALATA BEHERA	Ratnakar Pollai	Pratap Chandra Deo
19	2005219020	RATNAKAR POLLAI	Rupas Ranjan Dehury	Puspallata Behera
20	2005219021	RUPAS RANJAN DEHURY	Sambit Kumar Behera	Ratnakar Pollai
21	2005219022	SAMBIT KUMAR BEHERA	Sankho Subhro Nag	← ABS →
22	2005219023	SANKHO SUBHRO NAG	Santanu Rana	Rupas Ranjan Dehury
23	2005219024	SANTANU RANA	← abs →	Sambit K Behera

PRINCIPAL
[Signature]
 College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MCA

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 02

Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 10-12-21
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal
25	2005219027	SAUMYAKANTA DAS	Saumyakanta Das
26	2005219028	SAUMYARANJAN DUTTA	S. Dutta
27	2005219029	SIBANGI MISHRA	Sibangi Mishra
28	2005219030	SILVA SAMAL	Silva Samal
29	2005219031	SITESH KUMAR SWAIN	Sitesh k Swain
30	2005219032	SOUMYASHREE PANDA	Soumyashree Panda
31	2005219033	SUBHAKANTA SAHU	Subhakanta Sahu
32	2005219034	SUMAN KUMAR DASH	Suman Ku Dash
33	2005219035	SUMANTA KUMAR ACHARYA	Sumanta Ku Acharya
34	2005219036	SUSHREE SUBHASHMITA PANDA	Sushree S Panda
35	2005219037	SUVAM KUMAR PARIDA	Suvam K Parida
36	2005219038	SWABHIMAN MISHRA	Swabhiman Mishra
37	2005219039	SWAGATIKA BARIK	Swagatika Barik
38	2005219040	SWETAPADMA ROUT	Swetapadma Rout
39	2005219041	TAPAS KUMAR BHOI	Tapas K Bhoi
40	2005219042	TUSHAR RANJAN ROUT	Tushar Rn Rout

Signature of the Course Coordinator

Dut

Dut

Dut

PRINCIPAL
College of Engineering Bhubaneswar



Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student		
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 15-12-21	Date: 16-12-21
1	2005219001	ARADHANA PANDA	Aradhana Panda	Aradhana Panda
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	← ABS → Itishree P Swain	Itishree P Swain
3	2005219003	KHAGESWAR NAYAK	Khageswar Nayak	Khageswar Nayak
4	2005219004	KHETRABASI BEHERA	Khetrabasi Behera	Khetrabasi Behera
5	2005219005	PRASANJIT KHUNTIA	Prasanjit Khuntia	Prasanjit Khuntia
6	2005219006	AJAY KUMAR SARKAR	← ABS → Ajay K Sarkar	Ajay K Sarkar
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	← ABS → Choudhury S Swain	Choudhury S Swain
8	2005219008	DIPTIMAYEE BISWAL	Dipti Mayee Biswal	Dipti Mayee Biswal
9	2005219009	ELINA BANARJEE	Elina Banarjee	Elina Banarjee
10	2005219011	JITENDRA KUMAR NAYAK	← ABS → Jitendra Kumar Nayak	Jitendra Kumar Nayak
11	2005219012	JOGESWAR SINGH	Jogeswar Singh	Jogeswar Singh
12	2005219013	KAMAL KUMAR BEHERA	Kamal K. Behera	Kamal K. Behera
13	2005219014	MITRA RANI PANDA	Mitra R Panda	Mitra R Panda
14	2005219015	MONALISHA SWAIN	Monalisha Swain	Monalisha Swain
15	2005219016	MUSKAN BEHERA	Muskan Behera	Muskan Behera
16	2005219017	NAMRATA MOHAPATRA	← ABS → Namrata Mohapatra	← ABS →
17	2005219018	PRATAP CHANDRA DEO	Pratap Chandraseo	Pratap Chandraseo
18	2005219019	PUSPALATA BEHERA	Puspallata Behera	Puspallata Behera
19	2005219020	RATNAKAR POLLAI	Ratnakar Pollai	Ratnakar Pollai
20	2005219021	RUPAS RANJAN DEHURY	Rupas Ranjan Dehury	Rupas Ranjan Dehury
21	2005219022	SAMBIT KUMAR BEHERA	Sambit K Behera	Sambit K Behera
22	2005219023	SANKHO SUBHRO NAG	S. Subhro Nag	S. Subhro Nag
23	2005219024	SANTANU RANA	Santanu Rana	Santanu Rana

PRINCIPAL
 College of Engineering Bhubaneswar



Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 15-12-21
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal ← ABS →
25	2005219027	SAUMYAKANTA DAS	Saumyakanta Das ← ABS →
26	2005219028	SAUMYARANJAN DUTTA	S. Deotta ← ABS →
27	2005219029	SIBANGI MISHRA	Sibangi Mishra ← ABS →
28	2005219030	SILVA SAMAL	Silva Samal ← ABS →
29	2005219031	SITESH KUMAR SWAIN	Sitesh k Swain ← ABS →
30	2005219032	SOUMYASHREE PANDA	Soumya, Shree P. Panda ← ABS →
31	2005219033	SUBHAKANTA SAHU	Sebhakanta Sahu ← ABS →
32	2005219034	SUMAN KUMAR DASH	Suman ku Dash ← ABS →
33	2005219035	SUMANTA KUMAR ACHARYA	Sumanta ku Acharya ← ABS →
34	2005219036	SUSHREE SUBHASHMITA PANDA	Sushree S Panda ← ABS →
35	2005219037	SUVAM KUMAR PARIDA	Swam K Parida ← ABS →
36	2005219038	SWABHIMAN MISHRA	Swabhiman Mishra ← ABS →
37	2005219039	SWAGATIKA BARIK	Swagatika Barik ← ABS →
38	2005219040	SWETAPADMA ROUT	Sweta Padma Rout ← ABS →
39	2005219041	TAPAS KUMAR BHOI	Tapas K Bhoi ← ABS →
40	2005219042	TUSHAR RANJAN ROUT	Tushar Rn Rout ← ABS →
Signature of the Course Coordinator		Date	

PRINCIPAL
College of Engineering Bhubaneswar

Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 20-12-21
1	2005219001	ARADHANA PANDA	Aradhana Panda
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	Itishree P Swain
3	2005219003	KHAGESWAR NAYAK	Khageswar Nayak
4	2005219004	KHETRABASI BEHERA	Khetrabasi Behera
5	2005219005	PRASANJIT KHUNTIA	Pransanjit Khuntia
6	2005219006	AJAY KUMAR SARKAR	Ajay K Sarkar
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	Choudhury S Swain
8	2005219008	DIPTIMAYEE BISWAL	Dipti Mayee Biswal
9	2005219009	ELINA BANARJEE	Elina Banarjee
10	2005219011	JITENDRA KUMAR NAYAK	Jitendra Kumar Nayak
11	2005219012	JOGESWAR SINGH	Jogeswar Singh
12	2005219013	KAMAL KUMAR BEHERA	Kamal Kumar Behera
13	2005219014	MITRA RANI PANDA	Mitra R Panda
14	2005219015	MONALISHA SWAIN	Monalisha Swain
15	2005219016	MUSKAN BEHERA	Muskan Behera
16	2005219017	NAMRATA MOHAPATRA	Namrata Mohapatra
17	2005219018	PRATAP CHANDRA DEO	Pratap Chandra Deo
18	2005219019	PUSPALATA BEHERA	Puspallata Behera
19	2005219020	RATNAKAR POLLAI	Ratnakar Pollai
20	2005219021	RUPAS RANJAN DEHURY	Rupas Ranjan Dehury
21	2005219022	SAMBIT KUMAR BEHERA	Sambit K Behera
22	2005219023	SANKHO SUBHRO NAG	Sankho Subhro Nag
23	2005219024	SANTANU RANA	Santanu Rana



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MCA

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 04

Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 20-12-21
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal
25	2005219027	SAUMYAKANTA DAS	Saumyakanta Das
26	2005219028	SAUMYARANJAN DUTTA	S. Dutta
27	2005219029	SIBANGI MISHRA	Sibangi Mishra
28	2005219030	SILVA SAMAL	Silva Samal
29	2005219031	SITESH KUMAR SWAIN	Sitesh K Swain
30	2005219032	SOUMYASHREE PANDA	Soumyashree Panda
31	2005219033	SUBHAKANTA SAHU	Subhakanta Sahu
32	2005219034	SUMAN KUMAR DASH	Suman Ku Dash
33	2005219035	SUMANTA KUMAR ACHARYA	Sumanta KUACHARYA
34	2005219036	SUSHREE SUBHASHMITA PANDA	Sushree S Panda
35	2005219037	SUVAM KUMAR PARIDA	Suvam K Parida
36	2005219038	SWABHIMAN MISHRA	Swabhiman Mishra
37	2005219039	SWAGATIKA BARIK	Swagatika Barik
38	2005219040	SWETAPADMA ROUT	Swetapadma Rout
39	2005219041	TAPAS KUMAR BHOI	Tapas K Bhoi
40	2005219042	TUSHAR RANJAN ROUT	Tushar Ra Rout

PRINCIPAL
College of Engineering Bhubaneswar

Signature of the Course Coordinator

Signature of the Course Coordinator



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MCA

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 05

Semester: 3rd Academic Year: 2021-22

Programme: Master in Computer Application

Name of the Course: Cloud Deployment Course Code (if any): PG-2

Duration : 40 Hours			Date & Signature of the Student	
Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 22-12-21	Date: 23-12-21
1	2005219001	ARADHANA PANDA	Aradhana Panda	Aradhana Panda
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	Itishree P Swain	Itishree P Swain
3	2005219003	KHAGESWAR NAYAK	Khageswar Nayak	Khageswar Nayak
4	2005219004	KHETRABASI BEHERA	KhetraBasi Behera	← ABS →
5	2005219005	PRASANJIT KHUNTIA	Prasanjit Khuntia	Prasanjit Khuntia
6	2005219006	AJAY KUMAR SARKAR	Ajay K Sarkar	Ajay K Sarkar
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	Choudhury S Swain	Choudhury S Swain
8	2005219008	DIPTIMAYEE BISWAL	Dipti Mayee Biswal	← ABS →
9	2005219009	ELINA BANARJEE	Elina Banarjee	Elina Banarjee
10	2005219011	JITENDRA KUMAR NAYAK	Jitendra Kumar Nayak	Jitendra Kumar Nayak
11	2005219012	JOGESWAR SINGH	Jogeeswar Singh	Jogeeswar Singh
12	2005219013	KAMAL KUMAR BEHERA	Kamal Kumar Behera	Kamal Kumar Behera
13	2005219014	MITRA RANI PANDA	Mitra R Panda	Mitra R Panda
14	2005219015	MONALISHA SWAIN	Monalisha Swain	Monalisha Swain
15	2005219016	MUSKAN BEHERA	Muskan Behera	Muskan Behera
16	2005219017	NAMRATA MOHAPATRA	Namrata Mohapatra	← ABS →
17	2005219018	PRATAP CHANDRA DEO	Pratap Chandras	Pratap Chandras
18	2005219019	PUSPALATA BEHERA	Puspallata Behera	Puspallata Behera
19	2005219020	RATNAKAR POLLAI	Ratnakar Pollai	Ratnakar Pollai
20	2005219021	RUPAS RANJAN DEHURY	Rupas Ranjan Dehury	Rupas Ranjan Dehury
21	2005219022	SAMBIT KUMAR BEHERA	Sambit K Behera	Sambit K Behera
22	2005219023	SANKHO SUBHRO NAG	S Subhro Nag	S Subhro Nag
23	2005219024	SANTANU RANA	Santanu Rana	Santanu Rana

PRINCIPAL
College of Engineering Bhubaneswar



STUDENT ATTENDANCE SHEET

Sheet No. 05

Programme: **Master in Computer Application**

Semester: 3rd Academic Year: **2021-22**

Name of the Course: **Cloud Deployment**

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 22-12-21
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal
25	2005219027	SAUMYAKANTA DAS	Saumyakanta Das
26	2005219028	SAUMYARANJAN DUTTA	S. Dutta
27	2005219029	SIBANGI MISHRA	Sibangi Mishra
28	2005219030	SILVA SAMAL	Silva Samal
29	2005219031	SITESH KUMAR SWAIN	Sitesh K Swain
30	2005219032	SOUMYASHREE PANDA	Soumyashree Panda
31	2005219033	SUBHAKANTA SAHU	Subhakanta Sahu
32	2005219034	SUMAN KUMAR DASH	Suman Ku Dash
33	2005219035	SUMANTA KUMAR ACHARYA	Sumanta Ku Acharya
34	2005219036	SUSHREE SUBHASHMITA PANDA	Sushree S Panda
35	2005219037	SUVAM KUMAR PARIDA	Suvaran K Parida
36	2005219038	SWABHIMAN MISHRA	Swabhiman Mishra
37	2005219039	SWAGATIKA BARIK	Swagatika Barik
38	2005219040	SWETAPADMA ROUT	Swetapadma Rout
39	2005219041	TAPAS KUMAR BHOI	Tapas K Bhoi
40	2005219042	TUSHAR RANJAN ROUT	Tushar Rn Rout

Signature of the Course Coordinator

PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MCA

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 06

Semester: 3rd Academic Year: **2021-22**

Programme: **Master in Computer Application**

Name of the Course: **Cloud Deployment** Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 07-01-22
1	2005219001	ARADHANA PANDA	Aradhana Panda
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	Itishree P Swain
3	2005219003	KHAGESWAR NAYAK	Khageswar Nayak
4	2005219004	KHETRABASI BEHERA	Khetra Basu Behera
5	2005219005	PRASANJIT KHUNTIA	Prasanjit Khuntia
6	2005219006	AJAY KUMAR SARKAR	Ajay K Sarkar
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	Choudhury S Swain
8	2005219008	DIPTIMAYEE BISWAL	Dipti Mayee Biswal
9	2005219009	ELINA BANARJEE	Elina Banarjee
10	2005219011	JITENDRA KUMAR NAYAK	Jitendra Kumar Nayak
11	2005219012	JOGESWAR SINGH	Jogeswar Singh
12	2005219013	KAMAL KUMAR BEHERA	Kamal Ku. Behera
13	2005219014	MITRA RANI PANDA	Mitra R Panda
14	2005219015	MONALISHA SWAIN	Monalisha Swain
15	2005219016	MUSKAN BEHERA	Muskan Behera
16	2005219017	NAMRATA MOHAPATRA	Namrata Mohapatra
17	2005219018	PRATAP CHANDRA DEO	Pratap Chandra Deo
18	2005219019	PUSPALATA BEHERA	Puspallata Behera
19	2005219020	RATNAKAR POLLAI	Ratnakar Pollai
20	2005219021	RUPAS RANJAN DEHURY	Rupas Ranjan Dehury
21	2005219022	SAMBIT KUMAR BEHERA	Sambit K Behera
22	2005219023	SANKHO SUBHRO NAG	S Subhro Nag
23	2005219024	SANTANU RANA	Santanu Rana

PRINCIPAL
College of Engineering Bhubaneswar

STUDENT ATTENDANCE SHEET

Sheet No. 06

Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 07-01-22
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal
25	2005219027	SAUMYAKANTA DAS	Saumyakanta Das
26	2005219028	SAUMYARANJAN DUTTA	S. Dutta
27	2005219029	SIBANGI MISHRA	Sibangi Mishra
28	2005219030	SILVA SAMAL	Silva Samal
29	2005219031	SITESH KUMAR SWAIN	Sitesh k Swain
30	2005219032	SOUMYASHREE PANDA	Soumyashree Panda
31	2005219033	SUBHAKANTA SAHU	← ABS →
32	2005219034	SUMAN KUMAR DASH	Subhankanta Sahu
33	2005219035	SUMANTA KUMAR ACHARYA	Suman Ku Dash
34	2005219036	SUSHREE SUBHASMITA PANDA	Sumanta Ku Acharya
35	2005219037	SUVAM KUMAR PARIDA	Sushree S Panda
36	2005219038	SWABHIMAN MISHRA	Suvarn K Parida
37	2005219039	SWAGATIKA BARIK	Swabhiman Mishra
38	2005219040	SWETAPADMA ROUT	← ABS →
39	2005219041	TAPAS KUMAR BHOI	Swetapadma Rout
40	2005219042	TUSHAR RANJAN ROUT	Tapas K Bhoi

Signature of the Course Coordinator

[Signature]

[Signature]

[Signature]

PRINCIPAL
College of Engineering Bhubaneswar



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

STUDENT ATTENDANCE SHEET

Sheet No. 67

Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student			
Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 11-01-22	Date: 12-01-22	Date:
1	2005219001	ARADHANA PANDA	Aradhana Panda	Aradhana Panda	
2	2005219002	ITISHREE PRIYADARSHINI SWAIN	Itishree P Swain	Itishree P Swain	
3	2005219003	KHAGESWAR NAYAK	Khageswar Nayak	Khageswar Nayak	
4	2005219004	KHETRABASI BEHERA	Khetra Bari Behera	Khetra Bari Behera	
5	2005219005	PRASANJIT KHUNTIA	Prasanjit Khuntia	Prasanjit Khuntia	
6	2005219006	AJAY KUMAR SARKAR	Ajay K Sarkar	Ajay K Sarkar	
7	2005219007	CHOUDHURY SATYAPRAKSH SWAIN	Choudhury S Swain	Choudhury S Swain	
8	2005219008	DIPTIMAYEE BISWAL	Dipti Mayee Biswal	Dipti Mayee Biswal	
9	2005219009	ELINA BANARJEE	Elina Banarjee	Elina Banarjee	
10	2005219011	JITENDRA KUMAR NAYAK	Jitendra Kumar Nayak	Jitendra Kumar Nayak	
11	2005219012	JOGESWAR SINGH	Jogeeswar Singh	Jogeeswar Singh	
12	2005219013	KAMAL KUMAR BEHERA	Kamal Ku. Behera	Kamal Ku. Behera	
13	2005219014	MITRA RANI PANDA	Mitra R Panda	Mitra R Panda	
14	2005219015	MONALISHA SWAIN	Monalisha Swain	Monalisha Swain	
15	2005219016	MUSKAN BEHERA	Muskan Behera	Muskan Behera	
16	2005219017	NAMRATA MOHAPATRA	Namrata Mohapatra	Namrata Mohapatra	
17	2005219018	PRATAP CHANDRA DEO	Pratap Chandra Deo	Pratap Chandra Deo	
18	2005219019	PUSPALATA BEHERA	Puspallata Behera	Puspallata Behera	
19	2005219020	RATNAKAR POLLAI	Ratnakar Pollai	Ratnakar Pollai	
20	2005219021	RUPAS RANJAN DEHURY	Rupas Ranjan Dehury	Rupas Ranjan Dehury	
21	2005219022	SAMBIT KUMAR BEHERA	Sambit K Behera	Sambit K Behera	
22	2005219023	SANKHO SUBHRO NAG	S. Subhra Nag	S. Subhra Nag	
23	2005219024	SANTANU RANA	Santanu Rana	Santanu Rana	

PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)

DEPARTMENT OF MCA

ADD ON/CERTIFICATE COURSE

STUDENT ATTENDANCE SHEET

Sheet No. 07

Programme: Master in Computer Application

Semester: 3rd Academic Year: 2021-22

Name of the Course: Cloud Deployment

Course Code (if any): PG-2

Duration : 40 Hours		Date & Signature of the Student	
Sl. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 11-01-22
24	2005219026	SATYAPRAKASH SAMAL	Satyaprakash Samal
25	2005219027	SAUMYAKANTA DAS	Saumyakanta Das
26	2005219028	SAUMYARANJAN DUTTA	S. Dutta
27	2005219029	SIBANGI MISHRA	Sibangi Mishra
28	2005219030	SILVA SAMAL	Silva Samal
29	2005219031	SITESH KUMAR SWAIN	Sitesh K Swain
30	2005219032	SOUMYASHREE PANDA	Soumyashree Panda
31	2005219033	SUBHAKANTA SAHU	Subhakanta Sahu
32	2005219034	SUMAN KUMAR DASH	Suman K Dash
33	2005219035	SUMANTA KUMAR ACHARYA	Sumanta K Acharya
34	2005219036	SUSHREE SUBHASHMITA PANDA	Sushree S Panda
35	2005219037	SUVAM KUMAR PARIDA	Suvaran K Parida
36	2005219038	SWABHIMAN MISHRA	Swabhiman Mishra
37	2005219039	SWAGATIKA BARIK	Swagatika Barik
38	2005219040	SWETAPADMA ROUT	Swetapadma Rout
39	2005219041	TAPAS KUMAR BHOI	Tapas K Bhoi
40	2005219042	TUSHAR RANJAN ROUT	Tushar Ran Rout

Signature of the Course Coordinator

Drak

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. JITENDRA KUMAR NAYAK, student of the Department

of MCA semester Third bearing registration number 2005219011

has successfully completed the ADD-ON Course titled Cloud Deployment

conducted at College of Engineering Bhubaneswar in the academic year 2021-22

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. JOGESWAR SINGH, student of the Department

of MCA semester Third bearing registration number 2005219012

has successfully completed the ADD-ON Course titled Cloud Deployment

conducted at College of Engineering Bhubaneswar in the academic year 2021-22

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. KAMAL KUMAR BEHERA, student of the Department

of MCA semester Third bearing registration number 2005219013

has successfully completed the ADD-ON Course titled Cloud Deployment

conducted at College of Engineering Bhubaneswar in the academic year 2021-22

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. MITRA RANI PANDA, student of the Department

of MCA semester Third bearing registration number 2005219014

has successfully completed the ADD-ON Course titled Cloud Deployment

conducted at College of Engineering Bhubaneswar in the academic year 2021-22

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. MONALISHA SWAIN, student of the Department

of MCA semester Third bearing registration number 2005219015

has successfully completed the ADD-ON Course titled Cloud Deployment

conducted at College of Engineering Bhubaneswar in the academic year 2021-22

TRUE COPY

Course-Coordinator

Principal

PRINCIPAL
College of Engineering Bhubaneswar