



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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ADD-ON COURSE : Data Science

[Programme: B.Tech, CSE]

Course Objectives:

To help students learn about data science that includes application of various methods on different kind of data like day to day data, scientific data, industrial data or big data; with application of techniques like formatting data, cleaning up data, summarizing data, analyzing data and plotting data with relevant methods.

SYLLABUS

Total Lecture Hours : 40

MODULE-I: Introduction to Data Science

[05 Hours]

- Overview
- Data Science and Analytics
- Types of Business Analytics
- Applications of Data Science
- Tools of Data Science

MODULE-II : Data Science and Python

[08 Hours]

Hands on with Pandas – Data Analysis library [Data Processing] ,Why Pandas? Features of Pandas, Data structures in Pandas, Series Creation, Accessing elements of series, Vectorizing Operations, Data Frame creation and viewing

MODULE-III: Working with Pandas

[10 Hours]

Data Handling missing values, Data operations with customized functions, Statistical functions in data operations, SQL operations in pandas, Converting result set into Data Frame , Data operations with customized functions, Statistical functions in data operations, SQL operations in pandas and data processing.

MODULE-IV: Mathematical Computation

[10 Hours]

Numpy, Powerful properties of numpy, Types of arrays, Attributes of nd-array, Basic operations, Accessing Array elements, creating functions for arrays, copy and view, universal functions, shape manipulations and Broadcasting.

MODULE-V: Hands on with Matplotlib library - [Basic Data Visualization] [07 periods]

Chart properties: create, label, format, Styling the charts, Types of presentation styles

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

- CO1: gain proficiency in using computation tools for data analysis as well as statistical data analysis.
- CO2: use computational and statistical tools to solve real-world problems, and they will clearly convey their findings in oral presentations and written reports.
- CO3: comprehend the significance of appropriate data management

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. Data Science Using Python and R; Chantal D. Larose; Daniel T. Larose · 2019
2. Introduction to Data Science: A Python Approach to Concepts, Laura Igual, Santi Seguí · 2017
3. A Hands-On Introduction to Data Science; Chirag Shah · 2020


Other Sources:

e-Learning Resources:

1. https://onlinecourses.nptel.ac.in/noc22_cs32
2. <https://archive.nptel.ac.in/courses/106/106/106106212>

Design and Developed by: Prof. (Dr.) Ashok Kumar Panda and Prof. Anugnya Pravamanjari


Principal
PRINCIPAL
College of Engineering Bhubaneswar


H.O.D. CSE
Head
Deptt. of Comp. Sc. & Engg.
College of Engineering Bhubaneswar


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NOTICE

ADD-ON/CERTIFICATE COURSE

Ref No: COEB/CSE/2018/14

Date: 06/07/2018


It is for the information of all the students of **3rd/5th/7th** semester that the classes for the Add-On/Certificate Courses for the **Academic Year 2018-19** will commence as per the time table given below.. The registration process for the course will start from **09/07/2018**. The interested students to enroll themselves for the courses are advised to contact the concerned Course Coordinators for the details.


Semester	Course Title	Course Coordinator	Date of Commencement
3rd	Problem Solving Skills	Prof. Tanmaya Kumar Das	19/07/2018
5th	Block Chain Technology and Application	Dr. Ashok Kumar Panda	19/07/2018
7th	Data Science	Prof. Sasmita Mishra	19/07/2018


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

Copy to:

1. Office of the Registrar for kind Information.
2. Office of the Principal for kind information.
3. Departmental Notice Board.
4. Guard File


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

STUDENT ENROLLMENT SHEET

Name of the Department: Computer Science and Engineering	
Course Title: Data Science	
Semester : 7th	Academic Year: 2018-19

Student's Declaration/Undertaking

1. I do hereby undertake to participate in the above mentioned add on course.
2. I do hereby, promise to abide by the admissible rules and regulations, concerning discipline, attendance, etc. of the department, and also to follow the Code of Conduct prescribed for the students of the Institute, as in force from time to time.

Sl. No.	Registration No.	Name of the Student	Signature of the Student
1	1501219001	SASMITA PANI	Sasmita Pani
2	1501219002	SANDEEP KUMAR THAKUR	Sandeep Kumar Thakur
3	1501219003	JAGAT MOHAN PATTANAIAK	Jagat Mohan Pattanaik
4	1501219004	PAYAL ROUTARAY	Payal Routaray
5	1501219005	SOUMIK SARKAR	Soumik Sarkar
6	1501219006	SAHIL	Sahil
7	1501219007	KUNDAN KUMAR	Kundan Ku.
8	1501219008	VIKASH PRASAD	Vikash Prasad
9	1501219009	NIRAJ KUMAR	Niraj Kumar
10	1501219010	AJMEET SINGH	Ajmeet Singh
11	1501219011	HEERA LAL KUILA	Heeralal Kuila
12	1501219012	KUMARI SHREYA SHREE	Kumari Shreya Shree
13	1501219086	ABHAYA ADARSH	Abhaya Adarsh
14	1501219087	ANIKET PANDEY	Aniket Pandey
15	1501219088	ANKIT KUMAR	Ankit Kumar
16	1501219089	ANKIT KUMAR	Ankit Kumar
17	1501219090	ANKIT KUMAR	Ankit Ku.
18	1501219091	APARAJITA RANJAN	Aparajita Ranjan
19	1501219092	ASHISH KUMAR SINGH	Ashish Ku. Singh
20	1501219093	AVINASH SHARMA	Avinash Sharma
21	1501219094	AYESHA SARANGI	Ayesha Sarangi
22	1501219095	CHIRANJEEB ROUT	Chiranjeeb Rout.
23	1501219096	DILIP KUMAR SONI	Dilip Ku. Soni
24	1501219097	EKTA SINGH	Ekta Singh
25	1501219098	FARHAT HUSSAIN	Farhat Hussain
26	1501219099	FATIMA ASHRAF	Fatima Ashraf
27	1501219100	GOPAL KRUSHNA ACHARYA	Gopal krushna Acharya
28	1501219101	HARI KUMAR	Hari Kumar

Course Coordinator: Sasmita Mishra

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
 ADD ON/CERTIFICATE COURSE

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STUDENT ATTENDANCE SHEET

Sheet No. 1

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>40 hours</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>19-7-18</u>	Date: <u>20-7-18</u>	Date: <u>23-7-18</u>	Date: <u>24-7-18</u>
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Signature of the Course Coordinator			<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>



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33	1501219106	KSHITIJ RAJ	Kshitij Raj	Kshitij Raj	Kshitij Raj	Kshitij Raj
34	1501219107	PRAGATI AGARWAL	Pragati Agrawal	Pragati Agrawal	Pragati Agrawal	Pragati Agrawal
35	1501219108	PRAKRITI PRIYA SINGH	Prakriti Priya Singh	Prakriti Priya Singh	Prakriti Priya Singh	Prakriti Priya Singh
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37	1501219110	PRITHWIRAJ SURAL	Prithwiraj Sural	Prithwiraj Sural	Prithwiraj Sural	Prithwiraj Sural
38	1501219111	PRIYADARSINI SUNDARAY	Priyadarshini Sundary	Priyadarshini Sundary	Priyadarshini Sundary	Priyadarshini Sundary
39	1501219112	RAJESH KUMAR SASMAL	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal
40	1501219113	RAKESH KUMAR BARIK	Rakesh Ku. Barik	Rakesh Ku. Barik	Rakesh Ku. Barik	Rakesh Ku. Barik
41	1501219114	RANJAN KUMAR JHA	Ranjan Ku. Jha	Ranjan Ku. Jha	Ranjan Ku. Jha	Ranjan Ku. Jha
42	1501219115	RAVI SHANKAR	Ravi Shankar	Ravi Shankar	Ravi Shankar	Ravi Shankar
43	1501219116	SARITA KUMARI	Sarita Kumari	Sarita Kumari	Sarita Kumari	Sarita Kumari
44	1501219117	SATYAM KUMAR MANDAL	AKS	AKS	AKS	AKS
Signature of the Course Coordinator			<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>



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45	1501219118	SAURAV NIHAL MINZ	Saurav N. minz	Saurav N. minz	Saurav N. minz	Saurav N. minz
46	1501219119	SIDDHARTH SINGH	Siddharth Singh	Siddharth Singh	Siddharth Singh	Siddharth Singh
47	1501219120	SRESTHA BOSE	Srestha Bose	Srestha Bose	Srestha Bose	Srestha Bose
48	1501219121	SUBHASH SHANDILYA	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya
49	1501219122	SUMIT KUMAR DAWN	Sumit Kumar Dawn	Sumit Kumar Dawn	Sumit Kumar Dawn	Sumit Kumar Dawn
50	1501219123	TALIM ANWAR	Talim Anwar	Talim Anwar	Talim Anwar	Talim Anwar
51	1501219124	TAPAS NAYAK	Tapas Nayak	Tapas Nayak	Tapas Nayak	Tapas Nayak
52	1501219125	VIKAS GUPTA	Vikas Gupta	Vikas Gupta	Vikas Gupta	Vikas Gupta
53	1501219126	VIKASH KUMAR	Vikash Ku.	Vikash Ku.	Vikash Ku	ABS
54	1501219127	ARMAN ROUT	Arman Rout	Arman Rout	Arman Rout	Arman Rout
55	1501219128	BISWAJIT NAYAK	Biswajit Nayak	Biswajit Nayak	Biswajit Nayak	Biswajit Nayak
56	1501219129	DIPTIRANJAN SAHOO	Diptiranjana Sahoo	Diptiranjana Sahoo	Diptiranjana Sahoo	Diptiranjana Sahoo
57	1501219130	ELINA DAS	Elina Das	Elina Das	Elina Das	Elina Das
58	1501219039	RISHABH RAJ	Rishabh Raj	Rishabh Raj	Rishabh Raj	Rishabh Raj
59	1501219040	SUBI	Subi	Subi	Subi	Subi
60	1501219041	SHREYA KUMARI	Shreya Ku.	Shreya Ku.	Shreyaku.	Shreyaku.
61	1501219042	PRATIK PRABHASH	ABS	ABS	ABS	ABS
62	1501219043	AYESHA SHAKIL	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil
63	1501219161	ANJALI KUMARI	Anjali Kumari	Anjali Kumari	Anjali Kumari	Anjali Kumari
64	1501219162	DIBYAPRAKASH PRADHAN	D. P. Pradhan	D. P. Pradhan	D. P. Pradhan	D. P. Pradhan
65	1501219163	NEHA CHOUBEY	Neha Choubey	Neha Choubey	Neha Choubey	Neha Choubey
66	1501219164	SHASHANK VAIBHAV	Shashank V.	Shashank V.	Shashank V.	Shashank V.
Signature of the Course Coordinator			<i>Sm</i>	<i>Sm</i>	<i>Sm</i>	<i>Sm</i>



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STUDENT ATTENDANCE SHEET

Sheet No. 2

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>40 mins</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>25-7-18</u>	Date: <u>26-7-18</u>	Date: <u>27-7-18</u>	Date: <u>30-7-18</u>
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STUDENT ATTENDANCE SHEET

Sheet No. 2

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

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Sheet No. 2

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>4 months</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>25-7-18</u>	Date: <u>26-7-18</u>	Date: <u>27-7-18</u>	Date: <u>30-7-18</u>
45	1501219118	SAURAV NIHAL MINZ	<i>Saurav N. minz</i>	<i>Saurav N. Minz</i>	<i>Saurav N. minz</i>	<i>Saurav N. minz</i>
46	1501219119	SIDDHARTH SINGH	<i>Siddhath Singh</i>	<i>Siddhath Singh</i>	<i>Siddhath Singh</i>	<i>Siddhath Singh</i>
47	1501219120	SRESTHA BOSE	<i>Srestha Bose</i>	<i>Srestha Bose</i>	<i>Srestha Bose</i>	<i>Srestha Bose</i>
48	1501219121	SUBHASH SHANDILYA	<i>Subhash Shandilya</i>	<i>Subhash Shandilya</i>	<i>Subhash Shandilya</i>	<i>Subhash Shandilya</i>
49	1501219122	SUMIT KUMAR DAWN	<i>Sumit Kumar Dawn</i>	<i>Sumit Kumar Dawn</i>	<i>Sumit Kumar Dawn</i>	<i>Sumit Kumar Dawn</i>
50	1501219123	TALIM ANWAR	<i>Talim Anwar</i>	<i>Talim Anwar</i>	<i>Talim Anwar</i>	<i>Talim Anwar</i>
51	1501219124	TAPAS NAYAK	<i>Tapas Nayak</i>	<i>Tapas Nayak</i>	<i>Tapas Nayak</i>	<i>Tapas Nayak</i>
52	1501219125	VIKAS GUPTA	<i>Vikas Gupta</i>	<i>Vikas Gupta</i>	<i>Vikas Gupta</i>	<i>Vikas Gupta</i>
53	1501219126	VIKASH KUMAR	<i>Vikash ku.</i>	<i>Vikash ku.</i>	<i>Vikash ku.</i>	<i>Vikash ku.</i>
54	1501219127	ARMAN ROUT	<i>Arman Rout</i>	<i>Arman Rout</i>	<i>Arman Rout</i>	<i>Arman Rout</i>
55	1501219128	BISWAJIT NAYAK	<i>Biswajit Nayak</i>	<i>Biswajit Nayak</i>	<i>Biswajit Nayak</i>	<i>Biswajit Nayak</i>
56	1501219129	DIPTIRANJAN SAHOO	<i>Diptiranjana Sahoo</i>	<i>Diptiranjana Sahoo</i>	<i>Diptiranjana Sahoo</i>	<i>Diptiranjana Sahoo</i>
57	1501219130	ELINA DAS	<i>Elina Das</i>	<i>Elina Das</i>	<i>Elina Das</i>	<i>Elina Das</i>
58	1501219039	RISHABH RAJ	<i>Rishabh Raj</i>	<i>Rishabh Raj</i>	<i>Rishabh Raj</i>	<i>Rishabh Raj</i>
59	1501219040	SUBI	<i>Subi</i>	<i>Subi</i>	<i>Subi</i>	<i>Subi</i>
60	1501219041	SHREYA KUMARI	<i>Shreya ku.</i>	<i>Shreya ku.</i>	<i>Shreya ku.</i>	<i>Shreya ku.</i>
61	1501219042	PRATIK PRABHASH	<i>Pratik</i>	<i>Pratik</i>	<i>Pratik</i>	<i>Pratik</i>
62	1501219043	AYESHA SHAKIL	<i>Ayesha Shakil</i>	<i>Ayesha Shakil</i>	<i>Ayesha Shakil</i>	<i>Ayesha Shakil</i>
63	1501219161	ANJALI KUMARI	<i>Anjali Kumari</i>	<i>Anjali Kumari</i>	<i>Anjali Kumari</i>	<i>Anjali Kumari</i>
64	1501219162	DIBYAPRAKASH PRADHAN	<i>D.P. Pradhan</i>	<i>D.P. Pradhan</i>	<i>D.P. Pradhan</i>	<i>D.P. Pradhan</i>
65	1501219163	NEHA CHOUBEY	<i>Neha Choubey</i>	<i>Neha Choubey</i>	<i>Neha Choubey</i>	<i>Neha Choubey</i>
66	1501219164	SHASHANK VAIBHAV	<i>Shashank V.</i>	<i>Shashank V.</i>	<i>Shashank V.</i>	<i>Shashank V.</i>
Signature of the Course Coordinator			<i>S.M</i>	<i>S.M</i>	<i>S.M</i>	<i>S.M</i>



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
 ADD ON/CERTIFICATE COURSE

K. Bhuj
 PRINCIPAL
 College of Engineering Bhubaneswar

STUDENT ATTENDANCE SHEET

Sheet No. 3

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>4 months</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>2-8-18</u>	Date: <u>3-8-18</u>	Date: <u>09-8-18</u>	Date: <u>10-8-18</u>
1	1501219001	SASMITA PANI	Sasmita Pani	Sasmita Pani	Sasmita Pani	Sasmita Pani
2	1501219002	SANDEEP KUMAR THAKUR	Sandeep Kumar Thakur	Sandeep Kumar Thakur	Sandeep Kumar Thakur	Sandeep Kumar Thakur
3	1501219003	JAGAT MOHAN PATTANAİK	Jagat Mohan Pattanaik	Jagat Mohan Pattanaik	Jagat Mohan Pattanaik	Jagat Mohan Pattanaik
4	1501219004	PAYAL ROUTARAY	Payal Routaray	Payal Routaray	Payal Routaray	Payal Routaray
5	1501219005	SOUMIK SARKAR	Soumik Sarkar	Soumik Sarkar	Soumik Sarkar	Soumik Sarkar
6	1501219006	SAHIL	Sahil	Sahil	Sahil	Sahil
7	1501219007	KUNDAN KUMAR	Kundan ku.	Kundan ku.	Kundan ku.	Kundan ku.
8	1501219008	VIKASH PRASAD	Vikash Prasad	Vikash Prasad	Vikash Prasad	Vikash Prasad
9	1501219009	NIRAJ KUMAR	Niraj Kumar	Niraj Kumar	Niraj Kumar	Niraj Kumar
10	1501219010	AJMEET SINGH	Ajmeet Singh	Ajmeet Singh	Ajmeet Singh	Ajmeet Singh
11	1501219011	HEERA LAL KUILA	Heeralal Kuila	Heeralal Kuila	Heeralal Kuila	Heeralal Kuila
12	1501219012	KUMARI SHREYA SHREE	ABS	ABS	Kumari Shreya Shree	ABS
13	1501219086	ABHAYA ADARSH	Abhaya Adarsh	Abhaya Adarsh	Abhaya Adarsh	Abhaya Adarsh
14	1501219087	ANIKET PANDEY	Aniket Pandey	Aniket Pandey	Aniket Pandey	Aniket Pandey
15	1501219088	ANKIT KUMAR	Ankit Kumar	Ankit Kumar	Ankit Kumar	Ankit Kumar
16	1501219089	ANKIT KUMAR	Ankit Kumar	Ankit Kumar	Ankit Kumar	Ankit Kumar
17	1501219090	ANKIT KUMAR	Ankit ku.	Ankit ku.	Ankit ku.	Ankit ku.
18	1501219091	APARAJITA RANJAN	Aparajita Ranjan	Aparajita Ranjan	Aparajita Ranjan	Aparajita Ranjan
19	1501219092	ASHISH KUMAR SINGH	Ashish ku-Singh	Ashish ku-Singh	Ashish ku-Singh	Ashish ku-Singh
20	1501219093	AVINASH SHARMA	Avinash Sharma	Avinash Sharma	Avinash Sharma	Avinash Sharma
21	1501219094	AYESHA SARANGI	Ayesha Sarangi	Ayesha Sarangi	Ayesha Sarangi	Ayesha Sarangi
22	1501219095	CHIRANJEEB ROUT	Chiranjeeb Rout	Chiranjeeb Rout	Chiranjeeb Rout	Chiranjeeb Rout
Signature of the Course Coordinator			<i>Smy</i>	<i>Smy</i>	<i>Smy</i>	<i>Smy</i>



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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STUDENT ATTENDANCE SHEET

Sheet No. 3

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>40hrs</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>2-8-18</u>	Date: <u>3-8-18</u>	Date: <u>04-8-18</u>	Date: <u>10-8-18</u>
23	1501219096	DILIP KUMAR SONI	Dilip k. Soni	Dilip k. Soni	Dilip k. Soni	Dilip k. Soni
24	1501219097	EKTA SINGH	Ekta Singh	Ekta Singh	Ekta Singh	Ekta Singh
25	1501219098	FARHAT HUSSAIN	Farhat Hussain	Farhat Hussain	Farhat Hussain	Farhat Hussain
26	1501219099	FATIMA ASHRAF	Fatima Ashraf	Fatima Ashraf	Fatima Ashraf	Fatima Ashraf
27	1501219100	GOPAL KRUSHNA ACHARYA	Gopal krushna Acharya	Gopal krushna Acharya	Gopal krushna Acharya	Gopal krushna Acharya
28	1501219101	HARI KUMAR	Haree Kumar	Haree Kumar	Haree Kumar	Haree Kumar
29	1501219102	HIMANSHU KUMAR	Himansu kumar	Himansu kumar	Himansu kumar	Himansu kumar
30	1501219103	HIMANSHU KUMAR SINGH	Himansu kumar Singh	Himansu kumar Singh	Himansu kumar Singh	Himansu kumar Singh
31	1501219104	JYOTI PRIYA	Jyoti Priya	Jyoti Priya	Jyoti Priya	Jyoti Priya
32	1501219105	KHAGAPATI BHAKAT	Khagapati Bhagat	Khagapati Bhagat	Khagapati Bhagat	Khagapati Bhagat
33	1501219106	KSHITIJ RAJ	Kshitij Raj	Kshitij Raj	Kshitij Raj	Kshitij Raj
34	1501219107	PRAGATI AGARWAL	Pragati Agarwal	Pragati Agarwal	Pragati Agarwal	Pragati Agarwal
35	1501219108	PRAKRITI PRIYA SINGH	Prakriti Priya Singh	Prakriti Priya Singh	Prakriti Priya Singh	Prakriti Priya Singh
36	1501219109	PRANAB KUMAR JENA	Pranab Kumar Jena	Pranab Kumar Jena	Pranab Kumar Jena	Pranab Kumar Jena
37	1501219110	PRITHWIRAJ SURAL	Prithwiraj Sural	Prithwiraj Sural	Prithwiraj Sural	Prithwiraj Sural
38	1501219111	PRIYADARSINI SUNDARAY	Priyadarshini Sundaray	Priyadarshini Sundaray	Priyadarshini Sundaray	Priyadarshini Sundaray
39	1501219112	RAJESH KUMAR SASMAL	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal
40	1501219113	RAKESH KUMAR BARIK	Rakesh Kumar Barik	Rakesh Kumar Barik	Rakesh Kumar Barik	Rakesh Kumar Barik
41	1501219114	RANJAN KUMAR JHA	Ranjan Kumar Jha	Ranjan Kumar Jha	Ranjan Kumar Jha	Ranjan Kumar Jha
42	1501219115	RAVI SHANKAR	Ravi Shankar	Ravi Shankar	Ravi Shankar	Ravi Shankar
43	1501219116	SARITA KUMARI	Sarita Kumari	Sarita Kumari	Sarita Kumari	Sarita Kumari
44	1501219117	SATYAM KUMAR MANDAL	Satyam Kumar Mandal ABS	Satyam Kumar Mandal ABS	Satyam Kumar Mandal	Satyam Kumar Mandal ABS
Signature of the Course Coordinator			<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>

NBS



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ADD ON/CERTIFICATE COURSE

A. Bhuj
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 College of Engineering Bhubaneswar

STUDENT ATTENDANCE SHEET

Sheet No. 3

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : 90 hrs		Date & Signature of the Student				
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 2-8-18	Date: 3-8-18	Date: 9-8-18	Date: 10-8-18
45	1501219118	SAURAV NIHAL MINZ	Saurav N. Minz	Saurav N. Minz	Saurav N. Minz	Saurav N. Minz
46	1501219119	SIDDHARTH SINGH	Siddharth Singh	Siddharth Singh	Siddharth Singh	Siddharth Singh
47	1501219120	SRESTHA BOSE	Srestha Bose	Srestha Bose	Srestha Bose	Srestha Bose
48	1501219121	SUBHASH SHANDILYA	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya
49	1501219122	SUMIT KUMAR DAWN	Sumit Kumar Dawn	Sumit Kumar Dawn	Sumit Kumar Dawn	Sumit Kumar Dawn
50	1501219123	TALIM ANWAR	Talim Anwar	Talim Anwar	Talim Anwar	Talim Anwar
51	1501219124	TAPAS NAYAK	Tapas Nayak	Tapas Nayak	Tapas Nayak	Tapas Nayak
52	1501219125	VIKAS GUPTA	Vikas Gupta	Vikas Gupta	Vikas Gupta	Vikas Gupta
53	1501219126	VIKASH KUMAR	Vikash Ku.	Vikash Ku.	Vikash Ku.	Vikash Ku.
54	1501219127	ARMAN ROUT	Arman Rout	Arman Rout	Arman Rout	Arman Rout
55	1501219128	BISWAJIT NAYAK	Biswajit Nayak	Biswajit Nayak	Biswajit Nayak	Biswajit Nayak
56	1501219129	DIPTIRANJAN SAHOO	Diptiranjana Sahoo	Diptiranjana Sahoo	Diptiranjana Sahoo	ABS
57	1501219130	ELINA DAS	Elina Das	Elina Das	Elina Das	Elina Das
58	1501219039	RISHABH RAJ	Rishabh Raj	Rishabh Raj	Rishabh Raj	Rishabh Raj
59	1501219040	SUBI	Subi	Subi	Subi	Subi
60	1501219041	SHREYA KUMARI	Shreya Ku.	Shreya Ku.	Shreya Ku.	Shreyake
61	1501219042	PRATIK PRABHASH	ABS	ABS	Pratik Prabhash	ABS
62	1501219043	AYESHA SHAKIL	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil
63	1501219161	ANJALI KUMARI	Anjali Kumari	Anjali Kumari	Anjali Kumari	ABS
64	1501219162	DIBYAPRAKASH PRADHAN	D.P. Pradhan	D.P. Pradhan	D.P. Pradhan	D.P. Pradhan
65	1501219163	NEHA CHOUBEY	Neha Choubey	Neha Choubey	Neha Choubey	Neha Choubey
66	1501219164	SHASHANK VAIBHAV	Shashank V.	Shashank V.	Shashank V.	Shashank V.
Signature of the Course Coordinator			<i>Sm</i>	<i>Sm</i>	<i>Sm</i>	<i>Sm</i>



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
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K. Bhuj
 PRINCIPAL
 College of Engineering Bhubaneswar

STUDENT ATTENDANCE SHEET

Sheet No. 4

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>4 hrs</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>13-8-18</u>	Date: <u>17-8-18</u>	Date: <u>20-8-18</u>	Date: <u>21-8-18</u>
1	1501219001	SASMITA PANI	<i>Sasmita Pani</i>	<i>Sasmita Pani</i>	<i>Sasmita Pani</i>	<i>Sasmita Pani</i>
2	1501219002	SANDEEP KUMAR THAKUR	<i>Sandeep Kumar Thakur</i>	<i>Sandeep Kumar Thakur</i>	<i>Sandeep Kumar Thakur</i>	<i>Sandeep Kumar Thakur</i>
3	1501219003	JAGAT MOHAN PATTANAİK	<i>Jagat Mohan Pattanaik</i>	<i>Jagat Mohan Pattanaik</i>	<i>Jagat Mohan Pattanaik</i>	<i>Jagat Mohan Pattanaik</i>
4	1501219004	PAYAL ROUTARAY	<i>Payal Routaray</i>	<i>Payal Routaray</i>	<i>Payal Routaray</i>	<i>Payal Routaray</i>
5	1501219005	SOUMIK SARKAR	<i>Soumik Sarkar</i>	<i>Soumik Sarkar</i>	<i>Soumik Sarkar</i>	<i>Soumik Sarkar</i>
6	1501219006	SAHIL	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>
7	1501219007	KUNDAN KUMAR	<i>Kundan ku.</i>	<i>Kundan ku.</i>	<i>Kundan ku.</i>	<i>Kundan ku.</i>
8	1501219008	VIKASH PRASAD	<i>Vikash Prasad</i>	<i>Vikash Prasad</i>	<i>Vikash Prasad</i>	<i>Vikash Prasad</i>
9	1501219009	NIRAJ KUMAR	<i>Niraj Kumar</i>	<i>Niraj Kumar</i>	<i>Niraj Kumar</i>	<i>Niraj Kumar</i>
10	1501219010	AJMEET SINGH	<i>Ajmeet Singh</i>	<i>Ajmeet Singh</i>	<i>Ajmeet Singh</i>	<i>Ajmeet Singh</i>
11	1501219011	HEERA LAL KUILA	<i>Heeralal Kuila</i>	<i>Heeralal Kuila</i>	<i>Heeralal Kuila</i>	<i>Heeralal Kuila</i>
12	1501219012	KUMARI SHREYA SHREE	<i>ABS</i>	<i>ABS</i>	<i>ABS</i>	<i>ABS</i>
13	1501219086	ABHAYA ADARSH	<i>Abhaya Adarsh</i>	<i>Abhaya Adarsh</i>	<i>Abhaya Adarsh</i>	<i>Abhaya Adarsh</i>
14	1501219087	ANIKET PANDEY	<i>Aniket Pandey</i>	<i>Aniket Pandey</i>	<i>Aniket Pandey</i>	<i>Aniket Pandey</i>
15	1501219088	ANKIT KUMAR	<i>Ankit Kumar</i>	<i>Ankit Kumar</i>	<i>Ankit Kumar</i>	<i>Ankit Kumar</i>
16	1501219089	ANKIT KUMAR	<i>Ankit Kumar</i>	<i>Ankit Kumar</i>	<i>Ankit Kumar</i>	<i>Ankit Kumar</i>
17	1501219090	ANKIT KUMAR	<i>Ankit ku.</i>	<i>Ankit ku.</i>	<i>Ankit ku.</i>	<i>Ankit ku.</i>
18	1501219091	APARAJITA RANJAN	<i>Aparajita Ranjan</i>	<i>Aparajita Ranjan</i>	<i>Aparajita Ranjan</i>	<i>Aparajita Ranjan</i>
19	1501219092	ASHISH KUMAR SINGH	<i>Ashish ku-singh</i>	<i>Ashish ku-singh</i>	<i>Ashish ku-singh</i>	<i>Ashish ku-singh</i>
20	1501219093	AVINASH SHARMA	<i>Avinash Sharma</i>	<i>Avinash Sharma</i>	<i>Avinash Sharma</i>	<i>Avinash Sharma</i>
21	1501219094	AYESHA SARANGI	<i>Ayesha Sarangi</i>	<i>Ayesha Sarangi</i>	<i>Ayesha Sarangi</i>	<i>Ayesha Sarangi</i>
22	1501219095	CHIRANJEEB ROUT	<i>Chiranjeeb Rout</i>	<i>Chiranjeeb Rout</i>	<i>Chiranjeeb Rout</i>	<i>Chiranjeeb Rout</i>
Signature of the Course Coordinator			<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
 ADD ON/CERTIFICATE COURSE

K. Bhuj
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 College of Engineering Bhubaneswar

STUDENT ATTENDANCE SHEET

Sheet No. 4

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>90 mins</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>13-8-18</u>	Date: <u>17-8-18</u>	Date: <u>20-8-18</u>	Date: <u>31-8-18</u>
23	1501219096	DILIP KUMAR SONI	Dilip k. Soni	Dilip k. Soni	Dilip k. Soni	Dilip k. Soni
24	1501219097	EKTA SINGH	Ekta Singh	Ekta Singh	Ekta Singh	Ekta Singh
25	1501219098	FARHAT HUSSAIN	Farhat Hussain	Farhat Hussain	Farhat Hussain	Farhat Hussain
26	1501219099	FATIMA ASHRAF	Fatima Ashraf	Fatima Ashraf	Fatima Ashraf	Fatima Ashraf
27	1501219100	GOPAL KRUSHNA ACHARYA	Gopal krushna Acharya	Gopal krushna Acharya	Gopal krushna Acharya	Gopal krushna Acharya
28	1501219101	HARI KUMAR	Haree Kumar	Haree Kumar	Haree Kumar	Haree Kumar
29	1501219102	HIMANSHU KUMAR	Himansu ku.	Himansu ku.	Himansu ku.	Himansu ku.
30	1501219103	HIMANSHU KUMAR SINGH	Himansuku. Singh	Himansu ku. Singh	Himansuku. Singh	Himansu. ku. Singh
31	1501219104	JYOTI PRIYA	Jyoti Priya	Jyoti Priya	Jyoti Priya	Jyoti Priya
32	1501219105	KHAGAPATI BHAKAT	Khagapati Bhakat	Khagapati Bhakat	Khagapati Bhakat	Khagapati Bhakat
33	1501219106	KSHITIJ RAJ	Kshitij Raj	Kshitij Raj	Kshitij Raj	Kshitij Raj
34	1501219107	PRAGATI AGARWAL	Pragati Agrawal	Pragati Agrawal	Pragati Agrawal	Pragati Agrawal
35	1501219108	PRAKRITI PRIYA SINGH	Prakriti Priya Singh	Prakriti Priya Singh	Prakriti Priya Singh	Prakriti Priya Singh
36	1501219109	PRANAB KUMAR JENA	Pranab Ku. Jena	Pranab Ku. Jena	Pranab Ku. Jena	Pranab Ku. Jena
37	1501219110	PRITHWIRAJ SURAL	Prithwiraj Surral	Prithwiraj Surral	Prithwiraj Surral	Prithwiraj Surral.
38	1501219111	PRIYADARSINI SUNDARAY	Priyadarasni Sundar	Priyadarasni Sundar	Priyadarasni Sundar	Priyadarasni Sundar
39	1501219112	RAJESH KUMAR SASMAL	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal	Rajesh Kumar Sasmal
40	1501219113	RAKESH KUMAR BARIK	Rakesh ku. Barik	Rakesh ku. Barik	Rakesh ku. Barik	Rakesh ku. Barik
41	1501219114	RANJAN KUMAR JHA	Ranjan ku. Jha	Ranjan ku. Jha	Ranjan ku. Jha	Ranjan ku. Jha
42	1501219115	RAVI SHANKAR	Ravi Shankar	Ravi Shankar	Ravi Shankar	Ravi Shankar
43	1501219116	SARITA KUMARI	Sarita Kumari	Sarita Kumari	Sarita Kumari	Sarita Kumari
44	1501219117	SATYAM KUMAR MANDAL	ABS	ABS	ABS	ABS
Signature of the Course Coordinator			<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>



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Sheet No. 4

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>40 hrs</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>13-8-18</u>	Date: <u>17-8-18</u>	Date: <u>20-8-18</u>	Date: <u>21-8-18</u>
45	1501219118	SAURAV NIHAL MINZ	Saurav N. Minz	Saurav N. Minz	Saurav N. Minz	Saurav N. Minz
46	1501219119	SIDDHARTH SINGH	Siddharth Singh	Siddharth Singh	Siddharth Singh	Siddharth Singh
47	1501219120	SRESTHA BOSE	Srestha Bose	Srestha Bose	Srestha Bose	Srestha Bose
48	1501219121	SUBHASH SHANDILYA	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya
49	1501219122	SUMIT KUMAR DAWN	Sumit Kumar Dawn	Sumit Kumar Dawn	ABS	Sumit Kumar Dawn
50	1501219123	TALIM ANWAR	Talim Anwar	Talim Anwar	Talim Anwar	Talim Anwar
51	1501219124	TAPAS NAYAK	Tapas Nayak	Tapas Nayak	Tapas Nayak	Tapas Nayak
52	1501219125	VIKAS GUPTA	Vikas Gupta	Vikas Gupta	Vikas Gupta	Vikas Gupta
53	1501219126	VIKASH KUMAR	Vikash ku.	Vikash ku.	Vikash ku.	Vikash ku.
54	1501219127	ARMAN ROUT	Arman Rout	Arman Rout	Arman Rout	Arman Rout
55	1501219128	BISWAJIT NAYAK	Biswajit Nayak	Biswajit Nayak	Biswajit Nayak	ABS
56	1501219129	DIPTIRANJAN SAHOO	Diptiranjana Sahoo	Diptiranjana Sahoo	Diptiranjana Sahoo	Diptiranjana Sahoo
57	1501219130	ELINA DAS	Elina Das	Elina Das	Elina Das	Elina Das
58	1501219039	RISHABH RAJ	Rishabh Raj	Rishabh Raj	Rishabh Raj	Rishabh Raj
59	1501219040	SUBI	Subi	Subi	Subi	Subi
60	1501219041	SHREYA KUMARI	Shreya ku.	Shreya ku.	Shreya ku.	Shreya ku.
61	1501219042	PRATIK PRABHASH	ABS	ABS	ABS	ABS
62	1501219043	AYESHA SHAKIL	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil
63	1501219161	ANJALI KUMARI	Anjali Kumari	Anjali Kumari	Anjali Kumari	Anjali Kumari
64	1501219162	DIBYAPRAKASH PRADHAN	D.P. Pradhan	D.P. Pradhan	D.P. Pradhan	D.P. Pradhan
65	1501219163	NEHA CHOUBEY	Neha Choubey	Neha Choubey	Neha Choubey	Neha Choubey
66	1501219164	SHASHANK VAIBHAV	Shashank v.	Shashank v.	Shashank v.	Shashank v.
Signature of the Course Coordinator			<i>Smz</i>	<i>Smz</i>	<i>Smz</i>	<i>Smz</i>



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
 ADD ON/CERTIFICATE COURSE

K. Bhuj
 PRINCIPAL
 College of Engineering Bhubaneswar

STUDENT ATTENDANCE SHEET

Sheet No. 5

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>40 hrs</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>23-8-18</u>	Date: <u>24-8-18</u>	Date: <u>27-8-18</u>	Date: <u>28-8-18</u>
1	1501219001	SASMITA PANI	Sasmita Pani	Sasmita Pani	Sasmita Pani	Sasmita Pani
2	1501219002	SANDEEP KUMAR THAKUR	Sandeep Kumar Thakur	Sandeep Kumar Thakur	Sandeep Kumar Thakur	Sandeep Kumar Thakur
3	1501219003	JAGAT MOHAN PATTANAİK	Jagat Mohan Pattanaik	Jagat Mohan Pattanaik	Jagat Mohan Pattanaik	Jagat Mohan Pattanaik
4	1501219004	PAYAL ROUTARAY	Payal Routaray	Payal Routaray	Payal Routaray	Payal Routaray
5	1501219005	SOUMIK SARKAR	Soumik Sarkar	Soumik Sarkar	Soumik Sarkar	Soumik Sarkar
5	1501219006	SAHIL	Sahil	Sahil	Sahil	Sahil
7	1501219007	KUNDAN KUMAR	Kundan ku.	Kundan ku.	Kundan ku.	Kundan ku.
8	1501219008	VIKASH PRASAD	Vikash Prasad	Vikash Prasad	Vikash Prasad	Vikash Prasad
9	1501219009	NIRAJ KUMAR	Niraj Kumar	Niraj Kumar	Niraj Kumar	Niraj Kumar
10	1501219010	AJMEET SINGH	Ajmeet Singh	Ajmeet Singh	Ajmeet Singh	Ajmeet Singh
11	1501219011	HEERA LAL KUILA	Heeralal Kuila	Heeralal Kuila	Heeralal Kuila	Heeralal Kuila
12	1501219012	KUMARI SHREYA SHREE	ABS	ABS	ABS	ABS
13	1501219086	ABHAYA ADARSH	Abhaya Adarsh	Abhaya Adarsh	Abhaya Adarsh	Abhaya Adarsh
14	1501219087	ANIKET PANDEY	Aniket Pandey	Aniket Pandey	Aniket Pandey	Aniket Pandey
15	1501219088	ANKIT KUMAR	Ankit Kumar	Ankit Kumar	Ankit Kumar	Ankit Kumar
16	1501219089	ANKIT KUMAR	Ankit Kumar	Ankit Kumar	Ankit Kumar	Ankit Kumar
17	1501219090	ANKIT KUMAR	Ankit ku.	Ankit ku.	Ankit ku.	Ankit ku.
18	1501219091	APARAJITA RANJAN	Aparajita Ranjan	Aparajita Ranjan	Aparajita Ranjan	Aparajita Ranjan
19	1501219092	ASHISH KUMAR SINGH	Ashish ku-Singh	Ashish ku-Singh	Ashish ku-Singh	Ashish ku-Singh
20	1501219093	AVINASH SHARMA	Avinash Sharma	Avinash Sharma	Avinash Sharma	Avinash Sharma
21	1501219094	AYESHA SARANGI	Ayesha Sarangi	Ayesha Sarangi	Ayesha Sarangi	Ayesha Sarangi
22	1501219095	CHIRANJEEB ROUT	Chiranjeeb Rout	Chiranjeeb Rout	Chiranjeeb Rout	Chiranjeeb Rout
Signature of the Course Coordinator			<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ADD ON/CERTIFICATE COURSE

K. Bhuj
PRINCIPAL
College of Engineering Bhubaneswar

STUDENT ATTENDANCE SHEET

Sheet No. 5

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration : <u>40 hrs</u>			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: <u>23-8-18</u>	Date: <u>24-8-18</u>	Date: <u>27-8-18</u>	Date: <u>28-8-18</u>
23	1501219096	DILIP KUMAR SONI	<i>Dilip k. soni</i>	<i>Dilip k. soni</i>	<i>Dilip k. soni</i>	<i>Dilip k. soni</i>
24	1501219097	EKTA SINGH	<i>Ekta Singh</i>	<i>Ekta Singh</i>	<i>Ekta Singh</i>	<i>Ekta Singh</i>
25	1501219098	FARHAT HUSSAIN	<i>Farhat Hussain</i>	<i>Farhat Hussain</i>	<i>Farhat Hussain</i>	<i>Farhat Hussain</i>
26	1501219099	FATIMA ASHRAF	<i>Fatima Ashraf</i>	<i>Fatima Ashraf</i>	<i>Fatima Ashraf</i>	<i>Fatima Ashraf</i>
27	1501219100	GOPAL KRUSHNA ACHARYA	<i>Gopal Krishna Acharya</i>	<i>Gopal Krishna Acharya</i>	<i>Gopal Krishna Acharya</i>	<i>Gopal Krishna Acharya</i>
28	1501219101	HARI KUMAR	<i>Hari Kumar</i>	<i>Hari Kumar</i>	<i>Hari Kumar</i>	<i>Hari Kumar</i>
29	1501219102	HIMANSHU KUMAR	<i>Himansu ku.</i>	<i>Himansu ku.</i>	<i>Himansu ku.</i>	<i>Himansu ku.</i>
30	1501219103	HIMANSHU KUMAR SINGH	<i>Himansu ku. Singh</i>	<i>Himansu ku Singh</i>	<i>Himansu kumar</i>	<i>Himansu ku Singh</i>
31	1501219104	JYOTI PRIYA	<i>Jyoti Priya</i>	<i>Jyoti Priya</i>	<i>Jyoti Priya</i>	<i>Jyoti Priya</i>
32	1501219105	KHAGAPATI BHAKAT	<i>Khagapati Bhakat</i>	<i>Khagapati Bhakat</i>	<i>Khagapati Bhakat</i>	<i>Khagapati Bhakat</i>
33	1501219106	KSHITIJ RAJ	<i>Kshitij Raj</i>	<i>Kshitij Raj</i>	<i>Kshitij Raj</i>	<i>Kshitij Raj</i>
34	1501219107	PRAGATI AGARWAL	<i>Pragati Agrawal</i>	<i>Pragati Agrawal</i>	<i>Pragati Agrawal</i>	<i>Pragati Agrawal</i>
35	1501219108	PRAKRITI PRIYA SINGH	<i>Prakriti Priya Singh</i>	<i>Prakriti Priya Singh</i>	<i>Prakriti Priya Singh</i>	<i>Prakriti Priya Singh</i>
36	1501219109	PRANAB KUMAR JENA	<i>Pranab Ku Jena</i>	<i>Pranab Ku Jena</i>	<i>Pranab Ku Jena</i>	<i>Pranab Ku Jena</i>
37	1501219110	PRITHWIRAJ SURAL	<i>Prithwiraj Sural</i>	<i>Prithwiraj Sural</i>	<i>ABS</i>	<i>Prithwiraj Sural</i>
38	1501219111	PRIYADARSINI SUNDARAY	<i>Priyadarsini Sundaray</i>	<i>Priyadarsini Sundaray</i>	<i>Priyadarsini Sundaray</i>	<i>Priyadarsini Sundaray</i>
39	1501219112	RAJESH KUMAR SASMAL	<i>Rajesh Kumar Sasmal</i>	<i>Rajesh kumar Sasmal</i>	<i>Rajesh Kumar Sasmal</i>	<i>Rajesh Kumar Sasmal</i>
40	1501219113	RAKESH KUMAR BARIK	<i>Rakesh ku. Barik</i>	<i>Rakesh ku. barik</i>	<i>Rakesh ku. Barik</i>	<i>Rakesh ku. Barik</i>
41	1501219114	RANJAN KUMAR JHA	<i>Ranjn ku Jha</i>	<i>Ranjn ku Jha</i>	<i>Ranjn ku Jha</i>	<i>Ranjn ku Jha</i>
42	1501219115	RAVI SHANKAR	<i>Ravi Shankar</i>	<i>Ravi Shankar</i>	<i>Ravi Shankar</i>	<i>Ravi Shankar</i>
43	1501219116	SARITA KUMARI	<i>Sarita Kumari</i>	<i>Sarita Kumari</i>	<i>Sarita Kumari</i>	<i>Sarita Kumari</i>
44	1501219117	SATYAM KUMAR MANDAL	<i>ABS</i>	<i>ABS</i>	<i>ABS</i>	<i>ABS</i>
Signature of the Course Coordinator			<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>



COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ADD ON/CERTIFICATE COURSE

A. Bhunia

PRINCIPAL
College of Engineering Bhubaneswar

Sheet No. 5

STUDENT ATTENDANCE SHEET

Programme: **B.Tech in Computer Science and Engineering**

Semester: **7th**

Academic Year: **2018-19**

Name of the Course: **DATA SCIENCE**

Course Code (if any):

Duration :			Date & Signature of the Student			
SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date: 23-8-18	Date: 24-8-18	Date: 27-8-18	Date: 28-8-18
45	1501219118	SAURAV NIHAL MINZ	Saurav Nihal Minz	Saurav N. Minz	Saurav N. Minz	Saurav N. Minz
46	1501219119	SIDDHARTH SINGH	Siddharth Singh	Siddharth Singh	Siddharth Singh	Siddharth Singh
47	1501219120	SRESTHA BOSE	Srestha Bose	Srestha Bose	Srestha Bose	Srestha Bose
48	1501219121	SUBHASH SHANDILYA	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya	Subhash Shandilya
49	1501219122	SUMIT KUMAR DAWN	Sumit Kumar Dawn	Sumit Kumar Dawn	Sumit Kumar Dawn	Sumit Kumar Dawn
50	1501219123	TALIM ANWAR	Talim Anwar	Talim Anwar	Talim Anwar	Talim Anwar
51	1501219124	TAPAS NAYAK	Tapas Nayak	Tapas Nayak	Tapas Nayak	Tapas Nayak
52	1501219125	VIKAS GUPTA	Vikas Gupta	Vikas Gupta	Vikas Gupta	Vikas Gupta
53	1501219126	VIKASH KUMAR	Vikash Ku.	Vikash Ku.	Vikash Ku.	Vikash Ku.
54	1501219127	ARMAN ROUT	Arman Rout	Arman Rout	Arman Rout	Arman Rout
55	1501219128	BISWAJIT NAYAK	Biswajit Nayak	Biswajit Nayak	Biswajit Nayak	Biswajit Nayak
56	1501219129	DIPTIRANJAN SAHOO	Diptiranjana Sahoo	Diptiranjana Sahoo	Diptiranjana Sahoo	Diptiranjana Sahoo
57	1501219130	ELINA DAS	Elina Das	Elina Das	Elina Das	Elina Das
58	1501219039	RISHABH RAJ	Rishabh Raj	Rishabh Raj	Rishabh Raj	Rishabh Raj
59	1501219040	SUBI	Subi	Subi	Subi	Subi
60	1501219041	SHREYA KUMARI	Shreya Ku.	Shreya Ku.	Shreya Ku.	Shreya Ku.
61	1501219042	PRATIK PRABHASH	ABS	ABS	ABS	ABS
62	1501219043	AYESHA SHAKIL	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil	Ayesha Shakil
63	1501219161	ANJALI KUMARI	Anjali Kumari	Anjali Kumari	Anjali Kumari	Anjali Kumari
64	1501219162	DIBYAPRAKASH PRADHAN	D.P. Pradhan	D.P. Pradhan	D.P. Pradhan	D.P. Pradhan
65	1501219163	NEHA CHOUBEY	Neha Choubey	Neha Choubey	Neha Choubey	Neha Choubey
66	1501219164	SHASHANK VAIBHAV	Shashank V.	Shashank V.	Shashank V.	Shashank V.
Signature of the Course Coordinator			<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>



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.

DIBYAPRAKASH PRADDHAN

student of the Department

of **Computer Science & Engg.**

semester **Seventh** bearing registration number

1501219162

has successfully completed the ADD-ON Course titled **Data Science**

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

TRUE COPY

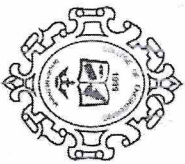
[Signature]

Course-Coordinator

[Signature]

Principal

[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. NEHA CHOUBEY student of the Department

of Computer Science & Engg. semester Seventh bearing registration number 1501219163

has successfully completed the ADD-ON Course titled Data Science

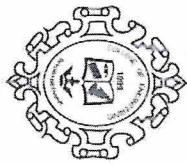
conducted at College of Engineering Bhubaneswar in the academic year 2018-19.

Course-Cordinator

Principal

TRUE COPY

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. SHASHANK VAIBHAV, student of the Department

of Computer Science & Engg. semester Seventh bearing registration number 1501219164

has successfully completed the ADD-ON Course titled Data Science

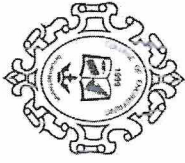
conducted at College of Engineering Bhubaneswar in the academic year 2018-19.

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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. AYESHA SHAKIL student of the Department


of Computer Science & Engg. semester Seventh bearing registration number 1501219043


has successfully completed the ADD-ON Course titled Data Science

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

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Course-Coordinator


Principal


PRINCIPAL
College of Engineering Bhubaneswar