



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

ADD-ON COURSE : Problem Solving Skills
[Programme: B.Tech, CSE]

Course Objectives:

1. To know about the functional units and operational abilities of a computer systems.
2. To know about the computer hardware and different software associated in problem solving using computer systems.
3. To gain a clear approach on analyzing problems and their implementation on computer systems through different programming language

SYLLABUS

Total Lecture Hours : 36

MODULE-I:

[10 Hours]

Introduction to computer system, computer generation and classification, computer organization, operational details of computer system, processor families, memory hierarchy, Structure of RAM, Secondary storage devices, Flash drives etc.

MODULE-II:

[06 Hours]

Software: Types, System Software, Application Software, Utility Software, Compiler, Linker, Loader. Program, Language, data, Information, Types of data, data representation on computer system.

MODULE-III:

[08 Hours]

Problem Solving Techniques, Flow Chart, Algorithms, Pseudo code, language implementation, Syntax, data types, variables, conditional statements, looping, arrays, functions, pointers, files etc.

MODULE-IV:

[06 Hours]

Case study on developing flow chart, algorithms for different problems.

MODULE-V:

[06 Hours]

Computer and External World: Data communication and networking; Internet, Cloud Computing, Big Data and IoT.

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

- CO1: Identify appropriate algorithms, data structures, etc. to use in order to solve a problem.
- CO2: Apply programming skills as a means of implementing an algorithmic solution.
- CO3: Develop intuition to enable students to come up with creative approaches to problems.

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.

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Learning resources:

Suggested Books:


1. Fundamentals of Computers. 6th edition ; by Rajaraman V and Adabala N
2. Computer Organization and Architecture; by Atul P. Godse, Dr. Deepali and A. Godse
3. Computer Fundamentals and Problem Solving; by P S Grover


Other Sources:

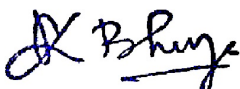
e-Learning Resources:

1. https://onlinecourses.swayam2.ac.in/cec19_cs06
2. https://onlinecourses.nptel.ac.in/noc23_cs53

Design and Developed by: Prof. Tanmaya kumar Das &, Prof. (Dr.) B.B. Biswal


Principal
PRINCIPAL
College of Engineering Bhubaneswar


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


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

COLLEGE OF ENGINEERING BHUBANESWAR
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NOTICE

ADD-ON/CERTIFICATE COURSE

Ref No: COEB/CSE/2020/12 ✓

Date: 05/09/2020

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 2020-21** will commence as per the time table given below in **ONLINE** Mode. The registration process for the course will start from **05/09/2020**. 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
3rd	Problem Solving Skills	Prof. Anugnya Pravamanjari	14/09/2020
5th	Block Chain Technology and Application	Prof. Alaka Rout	14/09/2020
7th	Data Science	Prof. Hiren Praharaj	14/09/2020

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

Splm 5/9/20
Head of the Department

Head
Deptt. of Comp. Sc. & Engg.
College of Engineering Bhubaneswar

Splm 5/9/20
Head of the Department

Head
Deptt. of Comp. Sc. & Engg.
College of Engineering Bhubaneswar

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COLLEGE OF ENGINEERING BHUBANESWAR (COEB)
ADD-ON COURSE ENROLLMENT SHEET


ON-LINE MODE

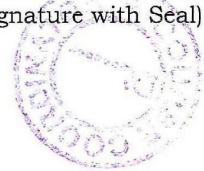
Name of the Department: Computer Science and Engineering	
Course Title: Problem Solving Skills	
Semester : 3rd	Academic Year: 2020-21
Duration: 36 hours	

Student's Declaration/Undertaking



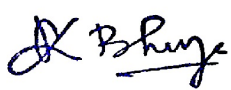
1. I do hereby undertake to participate in the above mentioned add on course.
2. I do hereby, promise to abide by the admissible rules and regulations, concerning discipline, attendance, etc. of the department, and also to follow the Code of Conduct prescribed for the students of the Institute, as in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

Sl. No.	Registration No.	Name of the Student	Remarks by the Course Coordinator
1	1901219023	AAKARSH VERMA	Certified that the Enrollment Sheet is prepared by taking the consents of the students to enroll themselves in this Certificate Course (Add-On) to be conducted in Virtual Mode (ON-LINE) during the Pandemic COVID'19 through the link provided by the Department. They have also gone through the declaration/undertaking to be strictly abided by them during the course period.
2	1901219024	ABHISEK DHAL	
3	1901219025	ABHISEK KUMAR	
4	1901219026	ABINASH ROU	
5	1901219027	ADITYA SAMAL	
6	1901219028	AISHWARYA MISHRA	
7	1901219029	AKASH KUMAR NAYAK	
8	1901219030	AMANDEEP TRIPATHY	
9	1901219031	AMRIT PRITAM	
10	1901219032	AMRITA PRITAM	
11	1901219033	ANANYA DHAR	
12	1901219034	ANKIT KUMAR	
13	1901219035	ANUP KUMAR LENKA	
14	1901219036	ANWITA PALAI	
15	1901219037	ARDHENDU SHEKHAR BEHERA	
16	1901219038	ARUNABH GUPTA	
17	1901219039	ASHUTOSH SAMAL	
18	1901219040	ASHUTOSH SUVANKAR JENA	
19	1901219041	AVIRAL BHARDWAJ	
20	1901219042	BADAL SWAIN	
21	1901219043	BADRI PRASAD SATAPATHY	
22	1901219044	BAISAKHI BEHERA	
23	1901219045	BARUN NAIK	
24	1901219046	BHAGYASHREE RAY	
25	1901219047	BISAL DEHURY	
26	1901219048	BISHWOJEET KUMAR PATRA	
27	1901219049	BITTU KUMAR	
28	1901219050	DEBASMITA PRIYADARSHINI	
29	1901219051	FAIZA ASIM	
30	1901219052	GAYATRI SINGH	
31	1901219053	GOURAV KUMAR DORA	
32	1901219054	GOURAVRANJAN DALEI	
33	1901219055	JEEBANJYOTI BISWAL	
34	1901219056	KARISHMA RATH	
35	1901219057	KARTIKESWAR ACHARYA	
36	1901219058	KUNAL KAPOOR	
37	1901219059	LAXMIKANTA DINGAL	
38	1901219060	MD. NOOR ALAM QUADRI	
39	1901219061	MONAJ KUMAR ROUL	
40	1901219062	MUSKAN AGARWAL	


Course Coordinator
(Signature with Seal)




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Sl.	Registration	Name of the Student	Remarks by the Course Coordinator
41	1901219063	NIKITA KAKKAD	<p>Certified that the Enrollment Sheet is prepared by taking the consents of the students to enroll themselves in this Certificate Course (Add-On) to be conducted in Virtual Mode (ON-LINE) during the Pandemic COVID'19 through the link provided by the Department.</p> <p>They have also gone through the declaration/undertaking to be strictly abided by them during the course period.</p> <p style="text-align: center;">  Course Coordinator (Signature with Seal) </p> <p style="text-align: center;">  </p> <p style="text-align: center;">  PRINCIPAL College of Engineering Bhubaneswar </p>
42	1901219064	NIRMAL KAR	
43	1901219065	PALLAVI PRIYA	
44	1901219066	PRABHAT KUMAR SAHOO	
45	1901219067	PRANAYA KUMAR DASH	
46	1901219068	PRATIK KUMAR BEHERA	
47	1901219069	PRIYANKA SAHOO	
48	1901219070	PRIYANSHU MOHANTY	
49	1901219071	PRIYANSHU PRADHAN	
50	1901219072	RAHUL KUMAR BEHERA	
51	1901219073	RAJ KUMAR DAS	
52	1901219074	RAJA KUMAR	
53	1901219075	RASHMI RANJAN MOHANTY	
54	1901219076	RITUPARNA AICH	
55	1901219077	RIZWANA FIRDAUSH	
56	1901219078	SANGRAM KESHARI BHOI	
57	1901219079	SANGRAM KESHARI HIMIRIKA	
58	1901219080	SARIM SABAH	
59	1901219081	SATYA RANJAN BARIK	
60	1901219082	SATYABRATA SAHOO	
61	1901219083	SEEPAK KUMAR	
62	1901219084	SHREYA SINHA	
63	1901219085	SHUBHRAJEET NAIK	
64	1901219086	SIVAPRASAD DAS	
65	1901219087	SOUMYARANJAN BEURA	
66	1901219088	SOUMYARANJAN MISHRA	
67	1901219089	SRABANI PANIGRAHI	
68	1901219090	SUBHALAXMI PATRA	
69	1901219091	SUBHAM KUMAR	
70	1901219092	SUBHAM KUMAR CHAUDHARY	
71	1901219093	SUBHASURYA MOHAN DAS	
72	1901219094	SUBRAT KUMAR BADAJENA	
73	1901219095	SUCHARITA BHUKTA	
74	1901219096	SUCHITRA JENA	
75	1901219097	SUDARSHAN MAHAPATRA	
76	1901219098	SUDHANSU RANJAN DASH	
77	1901219099	SUMAN KUMAR NAYAK	
78	1901219100	SUNENA MUDULI	
79	1901219101	SUNIL KUMAR BEHERA	
80	1901219102	SUNILKUMAR MAHALIK	
81	1901219103	SUSHMITA MITRA	
82	1901219104	SWARAJ KUMAR BARIK	
83	1901219105	TATWAMASI PRADHAN	
84	1901219106	YASHWANT PATEL	
85	1901219107	AMYANSU TRIPATHY	
86	1901219108	AYUSHEE SARANGI	
87	1901219109	BHABANISHANKAR PRADHAN	
88	1901219110	CHINMAYA KUMAR PANDA	
89	1901219111	PRANAB GIRI	



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

STUDENT ATTENDANCE

A. Bhuy

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ON-LINE MODE

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

Semester: **3rd**

Academic Year: 2020-21

Name of the Course: **PROBLEM SOLVING SKILLS**

Duration : 36 hours			Remarks by the Course Coordinator (P-Present, A-Absent)										
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	Date 21/09/20	Date 22/09/20	Date 23/09/20	Date 24/09/20	Date 25/09/20	Date 28/09/20	Remarks
1	1901219023	AAKARSH VERMA	P	P	P	P	P	P	P	P	P	P	Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.
2	1901219024	ABHISEK DHAL	P	P	P	P	P	P	P	P	P	P	
3	1901219025	ABHISHEK KUMAR	P	P	P	P	P	P	P	P	P	P	
4	1901219026	ABINASH ROUT	P	P	P	P	P	P	P	P	P	P	
5	1901219027	ADITYA SAMAL	P	P	P	P	P	P	P	P	P	P	
6	1901219028	AISHWARYA MISHRA	P	P	P	P	P	P	P	P	P	P	
7	1901219029	AKASH KUMAR NAYAK	P	P	P	P	P	P	P	A	P	P	
8	1901219030	AMANDEEP TRIPATHY	P	P	P	P	P	P	P	P	P	P	
9	1901219031	AMRIT PRITAM	P	P	P	P	P	P	P	P	P	P	
10	1901219032	AMRITA PRITAM	P	P	P	P	P	P	A	P	P	P	
11	1901219033	ANANYA DHAR	P	P	P	P	P	P	P	P	P	P	
12	1901219034	ANKIT KUMAR	P	P	P	P	P	P	P	P	P	P	
13	1901219035	ANUP KUMAR LENKA	P	P	P	P	P	P	P	P	P	P	
14	1901219036	ANWITA PALAI	P	P	P	P	P	P	P	P	P	P	
15	1901219037	ARDHENDU SHEKHAR BEHERA	P	P	P	P	P	P	P	P	P	P	
16	1901219038	ARUNABH GUPTA	P	P	P	P	P	P	P	P	P	P	
17	1901219039	ASHUTOSH SAMAL	P	P	P	P	P	P	P	P	A	P	
18	1901219040	ASHUTOSH SUVANKAR JENA	P	P	P	P	P	P	P	P	P	P	
19	1901219041	AVIRAL BHARDWAJ	P	P	P	P	P	P	P	P	P	P	
20	1901219042	BADAL SWAIN	P	P	P	P	P	P	P	P	P	P	
21	1901219043	BADRI PRASAD SATAPATHY	P	P	P	P	P	P	P	P	P	P	
22	1901219044	BAISAKHI BEHERA	P	P	P	P	P	P	P	P	P	A	
23	1901219045	BARUN NAIK	P	P	P	P	P	P	P	P	P	P	

A. Bhuy
Course Coordinator
(Signature with Seal)



SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Remarks	
			14/09/20	15/9/20	16/9/20	18/9/20	21/9/20	22/9/20	23/9/20	24/9/20	25/9/20	28/9/20		
24	1901219046	BHAGYASHREE RAY	P	P	P	P	P	P	P	P	P	P	Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.	
25	1901219047	BISAL DEHURY	P	P	P	P	P	P	P	P	P	P		
26	1901219048	BISHWOJEET KUMAR PATRA	P	P	A	P	P	P	P	P	P	P		
27	1901219049	BITTU KUMAR	P	P	P	P	P	P	P	P	P	P		
28	1901219050	DEBASMITA PRIYADARSHINI	P	P	P	P	P	P	P	P	P	P		
29	1901219051	FAIZA ASIM	P	P	P	P	P	P	P	P	P	P		
30	1901219052	GAYATRI SINGH	P	P	P	P	P	P	P	P	P	P		
31	1901219053	GOURAV KUMAR DORA	P	P	P	P	P	P	P	P	P	P		
32	1901219054	GOURAVRANJAN DALEI	P	P	P	P	P	P	P	P	P	P		
33	1901219055	JEEBANJYOTI BISWAL	P	P	A	P	P	P	P	P	P	P		
34	1901219056	KARISHMA RATH	P	P	P	P	P	P	P	P	P	P		
35	1901219057	KARTIKESWAR ACHARYA	P	P	P	P	P	P	P	P	A	P		
36	1901219058	KUNAL KAPOOR	P	P	P	P	P	P	P	P	P	P		
37	1901219059	LAXMIKANTA DINGAL	A	A	A	A	A	A	A	A	A	A		
38	1901219060	MD. NOOR ALAM QUADRI	P	P	P	P	P	P	P	P	P	P		
39	1901219061	MONAJ KUMAR ROUL	P	P	P	P	P	P	P	P	P	P		
40	1901219062	MUSKAN AGARWAL	P	P	P	P	P	P	P	P	P	P		
41	1901219063	NIKITA KAKKAD	P	A	P	P	P	P	P	P	P	P		
42	1901219064	NIRMAL KAR	P	P	P	P	P	P	P	P	P	P		
43	1901219065	PALLAVI PRIYA	P	P	P	P	P	P	P	P	P	P		
44	1901219066	PRABHAT KUMAR SAHOO	P	P	P	P	P	P	P	P	P	P		
45	1901219067	PRANAYA KUMAR DASH	P	P	P	P	P	P	P	P	P	P		
46	1901219068	PRATIK KUMAR BEHERA	P	P	P	P	P	P	P	P	P	P		
47	1901219069	PRIYANKA SAHOO	P	P	P	P	P	P	P	P	P	P		
48	1901219070	PRIYANSHU MOHANTY	P	P	P	P	P	P	P	P	P	P		
49	1901219071	PRIYANSHU PRADHAN	P	P	P	P	P	P	P	P	P	P		
50	1901219072	RAHUL KUMAR BEHERA	P	P	P	P	P	P	P	P	P	P		
51	1901219073	RAJ KUMAR DAS	P	P	P	P	P	P	P	P	P	P		
52	1901219074	RAJA KUMAR	P	P	P	P	P	P	P	P	P	P		
Signature of the Course Coordinator			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		

[Signature]
Course Coordinator
 (Signature with Seal)



[Signature]
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SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Remarks
			14/9/20	15/9/20	16/9/20	18/9/20	21/9/20	22/9/20	23/9/20	24/9/20	25/9/20	28/9/20	
53	1901219075	RASHMI RANJAN MOHANTY	P	P	P	P	P	P	P	P	P	P	Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.
54	1901219076	RITUPARNA AICH	P	P	P	P	P	A	P	P	A	P	
55	1901219077	RIZWANA FIRDAUSH	P	P	P	P	P	P	P	P	P	P	
56	1901219078	SANGRAM KESHARI BHOI	P	P	P	P	P	P	P	P	P	P	
57	1901219079	SANGRAM KESHARI HIMIRIKA	P	P	P	P	P	P	P	P	P	P	
58	1901219080	SARIM SABAH	A	A	A	A	A	A	A	A	A	A	
59	1901219081	SATYA RANJAN BARIK	P	P	P	P	P	P	P	P	P	P	
60	1901219082	SATYABRATA SAHOO	P	P	P	P	P	P	P	P	P	P	
61	1901219083	SEEPAK KUMAR	P	P	P	P	P	P	P	P	P	P	
62	1901219084	SHREYA SINHA	P	P	P	P	P	P	P	A	P	P	
63	1901219085	SHUBHRAJEET NAIK	P	P	P	P	P	P	P	P	P	P	
64	1901219086	SIVAPRASAD DAS	P	P	P	P	P	P	P	P	P	P	
65	1901219087	SOUMYARANJAN BEURA	P	P	P	P	P	P	P	P	P	P	
66	1901219088	SOUMYARANJAN MISHRA	P	P	P	P	P	P	P	P	P	P	
67	1901219089	SRABANI PANIGRAHI	P	P	P	P	P	P	P	P	P	P	
68	1901219090	SUBHALAXMI PATRA	P	P	P	P	P	P	P	P	P	P	
69	1901219091	SUBHAM KUMAR	P	P	P	P	P	P	P	P	P	P	
70	1901219092	SUBHAM KUMAR CHAUDHARY	P	P	P	P	P	P	P	P	P	P	
71	1901219093	SUBHASURYA MOHAN DAS	P	P	P	P	P	P	P	P	P	P	
72	1901219094	SUBRAT KUMAR BADAJENA	P	P	P	P	P	P	P	P	P	P	
73	1901219095	SUCHARITA BHUKTA	P	P	P	P	P	P	P	P	P	P	
74	1901219096	SUCHITRA JENA	P	P	P	P	P	P	A	P	P	P	
75	1901219097	SUDARSHAN MAHAPATRA	P	P	P	P	P	P	P	P	P	P	
76	1901219098	SUDHANSU RANJAN DASH	P	P	P	P	P	P	A	P	P	P	
77	1901219099	SUMAN KUMAR NAYAK	P	P	P	P	P	P	P	P	P	P	
78	1901219100	SUNENA MUDULI	A	A	A	A	A	A	A	A	A	A	
79	1901219101	SUNIL KUMAR BEHERA	P	P	P	P	P	P	P	P	P	P	
80	1901219102	SUNILKUMAR MAHALIK	P	P	P	P	P	P	P	P	P	P	
81	1901219103	SUSHMITA MITRA	P	P	P	P	P	P	P	P	P	P	
Signature of the Course Coordinator			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

[Signature]
Course Coordinator
 (Signature with Seal)

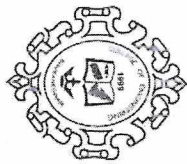


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SL. NO.	Reg. No./ Enrollment No.	NAME OF THE STUDENT	Date	Date	Date	Date	Date	Date	Date	Date	Date	Remarks
			14/9/20	15/9/20	16/9/20	18/9/20	21/9/20	22/9/20	23/9/20	24/9/20	25/9/20	
82	1901219104	SWARAJ KUMAR BARIK	P	P	P	P	P	P	P	P	P	Certified that this Certificate course is conducted in virtual mode (ON-LINE) because of the Pandemic COVID-19. The attendance is taken with the remarks P-Present and A-Absent for the students.
83	1901219105	TATWAMASI PRADHAN	A	A	A	A	A	A	A	A	A	
84	1901219106	YASHWANT PATEL	P	P	P	P	P	P	P	P	P	
85	1901219107	AMYANSU TRIPATHY	P	P	P	P	P	P	P	P	P	
86	1901219108	AYUSHEE SARANGI	P	P	P	P	P	P	P	P	P	
87	1901219109	BHABANISHANKAR PRADHAN	P	P	P	P	P	P	P	P	P	
88	1901219110	CHINMAYA KUMAR PANDA	P	P	P	P	P	P	P	P	P	
89	1901219111	PRANAB GIRI	P	P	P	P	P	P	P	P	P	
90	1901219112	RAMA RAMAN JAGADEV	P	P	P	P	P	P	P	P	P	
91	1901219212	ABHISEK MANDAL	P	P	P	P	P	P	P	P	P	
92	1901219213	BARSHA MAHALA	P	P	P	P	P	P	P	P	P	
93	1901219214	BISWAJITA BARIK	P	P	P	P	P	P	P	P	P	
94	1901219215	DIPTI RANJAN ROUT	P	P	P	P	P	P	P	P	P	
95	1901219216	JAIKISHORE GHADAI	P	P	P	P	P	P	P	P	A	
96	1901219217	MAMINA ANAYAK	P	P	P	P	P	P	P	P	P	
97	1901219218	RADHASHYAM BEHERA	P	P	P	P	P	P	P	P	P	
98	1901219219	RAJESH KUMAR BARIK	P	P	P	P	P	P	A	A	P	
99	1901219220	SOUMYAJYOTI SAHOO	P	P	P	P	P	P	P	P	P	
100	1901219221	SUCHITRA SAMAL	P	P	P	P	P	P	A	P	P	
Signature of the Course Coordinator			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

[Signature]
Course Coordinator
(Signature with Seal)


[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. AAKARSH VERMA, student of the Department

of Computer Science Engg. semester Third bearing registration number 1901219023

has successfully completed the ADD-ON Course titled Problem Solving Skills

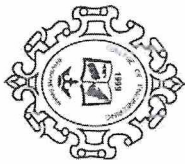
conducted at College of Engineering Bhubaneswar in the academic year 2020-21.

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Course-Coordinator

Principal

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Certificate of Completion

This is to certify that Mr./Ms. ABHISEK DHAL, student of the Department

of Computer Science Engg. semester Third bearing registration number 1901219024

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A. B. Singh

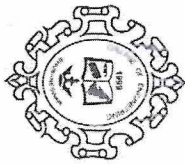
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This is to certify that Mr./Ms. ABHISHEK KUMAR, student of the Department

of Computer Science Engg. semester Third bearing registration number 1901219025

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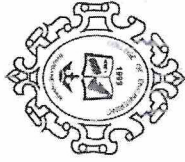
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Certificate of Completion

This is to certify that Mr./Ms. ABINASH ROUT, student of the Department

of Computer Science Engg. semester Third bearing registration number 1901219026

has successfully completed the ADD-ON Course titled Problem Solving Skills

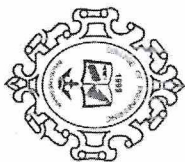
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This is to certify that Mr./Ms. ADITYA SAMAL, student of the Department

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