



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)
DTE INSTITUTE CODE : EN-6288
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050
Web : <http://coekolhapur.bharativedyapeeth.edu> E-mail : coekolhapur@bharativedyapeeth.edu

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

CIE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: BT	Semester VII
Program: CSE	PCC-CS701: Advanced Computer Architecture	

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll No.		
1	20	26
2	15	28
3	16	30
4	18	26
5	18	26
6	13	30
7	14	30
8	18	30
9	22	22
10	15	30
11	21	28
12	20	26
13	11	28
14	7	24
15	11	26
16	26	28
17	17	28
18	21	26
19	17	28
20	22	28
21	22	30
22	20	26
23	21	26
24	17	28
25	23	30
26	18	28
27	18	28
28	25	28

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll No.		
29	25	28
30	25	28
31	18	28
32	24	30
33	21	28
34	24	30
35	23	30
36	21	30
37	21	30
38	24	30
39	19	30
40	21	30
41	22	30
42	21	30
43	26	30
44	26	28
45	25	28
46	12	30
47	13	28
48	18	30
49	17	26
50	20	28
51	13	26
52	24	28
53	26	30
54	26	30
55	22	28
56	23	28



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FOUNDER & CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Academic Year:2021-22	Class: BT	Semester VII
Program: CSE	PCC-CS701: Advanced Computer Architecture	

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6		
Marks	70	NA	25
PRN NO			
2018087065	50	NA	23
2018087042	59	NA	22
2018087120	45	NA	19
2018087036	30	NA	22
2018087071	53	NA	20
2019084335	48	NA	19
2018087111	50	NA	30
2019084415	45	NA	23
2018087037	53	NA	21
2018087116	48	NA	20
2018087163	50	NA	24
2018087038	48	NA	20
2018087055	50	NA	22
2018087125	53	NA	21
2018087035	50	NA	20
2018087110	53	NA	19
2018089007	62	NA	20
2018087057	53	NA	18
2018087046	50	NA	20
2019084416	48	NA	17
2018087040	56	NA	22
2019089666	53	NA	20
2018087051	50	NA	20
2019084419	48	NA	21
2018087104	50	NA	17
2018087063	56	NA	20
2018087085	53	NA	20
2018087087	53	NA	21

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6		
Marks	70	NA	25
PRN NO			
2018087043	53	NA	22
2019084410	48	NA	20
2018087076	53	NA	24
2019089668	53	NA	21
2018087070	53	NA	22
2019084412	48	NA	23
2018087052	50	NA	22
2019084409	56	NA	23
2018087041	45	NA	23
2019084413	45	NA	23
2018087084	53	NA	22
2018087144	50	NA	23
2018087381	59	NA	23
2018087097	50	NA	21
2018087106	48	NA	21
2018087039	48	NA	23
2019084417	50	NA	23
2018087054	53	NA	21
2019084414	45	NA	20
2018087370	50	NA	20
2018087122	48	NA	18
2019086282	48	NA	22
2018087074	50	NA	24
2018087108	48	NA	22
2018087067	53	NA	20
2018087371	48	NA	22
2019085687	53	NA	18
2018087049	48	NA	20



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Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

COURSE EXIT SURVEY

Academic Year:2021-22	Class: BT	Semester VII
Program: CSE	PCC-CS701: Advanced Computer Architecture	

Name of Student: _____

Roll NO: _____

After the completion of the course PCC-CS701: Advanced Computer Architecture Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

CO1 Q1. Demonstrate concepts of parallelism in hardware/software

Rate _____

CO2 Q2. Discuss memory organization and mapping techniques

Rate _____

CO3 Q3. Describe architectural features of advanced processors

Rate _____

CO4 Q4. Interpret performance of different pipelined processors

Rate _____

CO5 Q5. Explain data flow in arithmetic algorithms

Rate _____

CO6 Q6. Development of software to solve computationally intensive problems

Rate _____

CO	CO1	CO2	CO3	CO4	CO5	CO6
Rate Given						

Faculty Sign

Academic Year:2021-22	Class: BT	Semester VII
Program: CSE	PCC-CS701: Advanced Computer Architecture	

Roll No	PRN	CO1	CO2	CO3	CO4	CO5	CO6
1	2018087065	3	2	3	2	3	2
2	2018087042	2	3	2	3	2	2
3	2018087120	3	2	3	2	3	2
4	2018087036	2	3	3	2	3	3
5	2018087071	3	2	3	2	3	3
6	2019084335	2	2	2	2	2	3
7	2018087111	3	2	3	2	3	3
8	2019084415	2	3	2	3	2	3
9	2018087037	3	2	3	2	3	3
10	2018087116	2	3	3	2	3	3
11	2018087163	3	2	3	2	3	3
12	2018087038	2	3	2	3	2	3
13	2018087055	3	2	3	2	3	2
14	2018087125	2	2	2	3	2	3
15	2018087035	3	2	3	2	3	2
16	2018087110	3	3	3	2	3	3
17	2018089007	3	2	3	2	3	3
18	2018087057	2	3	2	3	2	3
19	2018087046	3	2	3	2	3	2
20	2019084416	2	3	2	3	2	3
21	2018087040	3	2	3	2	3	2
22	2019089666	2	3	3	2	3	3
23	2018087051	3	2	3	2	3	2
24	2019084419	3	3	2	3	2	3
25	2018087104	3	2	3	2	3	2
26	2018087063	3	3	2	3	2	3
27	2018087085	3	2	3	2	3	2
28	2018087087	3	2	3	2	3	3
29	2018087043	3	2	3	2	3	3
30	2019084410	2	2	2	3	2	3
31	2018087076	3	2	3	2	3	2
32	2019089668	2	2	2	3	2	3
33	2018087070	3	2	3	2	3	2
34	2019084412	3	2	3	2	3	3
35	2018087052	3	2	3	2	3	3
36	2019084409	2	3	2	3	2	3
37	2018087041	3	2	3	2	3	3
38	2019084413	2	3	2	3	2	3
39	2018087084	3	2	3	2	3	2
40	2018087144	2	2	3	2	3	3
41	2018087381	3	2	3	2	3	3
42	2018087097	2	3	2	3	2	3
43	2018087106	3	2	3	2	3	2
44	2018087039	3	3	2	3	2	3
45	2019084417	3	2	3	2	3	2
46	2018087054	3	3	3	2	3	3
47	2019084414	3	2	3	2	3	3

48	2018087370	3	2	2	3	2	3
49	2018087122	3	2	3	2	3	2
50	2019086282	2	2	2	3	3	2
51	2018087074	3	2	3	2	3	2
52	2018087108	2	2	3	2	3	3
53	2018087067	3	2	3	2	3	3
54	2018087371	2	3	2	3	3	3
55	2019085687	3	2	3	2	3	2
56	2018087049	2	3	2	3	2	3
57	2019084333	3	2	3	2	3	3
58	2018087181	2	3	2	2	3	3
59	2018087060	3	2	3	2	3	3
60	2018079226	2	2	3	3	2	3
61	2017050464	3	2	3	2	3	3
62	2017050493	3	2	3	2	2	3
63	2017057305	3	2	3	3	3	2
64	2017050868	3	2	2	2	3	3
65	2017101715	3	2	3	2	3	3
66	2017050571	3	2	2	2	3	3
67	2017050507	3	2	3	2	3	3
68	2017050547	3	2	3	2	3	3
69	1212397233	3	2	3	2	3	3
70	2017050498	3	2	3	3	3	3
71	2017057146	3	2	3	2	3	2
72	2017050851	3	2	2	3	2	3
		194	163	193	166	196	195
		2.69	2.26	2.68	2.31	2.72	2.71
Average Indirect Attainment		2.56					



Faculty Sign



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PRINCIPAL

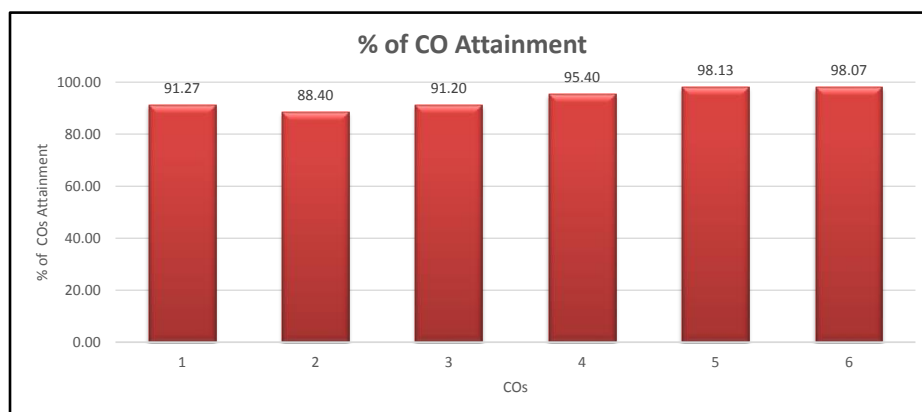
Dr. Vijay Ghorpade

M.E., Ph. D. (Computer)

Attainment of COs

Program: CSE		PCC-CS701: Advanced Computer Architecture		Class: BT		Semester VII		Academic Year: 2021-22	
SN	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average	(Course End Survey)		
	Weigtage	0.25	0.5	NA	0.25				
CO1	Demonstrate concepts of parallelism in hardware/software	2	3	NA	3	2.75	2.69	2.74	91.27
CO2	Discuss memory organization and mapping techniques	2	3	NA	3	2.75	2.26	2.65	88.40
CO3	Describe architectural features of advanced processors	2	3	NA	3	2.75	2.68	2.74	91.20
CO4	Interpret performance of different pipelined processors	3	3	NA	3	3.00	2.31	2.86	95.40
CO5	Explain data flow in arithmetic algorithms	3	3	NA	3	3.00	2.72	2.94	98.13
CO6	Development of software to solve computationally intensive problems	3	3	NA	3	3.00	2.71	2.94	98.07

Overall Attainment=0.8*Direct+0.2*Indirect



Dr. Rahul P Mirajkar
Course Coordinator

Mrs. S.M. Mulla
HoD

Dr. Vijay R. Ghorpade
Principal



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M.E., Ph. D. (Computer)

Attainment of POs

Program: CSE	PCC-CS701: Advanced Computer Architecture	Class: BT	Semester VII	Academic Year: 2021-22
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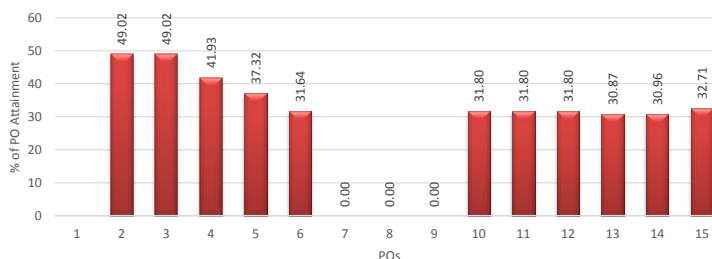
CO-PO Mapping

CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.74	2	2		1								1	1		
CO2	2.65	2	2	1	1								1	1		
CO3	2.74	2	2		1	1								1		
CO4	2.86	1	1	2	2	1				1	1	1		1		
CO5	2.94	1	1	1	1	1							1	1	1	
CO6	2.94	1	1		1	1				1	1	1			2	

CO-PO Attainment

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1.83	1.83		0.91								0.91	0.91		
CO2	1.77	1.77	0.88	0.88								0.88	0.88		
CO3	1.82	1.82		0.91	0.91								0.91		
CO4	0.95	0.95	1.91	1.91	0.95				0.95	0.95	0.95		0.95		
CO5	0.98	0.98	0.98	0.98	0.98							0.98	0.98	0.98	
CO6	0.98	0.98		0.98	0.98				0.98	0.98	0.98			1.96	
PO Attainment From Course	1.47	1.47	1.26	1.12	0.95	0.00	0.00	0.00	0.95	0.95	0.95	0.93	0.93	0.98	0.00
% of PO Attainment From Course	49.02	49.02	41.93	37.32	31.64	0.00	0.00	0.00	31.80	31.80	31.80	30.87	30.96	32.71	0.00

% of PO Attainment From Course



Dr. Rahul P Mirajkar
Course Coordinator

Mrs. S.M. Mulla
HoD

Dr. Vijay R. Ghorpade
Principal



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M.E., Ph. D. (Computer)

CIE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: B TECH	Semester VII
Program: CSE	PCC- CS702 : Cloud Computing	

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll Number		
1	21	28
2	18	30
3	18	30
4	21	30
5	18	28
6	19	28
7	24	28
8	20	28
9	23	24
10	25	30
11	22	28
12	21	28
13	10	28
14	16	28
15	14	24
16	29	28
17	20	26
18	27	26
19	19	28
20	25	28
21	20	28
22	27	28
23	20	28
24	24	28
25	23	30
26	22	26
27	22	26
28	23	26

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll Number		
29	21	26
30	24	26
31	19	28
32	27	28
33	26	28
34	23	28
35	22	28
36	22	28
37	21	28
38	27	28
39	20	28
40	24	28
41	18	28
42	24	28
43	25	28
44	25	28
45	26	28
46	19	28
47	18	28
48	17	28
49	13	28
50	15	28
51	14	28
52	27	28
53	24	30
54	25	28
55	22	28
56	21	28

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll Number		
57	30	30
58	28	28
59	28	28
60	28	28
61	28	28
62	28	28
63	30	30
64	28	28
65	28	28
66	28	28
67	30	30
68	28	28
69	26	26
70	28	28

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll Number		
71	19	28
72	19	28

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Threshold %	40	
Threshold Marks	12	12
No. of Students Above Threshold Marks	71	72
Total No. of Students in Class	72	
CO Wise Average Percentage Attainment*	98.61	100
Attainment Level**	3	3

CO	Average Attainment Level**	*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
CO1	3	
CO2	3	
CO3	3	
CO4	3	
CO5	3	
CO6	3	

 Mrs. R.V. Jadhav Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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PRINCIPAL

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M.E., Ph. D. (Computer)

ESE Result Analysis: Attainment of COs

Academic Year:2021-22	Class:B Tech	Semester VII
Program: CSE	PCC- CS702 : Cloud Computing	

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6		
Marks	70	NA	25
PRN			
2018087065	70	NA	24
2018087042	67	NA	23
2018087120	67	NA	20
2018087036	67	NA	22
2018087071	67	NA	24
2019084335	67	NA	20
2018087111	67	NA	19
2019084415	64	NA	24
2018087037	64	NA	23
2018087116	64	NA	20
2018087163	70	NA	24
2018087038	64	NA	21
2018087055	67	NA	20
2018087125	67	NA	24
2018087035	64	NA	23
2018087110	67	NA	20
2018089007	70	NA	20
2018087057	67	NA	19
2018087046	64	NA	21
2019084416	64	NA	23
2018087040	64	NA	21
2019089666	70	NA	24
2018087051	67	NA	20
2019084419	64	NA	23
2018087104	67	NA	22
2018087063	67	NA	23
2018087085	64	NA	19
2018087087	67	NA	22

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6		
Marks	70	NA	25
PRN			
2018087043	67	NA	24
2019084410	67	NA	24
2018087076	67	NA	21
2019089668	67	NA	21
2018087070	67	NA	22
2019084412	64	NA	19
2018087052	62	NA	23
2019084409	70	NA	22
2018087041	56	NA	24
2019084413	67	NA	24
2018087084	67	NA	23
2018087144	70	NA	24
2018087381	67	NA	20
2018087097	64	NA	20
2018087106	67	NA	22
2018087039	70	NA	23
2019084417	70	NA	23
2018087054	67	NA	23
2019084414	67	NA	24
2018087370	67	NA	19
2018087122	67	NA	19
2019086282	64	NA	24
2018087074	67	NA	22
2018087108	67	NA	24
2018087067	64	NA	23
2018087371	67	NA	21
2019085687	67	NA	22
2018087049	70	NA	23



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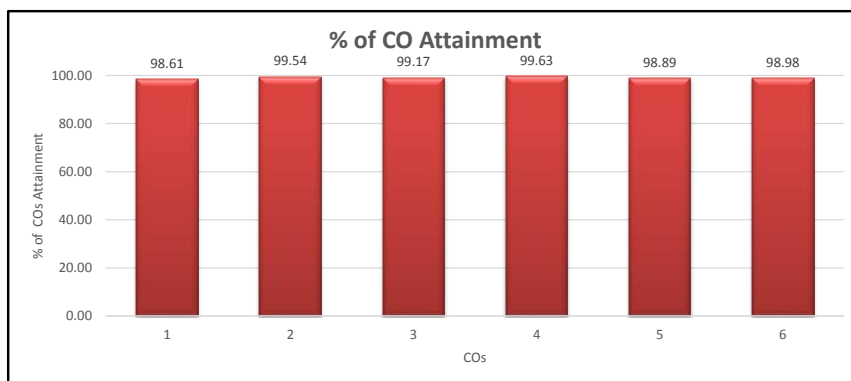
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Attainment of COs

Program: CSE		PCC- CS702 : Cloud Computing		Class: B TECH		Semester VII	Academic Year: 2021-22		
SN	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average	(Course End Survey)		
	Weigtage	0.25	0.5	NA	0.25				
CO1	Describe the main concepts, key technologies, strengths, and limitations of cloudcomputing	3	3	NA	3	3.00	2.79	2.96	98.61
CO2	Explain the architecture and infrastructure of cloud computing, including SaaS, PaaS,IaaS,	3	3	NA	3	3.00	2.93	2.99	99.54
CO3	Collaboratively research on the state of the art (and open problems)in cloud computing.	3	3	NA	3	3.00	2.88	2.98	99.17
CO4	Identify problems, and explain, analyze, and evaluate various cloud computingsolutions.	3	3	NA	3	3.00	2.94	2.99	99.63
CO5	Choose the appropriate technologies, algorithms, and approaches for the related	3	3	NA	3	3.00	2.83	2.97	98.89
CO6	Display new ideas and innovations in cloud computing.	3	3	NA	3	3.00	2.85	2.97	98.98

Overall Attainment=0.8*Direct+0.2*Indirect



 Mrs. R. V. Jadhav Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

FOUNDER & CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

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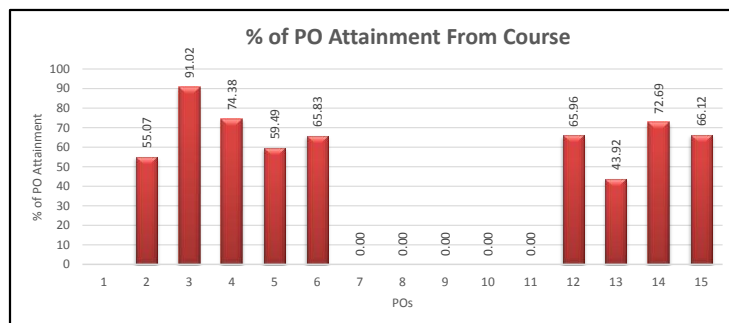
Attainment of POs

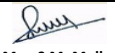
Program: CSE	PCC- CS702 : Cloud Computing	Class: B Tech	Semester VII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.96	2	2	3	2	3							2	3	2	
CO2	2.99		3	2	2									3	2	
CO3	2.98	1	3	2		1							1	2	2	
CO4	2.99	2	3	2	2									1	2	
CO5	2.97				1							2	1			
CO6	2.97				2							2		2	2	

Note: S(3)- strongly Connected M(2)- Medium Connected W(1)-Weakly connected

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1.97	1.97	2.96	1.97	2.96							1.97	2.96	1.97	
CO2		2.99	1.99	1.99									2.99	1.99	
CO3	0.99	2.98	1.98		0.99							0.99	1.98	1.98	
CO4	1.99	2.99	1.99	1.99									1.00	1.99	
CO5				0.99							1.98	0.99			
CO6				1.98							1.98		1.98	1.98	
PO Attainment From Course	1.65	2.73	2.23	1.78	1.98	0.00	0.00	0.00	0.00	0.00	1.98	1.32	2.18	1.98	0.00
% of PO Attainment From Course	55.07	91.02	74.38	59.49	65.83	0.00	0.00	0.00	0.00	0.00	65.96	43.92	72.69	66.12	0.00



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M.E., Ph. D. (Computer)

COURSE EXIT SURVEY

Academic Year:2021-22	Class: B TECH	Semester VII
Program: CSE	PCC- CS702 : Cloud Computing	

Name of Student: _____ Roll NO: _____

After the completion of the course PCC- CS702 : Cloud Computing Do you think following outcomes are achieved. Then rate the achievement on point scale of (1-3, 1: Lowest 2: Medium 3: Highest)

Q1. Describe the main concepts, key technologies, strengths, and limitations of cloud computing and the possible applications for state-

Rate_____

Q2. Explain the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud

Rate_____

Q3. Collaboratively research on the state of the art (and open problems) in cloud computing.

Rate_____

Q4. Identify problems, and explain, analyze, and evaluate various cloud computing solutions.

Rate_____

Q5. Choose the appropriate technologies, algorithms, and approaches for the related issues.

Rate_____

Q6. Display new ideas and innovations in cloud computing.

Rate_____

CO	CO1	CO2	CO3	CO4	CO5	CO6
Rate Given						

Faculty Sign

Academic Year:2021-22	Class: B TECH	Semester VII
Program: CSE	PCC- CS702 : Cloud Computing	

Roll No	PRN	C01	CO2	CO3	CO4	CO5	CO6
1	2018087065	2	3	3	3	3	3
2	2018087042	3	3	3	3	3	3
3	2018087120	3	3	3	3	3	2
4	2018087036	2	3	3	3	3	3
5	2018087071	3	3	2	3	3	3
6	2019084335	3	3	3	3	3	3
7	2018087111	2	3	3	3	2	3
8	2019084415	3	3	3	3	3	3
9	2018087037	3	3	3	3	3	3
10	2018087116	3	3	3	3	3	3
11	2018087163	3	3	2	3	3	3
12	2018087038	3	3	3	3	3	3
13	2018087055	3	2	3	3	3	3
14	2018087125	3	3	3	3	3	3
15	2018087035	3	3	3	3	3	3
16	2018087110	3	3	3	3	2	3
17	2018089007	2	3	3	2	3	2
18	2018087057	3	3	3	3	3	3
19	2018087046	3	3	2	3	3	2
20	2019084416	2	3	3	3	3	2
21	2018087040	3	3	3	3	3	3
22	2019089666	3	2	3	3	3	3
23	2018087051	2	2	3	2	3	3
24	2019084419	3	3	3	2	3	3
25	2018087104	2	3	2	3	2	3
26	2018087063	3	3	3	3	3	2
27	2018087085	2	3	3	3	3	3
28	2018087087	3	3	3	3	2	2
29	2018087043	3	3	3	3	3	3
30	2019084410	2	3	3	3	3	3
31	2018087076	3	2	2	3	2	3
32	2019089668	3	3	3	3	3	3
33	2018087070	3	3	2	3	2	3
34	2019084412	3	3	3	3	3	3
35	2018087052	3	3	3	3	3	3
36	2019084409	3	3	3	3	3	3
37	2018087041	3	3	3	3	3	3
38	2019084413	3	3	3	3	3	3
39	2018087084	3	3	3	3	3	3
40	2018087144	3	3	3	3	3	3
41	2018087381	3	3	3	3	3	3
42	2018087097	3	3	3	3	3	3

43	2018087106	3	3	3	3	3	3
44	2018087039	3	3	3	3	3	3
45	2019084417	3	3	3	3	3	3
46	2018087054	3	3	3	3	3	3
47	2019084414	3	3	3	3	3	3
48	2018087370	3	3	3	3	3	3
49	2018087122	3	3	3	3	3	3
50	2019086282	3	3	3	3	3	3
51	2018087074	3	3	3	3	3	3
52	2018087108	3	3	3	3	3	3
53	2018087067	3	3	3	3	2	2
54	2018087371	3	3	3	3	3	3
55	2019085687	3	3	3	3	3	2
56	2018087049	3	3	3	3	2	3
57	2019084333	2	3	2	3	3	3
58	2018087181	3	3	3	3	2	3
59	2018087060	2	3	3	3	3	3
60	2018079226	2	3	3	3	3	2
61	2017050464	3	3	3	3	3	3
62	2017050493	2	3	3	3	3	2
63	2017057305	2	3	3	2	3	3
64	2017050868	3	3	3	3	2	3
65	2017101715	3	3	3	3	2	3
66	2017050571	3	2	2	3	3	3
67	2017050507	3	3	3	3	3	3
68	2017050547	2	3	2	3	3	3
69	1212397233	3	3	3	3	2	3
70	2017050498	3	3	3	3	3	2
71	2017057146	3	3	3	3	3	3
72	2017050851	3	3	3	3	3	3
Indirect CO Attainment		2.79	2.93	2.88	2.94	2.83	2.85
Average Indirect Attainment		2.87					


Faculty Sign



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CIE Result Analysis: Attainment of COs

Academic Year:2021-22			Class: B TECH		Semester VIII
Program: CSE			PCC - CS801 : Big Data Analytics		
Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5	CO	CO1, CO2, CO3	CO4, CO5
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
1	12	17	29	20	21
2	9	13	30	20	20
3	9	12	31	20	19
4	15	17	32	21	25
5	19	16	33	16	21
6	12	18	34	18	25
7	14	24	35	18	20
8	16	23	36	16	23
9	14	18	37	13	19
10	13	21	38	9	25
11	11	21	39	9	20
12	10	20	40	22	25
13	11	11	41	7	19
14	14	16	42	13	16
15	6	16	43	15	24
16	25	19	44	12	22
17	14	21	45	16	19
18	15	23	46	9	18
19	11	23	47	12	14
20	17	21	48	11	18
21	17	20	49	8	10
22	23	25	50	8	16
23	17	23	51	1	7
24	17	19	52	19	16
25	19	19	53	17	26

26	16	19
27	16	22
28	18	18
Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll Number		
57	13	20
58	18	21
59	8	14
60	15	21
61	AB	18
62	12	20
63	16	22
64	13	26
65	17	28
66	14	24
67	15	24
68	18	15
69	23	23
70	18	21

54	13	16
55	15	9
56	14	15
Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Roll Number		
71	15	15
72	17	13
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5
Marks	30	30
Threshold %	40	
Threshold Marks	12	12
No. of Students Above Threshold Marks	55	68
Total No. of Students in Class	72	
CO Wise Average Percentage Attainment*	76.39	94
Attainment Level**	3	3
CO	Average Attainment Level**	*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
CO1	3	
CO2	3	
CO3	3	
CO4	3	
CO5	3	

 Mrs. S. M. Mulla Course Coordinator	 Mrs. S. M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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ESE Result Analysis: Attainment of COs

Academic Year:2021-22					Class:B Tech		Semester VIII			
Program: CSE					PCC - CS801 : Big Data Analytics					
Exam	ESE	OE/POE	TW		Exam	ESE	OE/POE	TW		
CO	CO1, CO2, CO3, CO4, CO5				CO	CO1, CO2, CO3, CO4, CO5				
Marks	70	50	25		Marks	70	50	25		
PRN					PRN					
2018087065	64	41	23		2018087043	67	44	21		
2018087042	67	45	24		2019084410	67	45	23		
2018087120	70	42	21		2018087076	70	41	20		
2018087036	70	43	22		2019089668	67	41	23		
2018087071	70	42	23		2018087070	70	40	20		
2019084335	67	42	20		2019084412	70	42	21		
2018087111	70	40	19		2018087052	70	44	21		
2019084415	70	41	21		2019084409	62	41	20		
2018087037	67	44	22		2018087041	48	42	21		
2018087116	70	38	18		2019084413	70	42	23		
2018087163	70	45	24		2018087084	70	39	18		
2018087038	70	41	20		2018087144	67	45	23		
2018087055	70	39	19		2018087381	67	45	21		
2018087125	67	46	23		2018087097	70	38	22		
2018087035	70	44	21		2018087106	70	39	20		
2018087110	79	37	19		2018087039	70	42	22		
2018089007	70	39	19		2019084417	67	42	24		
2018087057	70	38	20		2018087054	67	38	20		
2018087046	70	43	21		2019084414	70	43	22		
2019084416	70	39	19		2018087370	67	40	20		
2018087040	70	43	23		2018087122	70	42	21		
2019089666	70	40	22		2019086282	64	41	21		
2018087051	70	41	21		2018087074	59	45	24		

2019084419	67	42	21	2018087108	64	45	22
2018087104	70	39	18	2018087067	70	40	21
2018087063	70	40	20	2018087371	67	44	21
2018087085	64	39	20	2019085687	67	40	19
2018087087	70	44	22	2018087049	70	44	23
2019084333	67	40	20	2017057146	64	40	19
2018087181	64	38	17	2017050851	64	35	16
2018087060	70	40	21				
2018079226	67	44	24				
2017050464	62	40	21				
2017050493	70	43	22				
2017057305	67	39	19				
2017050868	62	41	22				
2017101715	62	39	19				
2017050571	70	42	20				
2017050507	67	39	18				
2017050547	67	40	20				
1212397233	70	39	20				
2017050498	70	42	20				
Exam		ESE		OE/POE		TW	
CO		CO1, CO2, CO3,CO4,CO5					
Marks	70		50		25		
Threshold %	40		40		40		
Threshold Marks	28		20		10		
No. of Students Above Threshold Marks	72		72		72		
Total No. of Students in Class	72		72		72		
CO Wise Average Percentage Attainment*	100.00		100		100.00		
Attainment Level**	3		NA		3		
CO	Average Attainment Level**			* Calculate CO wise Percentage Attainment Level Manually ** Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3			
	ESE	OE/POE	TW				
CO1	3	3	3				
CO2	3	3	3				
CO3	3	3	3				
CO4	3	3	3				
CO5	3	3	3				
 Mrs. S. M. Mulla Course Coordinator		 Mrs. S. M. Mulla HoD		 Dr. Vijay R. Ghorpade Principal			



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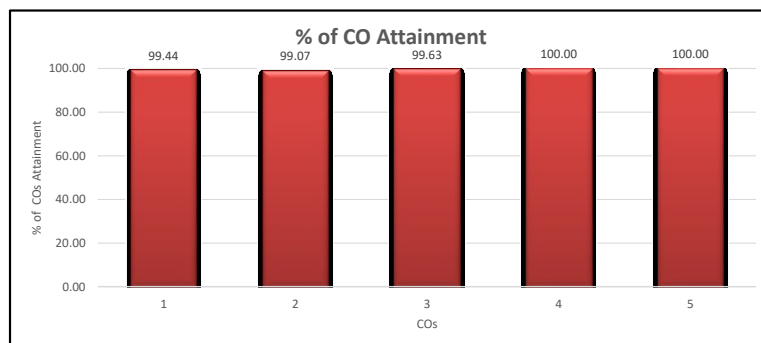
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Attainment of COs

Program: CSE		PCC - CS801 : Big Data Analytics			Class: B TECH		Semester VIII	Academic Year: 2021-22	
SN	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average			
	Weightage	0.25	0.25	0.25	0.25		(Course End Survey)		
CO1	Analyze several key technologies used in manipulating, storing, and analyzing big data.	3	3	3	3	3.00	2.92	2.98	99.44
CO2	Acquire clear understanding of R & Hadoop.	3	3	3	3	3.00	2.86	2.97	99.07
CO3	Acquire clear understanding of Integrating R & Hadoop and Acquire clear understanding of Hadoop Streaming and its importance.	3	3	3	3	3.00	2.94	2.99	99.63
CO4	Manage Big Data and analyze Big Data.	3	3	3	3	3.00	3.00	3.00	100.00
CO5	Apply tools and techniques to analyze Big Data.	3	3	3	3	3.00	3.00	3.00	100.00

Overall Attainment=0.8*Direct+0.2*Indirect



 Mrs. S. M. Mulla Course Coordinator	 Mrs. S. M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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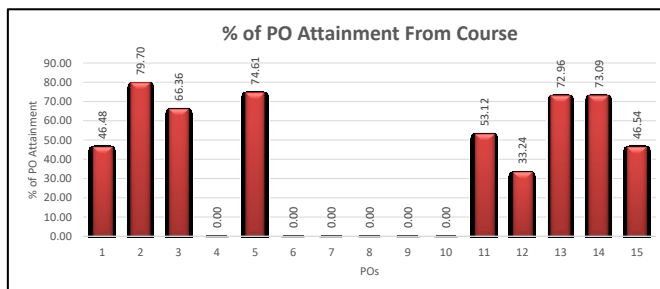
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Attainment of POs

Program: CSE	PCC - CS801 : Big Data Analytics	Class: B Tech	Semester VIII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.98	2	1	2		2						1	1	3	2	1
CO2	2.97	1	3	2		3						2		3	2	1
CO3	2.99	2	3	2		2						2		3	2	1
CO4	3.00	1	2									1		1	3	1
CO5	3.00	1	3	2		2						2	1	1	2	3

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1.99	0.99	1.99		1.99						0.99	0.99	2.98	1.99	0.99
CO2	0.99	2.97	1.98		2.97						1.98		2.97	1.98	0.99
CO3	1.99	2.99	1.99		1.99						1.99		2.99	1.99	1.00
CO4	1.00	2.00									1.00		1.00	3.00	1.00
CO5	1.00	3.00	2.00		2.00						2.00	1.00	1.00	2.00	3.00
PO Attainment	1.39	2.39	1.99	0.00	2.24	0.00	0.00	0.00	0.00	0.00	1.59	1.00	2.19	2.19	1.40
% of PO Attainment	46.48	79.70	66.36	0.00	74.61	0.00	0.00	0.00	0.00	0.00	53.12	33.24	72.96	73.09	46.54



 Mrs. S. M. Mulla Course Coordinator	 Mrs. S. M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

COURSE EXIT SURVEY

Academic Year:2021-22	Class: B TECH	Semester VIII
Program: CSE	PCC - CS801 : Advanced Database Systems	

Name of Student: _____ Roll No.: _____

After the completion of the course PCC - CS801: Big Data Analytics, do you think the following outcomes are achieved? Then rate the achievement on a point scale of (0 -3, 0: Lowest, 3: Highest)

Q1. Are you able to analyze several key technologies used in manipulating, storing, and analyzing big data?

Rate _____

Q2. How much do you understand about Hadoop features, Learning the HDFS commands, MapReduce architecture & writing Hadoop MapReduce Programs, Installing R, Installing RStudio, programming and statistical features of R language?

Rate _____

Q3. Do you acquire a clear understanding of Integration of R & Hadoop, Hadoop Streaming and its importance?

Rate _____

Q4. Can you manage and analyze Big Data?

Rate _____

Q5. After learning these contents, are you able to apply tools and techniques to analyze Big Data?

Rate _____

CO	CO1	CO2	CO3	CO4	CO5	Average Indirect Attainment
Rates Given						

Faculty Sign

Academic Year:2021-22	Class: B TECH	Semester VII
Program: CSE	PCC - CS801 : Big Data Analytics	

Roll No	PRN	CO1	CO2	CO3	CO4	CO5
1	2018087065	3	3	3	3	3
2	2018087042	3	3	3	3	3
3	2018087120	3	2	3	3	3
4	2018087036	3	3	3	3	3
5	2018087071	3	3	3	3	3
6	2019084335	2	3	3	3	3
7	2018087111	3	3	2	3	3
8	2019084415	3	3	3	3	3
9	2018087037	3	3	3	3	3
10	2018087116	3	2	3	3	3
11	2018087163	3	3	3	3	3
12	2018087038	2	3	3	3	3
13	2018087055	3	3	3	3	3
14	2018087125	3	3	3	3	3
15	2018087035	3	3	3	3	3
16	2018087110	3	3	3	3	3
17	2018089007	3	3	3	3	3
18	2018087057	3	2	2	3	3
19	2018087046	3	3	3	3	3
20	2019084416	2	3	3	3	3
21	2018087040	3	3	3	3	3
22	2019089666	3	3	3	3	3
23	2018087051	3	3	3	3	3
24	2019084419	3	2	3	3	3
25	2018087104	3	3	3	3	3
26	2018087063	3	3	3	3	3
27	2018087085	3	3	3	3	3
28	2018087087	2	3	3	3	3
29	2018087043	3	3	3	3	3
30	2019084410	3	3	3	3	3
31	2018087076	3	3	3	3	3
32	2019089668	3	3	2	3	3
33	2018087070	3	2	3	3	3
34	2019084412	3	3	3	3	3
35	2018087052	3	3	3	3	3
36	2019084409	3	3	3	3	3

37	2018087041	3	2	3	3	3
38	2019084413	3	3	3	3	3
39	2018087084	2	3	3	3	3
40	2018087144	3	3	3	3	3
41	2018087381	3	3	3	3	3
42	2018087097	3	3	3	3	3
43	2018087106	3	3	3	3	3
44	2018087039	3	2	3	3	3
45	2019084417	3	3	3	3	3
46	2018087054	3	3	3	3	3
47	2019084414	3	3	3	3	3
48	2018087370	3	3	3	3	3
49	2018087122	3	3	3	3	3
50	2019086282	3	3	3	3	3
51	2018087074	3	2	3	3	3
52	2018087108	3	3	3	3	3
53	2018087067	3	3	2	3	3
54	2018087371	2	3	3	3	3
55	2019085687	3	3	3	3	3
56	2018087049	3	3	3	3	3
57	2019084333	3	3	3	3	3
58	2018087181	3	3	3	3	3
59	2018087060	3	3	3	3	3
60	2018079226	3	3	3	3	3
61	2017050464	3	2	3	3	3
62	2017050493	3	3	3	3	3
63	2017057305	3	3	3	3	3
64	2017050868	3	3	3	3	3
65	2017101715	3	3	3	3	3
66	2017050571	3	3	3	3	3
67	2017050507	3	3	3	3	3
68	2017050547	3	3	3	3	3
69	1212397233	3	3	3	3	3
70	2017050498	3	2	3	3	3
71	2017057146	3	3	3	3	3
72	2017050851	3	3	3	3	3
		210	206	212	216	216
	Indirect CO Attainment	2.92	2.86	2.94	3.00	3.00
Average Indirect Attainment		2.94				



Faculty Sign



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

FOUNDER & CHANCELLOR

Dr. Patangrao Kadam

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PRINCIPAL

Dr. Vijay Ghorpade

M.E., Ph. D. (Computer)

CIE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: B Tech.	Semester VIII
Program: Computer Science and Engineering	PCE- CS804: Blockchain Technologies	

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5,CO6
Marks	30	30
Roll Number		
1	18	13
2	17	6
3	16	6
4	26	6
5	22	14
6	25	22
7	20	18
8	20	15
9	18	13
10	21	14
11	23	20
12	20	7
13	15	5
14	21	14
15	24	9
16	26	23
17	24	18
18	20	11
19	24	19
20	24	0
21	23	24
22	24	21
23	20	20
24	22	15
25	22	15
26	19	21
27	20	17
28	20	18
Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5,CO6

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5,CO6
Marks	30	30
Roll Number		
29	25	16
30	25	0
31	22	15
32	28	26
33	27	17
34	26	27
35	26	20
36	20	17
37	23	19
38	22	15
39	23	14
40	23	20
41	23	16
42	20	0
43	24	13
44	0	19
45	25	19
46	19	13
47	18	18
48	25	15
49	16	10
50	19	17
51	14	2
52	25	21
53	24	21
54	25	21
55	20	8
56	17	20
Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5,CO6

Marks	30	30
Roll Number		
57	22	17
58	25	17
59	21	11
60	24	23
61	0	20
62	23	12
63	25	16
64	24	19
65	25	23
66	24	20

Marks	30	30
Roll Number		
67	24	26
68	19	1
69	21	23
70	20	17
71	17	13
72	23	1
73	-	-
74	-	-
75	-	-

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5, CO6
Marks	30	30
Threshold %	40	
Threshold Marks	12	12
No. of Students Above Threshold Marks	70	56
Total No. of Students in Class	72	
CO Wise Average Percentage Attainment*	97.22	77.78
Attainment Level**	3	3

CO	Average Attainment Level**	*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
CO1	3	
CO2	3	
CO3	3	
CO4	3	
CO5	3	
CO6	3	

 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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PRINCIPAL

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M.E., Ph. D. (Computer)

ESE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: B Tech.	Semester VIII
Program: Computer Science and Engineering	PCE- CS804: Blockchain Technologies	

Exam	ESE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6	
Marks	70	25
PRN		
2018087065	59	23
2018087042	64	23
2018087120	59	20
2018087036	62	21
2018087071	64	20
2019084335	62	23
2018087111	64	19
2019084415	64	20
2018087037	62	22
2018087116	62	19
2018087163	59	24
2018087038	62	20
2018087055	56	21
2018087125	64	21
2018087035	64	21
2018087110	62	20
2018089007	59	17
2018087057	59	22
2018087046	59	20
2019084416	62	20
2018087040	70	24
2019089666	62	22
2018087051	64	19
2019084419	62	20
2018087104	62	19
2018087063	64	19
2018087085	62	20
2018087087	62	20

Exam	ESE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6	
Marks	70	25
PRN		
2018087043	56	22
2019084410	59	22
2018087076	62	21
2019089668	62	23
2018087070	62	22
2019084412	56	21
2018087052	50	20
2019084409	62	22
2018087041	56	21
2019084413	62	22
2018087084	59	22
2018087144	59	23
2018087381	62	19
2018087097	56	23
2018087106	53	20
2018087039	59	23
2019084417	62	24
2018087054	59	22
2019084414	59	23
2018087370	59	24
2018087122	62	19
2019086282	59	24
2018087074	62	23
2018087108	62	23
2018087067	59	21
2018087371	62	20
2019085687	59	22
2018087049	64	24

Exam	ESE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6	
Marks	70	25

Exam	ESE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6	
Marks	70	25

PRN			
2019084333	62		24
2018087181	62		23
2018087060	62		23
2018079226	59		24
2017050464	62		18
2017050493	62		20
2017057305	62		15
2017050868	64		19
2017101715	64		15
2017050571	59		19

PRN			
2017050507	64		23
2017050547	64		20
1212397233	62		19
2017050498	64		20
2017057146	62		20
2017050851	62		15

Exam	ESE		TW
CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	70		25
Threshold %	40		40
Threshold Marks	28		10
No. of Students Above Threshold Marks	72		72
Total No. of Students in Class	72		72
CO Wise Average Percentage Attainment*	100.00		100.00
Attainment Level**	3		3

CO	Average Attainment Level**			* Calculate CO wise Percentage Attainment Level Manually ** Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
	ESE	OE/POE	TW	
CO1	3	NA	3	
CO2	3	NA	3	
CO3	3	NA	3	
CO4	3	NA	3	
CO5	3	NA	3	
CO6	3	NA	3	

 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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FOUNDER & CHANCELLOR
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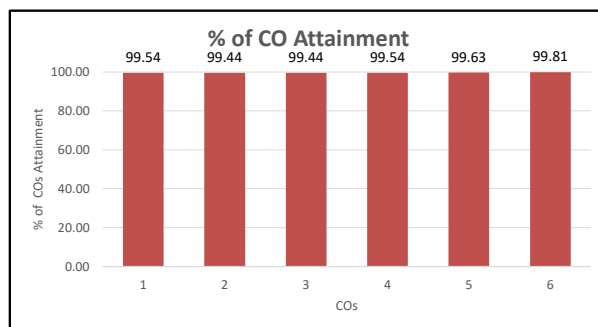
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PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Attainment of COs

Program: Computer Science and Engineering		PCE- CS804: Blockchain Technologies		Class: B Tech.		Semester VIII		Academic Year: 2021-22	
Sr. No.	CO Statement	Direct Assessment					Indirect Assessment (Course End Survey)	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average			
	Weightage	0.25	0.5	NA	0.25				
CO1	List fundamental steps involved in Digital Image Processing.	3	3	NA	3	3.00	2.93	2.99	99.54
CO2	Apply different transforms and filtering techniques on an image	3	3	NA	3	3.00	2.92	2.98	99.44
CO3	Apply morphological operations	3	3	NA	3	3.00	2.92	2.98	99.44
CO4	Perform image segmentation	3	3	NA	3	3.00	2.93	2.99	99.54
CO5	Apply compression techniques.	3	3	NA	3	3.00	2.94	2.99	99.63
CO6	Perform various operations on color image.	3	3	NA	3	3.00	2.97	2.99	99.81

Overall Attainment=0.8*Direct+0.2*Indirect



 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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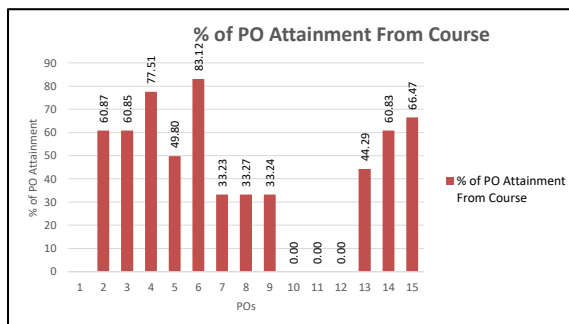
PRINCIPAL
Dr. Vijay Ghorpade
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Attainment of POs

Program: Computer Science and Engineering	PCE- CS804: Blockchain Technologies	Class: B Tech.	Semester VIII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.99	1	2		1									3		
CO2	2.98	1	1		1					1			1	2		
CO3	2.98	2	2	2	1									2		
CO4	2.99	2	2		2		1						1	2	1	
CO5	2.99	2	2	2	2	2			1					1	2	
CO6	2.99	3	2	3	2	3	1	1	1				2	1	3	

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1.00	1.99		1.00									2.99		
CO2	0.99	0.99		0.99								0.99	1.99		
CO3	1.99	1.99	1.99	0.99									1.99		
CO4	1.99	1.99		1.99		1.00						1.00	1.99	1.00	
CO5	1.99	1.99	1.99	1.99	1.99			1.00					1.00	1.99	
CO6	2.99	2.00	2.99	2.00	2.99	1.00	1.00	1.00				2.00	1.00	2.99	
PO Attainment From Course	1.83	1.83	2.33	1.49	2.49	1.00	1.00	1.00				1.33	1.82	1.99	
% of PO Attainment From Course	60.87	60.85	77.51	49.80	83.12	33.23	33.27	33.24	0.00	0.00	0.00	44.29	60.83	66.47	0.00



 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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M.E., Ph. D. (Computer)

COURSE EXIT SURVEY

Academic Year:2021-22	Class: B Tech.	Semester VIII
Program: CSE	PCE- CS804: Blockchain Technologies	

Name of Student: _____

Roll NO: _____

After the completion of the course PCC- CS702 : Cloud Computing Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

CO1 Q1. Describe the main concepts, key technologies, strengths, and limitations of cloud computing and the possible applications for state-of-the-art cloud computing

Rate _____

CO2 Q2. Explain the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud, etc

Rate _____

CO3 Q3. Collaboratively research on the state of the art (and open problems) in cloud computing.

Rate _____

CO4 Q4. Identify problems, and explain, analyze, and evaluate various cloud computing solutions.

Rate _____

CO5 Q5. Choose the appropriate technologies, algorithms, and approaches for the related issues.

Rate _____

CO6 Q6. Display new ideas and innovations in cloud computing.

Rate _____

CO	CO1	CO2	CO3	CO4	CO5	CO6
Rate Given	2.93	2.92	2.92	2.93	2.94	2.97

Faculty Sign

Academic Year:2021-22	Class: B Tech.	Semester VIII
Program: CSE	PCE- CS804: Blockchain Technologies	

Roll No	PRN	CO1	CO2	CO3	CO4	CO5	CO6
1	2018087163	2	3	3	3	3	3
2	2018087043	3	3	3	3	3	3
3	2019084413	3	3	3	3	3	3
4	2018087039	3	3	3	3	3	3
5	2018087087	3	3	3	3	3	3
6	2018087054	3	2	3	3	3	3
7	2018087074	3	3	3	3	3	3
8	2018087144	2	3	3	3	3	3
9	2018079226	3	3	3	3	3	3
10	2018087070	2	2	3	3	3	3
11	2018087042	3	3	3	2	2	3
12	2019084414	3	3	2	3	3	3
13	2018087065	3	2	3	3	3	3
14	2018087125	3	2	3	3	3	3
15	2019084409	3	3	3	3	3	3
16	2019089666	3	3	3	3	3	3
17	2018087076	3	3	3	3	3	3
18	2018087060	3	3	3	3	3	3
19	2018087036	3	3	3	3	3	3
20	2018087108	3	3	3	3	3	3
21	2018087084	3	3	3	3	3	3
22	2017050493	3	3	3	3	3	3
23	2019089668	3	3	2	3	3	3
24	2019084417	2	2	3	3	3	3
25	2018087049	3	3	3	3	3	3
26	2018087037	3	3	3	2	2	3
27	2018087040	3	3	3	3	3	3
28	2018087071	3	3	3	3	3	3
29	2018087051	3	3	3	2	2	2
30	2019084410	3	2	2	3	3	3
31	2017050498	2	3	3	3	3	3
32	2018087371	3	3	3	3	3	3
33	2019084333	3	3	3	3	3	3
34	2018087381	3	3	3	3	3	3
35	2019086282	3	3	3	2	2	3
36	2017050571	3	3	2	3	3	3
37	2018087055	3	3	3	3	3	3
38	2018087120	3	3	3	3	3	3
39	2017050868	3	3	3	3	3	3
40	2018087063	3	3	3	3	3	3
41	2018087067	3	3	2	3	3	3
42	2018087046	3	3	3	3	3	3
43	2019085687	3	3	3	3	3	3
44	2019084335	3	3	3	3	3	3
45	2019084415	3	3	3	3	3	3
46	2018087038	3	3	3	3	3	3
47	2018087035	3	3	3	3	3	3
48	2018087097	3	3	3	3	3	3
49	2018087106	3	3	3	3	3	3
50	2017050464	3	3	3	3	3	3
51	2019084419	3	3	3	3	3	3
52	2018087116	3	3	3	3	3	3
53	2018087104	3	3	3	3	3	3
54	2017050547	3	3	3	3	3	3
55	2017057146	3	3	3	3	3	3
56	2018089007	3	3	3	3	3	3
57	2019084412	3	3	2	2	3	3
58	2017057305	3	3	3	3	3	3
59	2017101715	3	3	3	3	3	3
60	2017050507	3	3	3	3	3	3
61	2018087110	3	3	3	3	3	2
62	2018087370	3	3	3	3	3	3
63	2017050851	3	3	3	3	3	3
64	2018087052	3	3	3	3	3	3
65	2018087057	3	3	3	3	3	3
66	2019084416	3	3	3	3	3	3
67	2018087122	3	3	3	3	3	3
68	2018087041	3	3	3	3	3	3
69	2018087085	3	3	3	3	3	3
70	2018087111	3	3	3	3	3	3
71	2018087181	3	3	3	3	3	3
72	1212397233	3	3	3	3	3	3
		211	210	210	211	212	214
		2.93	2.92	2.92	2.93	2.94	2.97
Average Indirect Attainment		2.94					

 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

FOUNDER & CHANCELLOR

Dr. Patangrao Kadam

M.A., LL. B., Ph. D.

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ESE Result Analysis: Attainment of COs

Academic Year:2021-22		Class: B Tech.	Semester VII
Program: Computer Science and Engineering		PCC-CS705: Web Technologies	

Exam		OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5		
Marks		50	50
PRN			
2018087163		47	48
2018087043		45	45
2019084413		47	47
2018087039		47	47
2018087087		40	45
2018087054		40	47
2018087074		43	47
2018087144		44	45
2018079226		43	47
2018087070		38	46
2018087042		43	46
2019084414		43	44
2018087065		45	45
2018087125		47	47
2019084409		43	42
2019089666		45	44
2018087076		38	47
2018087060		43	47
2018087036		46	48
2018087108		39	43
2018087084		37	45
2017050493		41	48
2019089668		41	45
2019084417		43	45
2018087049		35	44
2018087037		47	45
2018087040		41	43
2018087071		45	37

Exam		OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5		
Marks		50	50
PRN			
2018087051		43	45
2019084410		45	45
2017050498		39	40
2018087371		45	40
2019084333		43	43
2018087381		35	43
2019086282		43	46
2017050571		39	46
2018087055		43	38
2018087120		41	47
2017050868		39	42
2018087063		35	43
2018087067		40	47
2018087046		35	42
2019085687		44	37
2019084335		44	37
2019084415		43	43
2018087038		43	44
2018087035		40	47
2018087097		40	44
2018087106		43	37
2017050464		38	41
2019084419		40	42
2018087116		40	45
2018087104		35	40
2017050547		45	42
2017057146		33	40
2018089007		36	36

Exam		OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5		
Marks		50	50
PRN			
2019084412		39	36
2017057305		45	35
2017101715		35	35
2017050507		38	40
2018087110		38	36
2018087370		35	40
2017050851		41	39
2018087052		47	43
2018087057		39	38
2019084416		35	35

Exam		OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5		
Marks		50	50
PRN			
2018087122		37	38
2018087041		47	43
2018087085		39	36
2018087111		33	35
2018087181		33	35
1212397233		35	35

Exam		OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5		
Marks		50	50
Threshold %		40	40
Threshold Marks		20	20
No. of Students Above Threshold Marks		72	72
Total No. of Students in Class		72	72
CO Wise Average Percentage Attainment*		100.00	100.00
Attainment Level**		3	3

CO	Average Attainment Level**		
		OE/POE	TW
CO1		3	3
CO2		3	3
CO3		3	3
CO4		3	3
CO5		3	3

*** Calculate CO wise Percentage Attainment Level Manually**
**** Enter the level of Attainment as per Below Range**
0%- 33 % = 1
34%-66% =2
67%-100%=3

 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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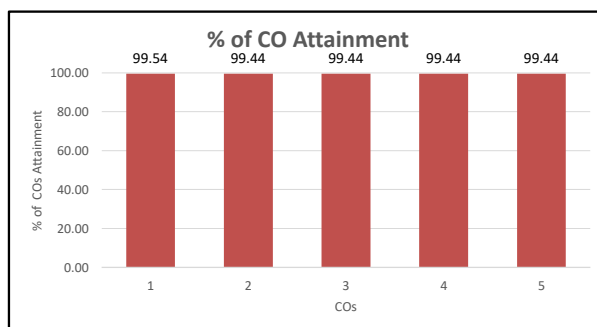
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PRINCIPAL
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Attainment of COs

Program: Computer Science and Engineering		PCC-CS705: Web Technologies			Class: B Tech.		Semester VII	Academic Year: 2021-22	
Sr. No.	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average	(Course End Survey)		
	Weightage	0	0	0.5	0.5				
CO1	Apply knowledge of client side scripting.		0	3	3	3.00	2.93	2.99	99.54
CO2	Develop web application using PHP.		0	3	3	3.00	2.92	2.98	99.44
CO3	Design web application using MVC and Angular JS.		0	3	3	3.00	2.92	2.98	99.44
CO4	Demonstrate use of server side technologies		0	3	3	3.00	2.92	2.98	99.44
CO5	Explore newer tools for web development.		0	3	3	3.00	2.92	2.98	99.44

Overall Attainment=0.8*Direct+0.2*Indirect



 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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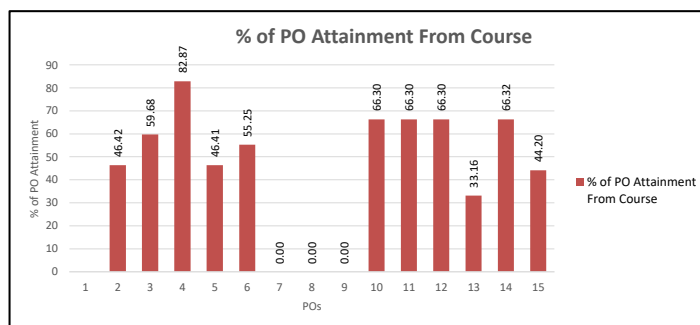
PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Attainment of POs

Program: Computer Science and Engineering	PCC-CS705: Web Technologies	Class: B Tech.	Semester VII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO2
CO1	2.99	2	2		1								1	3		
CO2	2.98	1	3	2	1	3							1	2	1	
CO3	2.98	1	1		1									1	1	
CO4	2.98	1	1		2	1									2	
CO5	2.98	2	2	3	2	1				2	2	2	1	2		

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO2
CO1	1.99	1.99		1.00								1.00	2.99		
CO2	0.99	2.98	1.99	0.99	2.98							0.99	1.99	0.99	
CO3	0.99	0.99		0.99									0.99	0.99	
CO4	0.99	0.99		1.99	0.99									1.99	
CO5	1.99	1.99	2.98	1.99	0.99				1.99	1.99	1.99	0.99	1.99		
PO Attainment From Course	1.39	1.79	2.49	1.39	1.66	0.00	0.00	0.00	1.99	1.99	1.99	0.99	1.99	1.33	0.00
% of PO Attainment From Course	46.42	59.68	82.87	46.41	55.25	0.00	0.00	0.00	66.30	66.30	66.30	33.16	66.32	44.20	0.00



 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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COURSE EXIT SURVEY

Academic Year:2021-22	Class: B Tech.	Semester VII
Program: CSE	PCC-CS705: Web Technologies	

Name of Student: _____

Roll NO: _____

After the completion of the course PCC- CS702 : Cloud Computing Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

CO1 Q1. Describe the main concepts, key technologies, strengths, and limitations of cloud computing and the possible applications for state-of-the-art cloud computing

Rate _____

CO2 Q2. Explain the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud, etc

Rate _____

CO3 Q3. Collaboratively research on the state of the art (and open problems) in cloud computing.

Rate _____

CO4 Q4. Identify problems, and explain, analyze, and evaluate various cloud computing solutions.

Rate _____

CO5 Q5. Choose the appropriate technologies, algorithms, and approaches for the related issues.

Rate _____

CO6 Q6. Display new ideas and innovations in cloud computing.

Rate _____

CO	CO1	CO2	CO3	CO4	CO5	
Rate Given						

Faculty Sign

Academic Year:2021-22	Class: Third Year	Semester V
Program: CSE	PCC-CSS04: Computer Algorithms	

Roll No	PRN	Name of Student	C01	CO2	CO3	CO4	CO5
1	2018087163		2	3	3	3	3
2	2018087043		3	3	3	3	3
3	2019084413		3	3	3	3	3
4	2018087039		3	3	3	3	3
5	2018087087		3	3	3	3	3
6	2018087054		3	2	3	3	3
7	2018087074		3	3	3	3	3
8	2018087144		2	3	3	3	3
9	2018079226		3	3	3	3	3
10	2018087070		2	2	3	3	3
11	2018087042		3	3	3	2	2
12	2019084414		3	3	2	3	3
13	2018087065		3	2	3	3	3
14	2018087125		3	2	3	3	3
15	2019084409		3	3	3	3	3
16	2019089666		3	3	3	3	3
17	2018087076		3	3	3	3	3
18	2018087060		3	3	3	3	3
19	2018087036		3	3	3	3	3
20	2018087108		3	3	3	3	3
21	2018087084		3	3	3	3	3
22	2017050493		3	3	3	3	3
23	2019089668		3	3	2	3	3
24	2019084417		2	2	3	3	3
25	2018087049		3	3	3	3	3
26	2018087037		3	3	3	2	2
27	2018087040		3	3	3	3	3
28	2018087071		3	3	3	3	3
29	2018087051		3	3	3	2	2
30	2019084410		3	2	2	3	3
31	2017050498		2	3	3	3	3
32	2018087371		3	3	3	3	3
33	2019084333		3	3	3	3	3
34	2018087381		3	3	3	3	3
35	2019086282		3	3	3	2	2
36	2017050571		3	3	2	3	3
37	2018087055		3	3	3	3	3
38	2018087120		3	3	3	3	3
39	2017050868		3	3	3	3	3
40	2018087063		3	3	3	3	3
41	2018087067		3	3	2	3	3
42	2018087046		3	3	3	3	3
43	2019085687		3	3	3	2	2
44	2019084335		3	3	3	3	3
45	2019084415		3	3	3	3	3
46	2018087038		3	3	3	3	3
47	2018087035		3	3	3	3	3
48	2018087097		3	3	3	3	3
49	2018087106		3	3	3	3	3
50	2017050464		3	3	3	3	3
51	2019084419		3	3	3	3	3
52	2018087116		3	3	3	3	3
53	2018087104		3	3	3	3	3
54	2017050547		3	3	3	3	3
55	2017057146		3	3	3	3	3
56	2018089007		3	3	3	3	3
57	2019084412		3	3	2	2	2
58	2017057305		3	3	3	3	3
59	2017101715		3	3	3	3	3
60	2017050507		3	3	3	3	3
61	2018087110		3	3	3	3	3
62	2018087370		3	3	3	3	3
63	2017050851		3	3	3	3	3
64	2018087052		3	3	3	3	3
65	2018087057		3	3	3	3	3
66	2019084416		3	3	3	3	3
67	2018087122		3	3	3	3	3
68	2018087041		3	3	3	3	3
69	2018087085		3	3	3	3	3
70	2018087111		3	3	3	3	3
71	2018087181		3	3	3	3	3
72	1212397233		3	3	3	3	3
Total			211	210	210	210	210
			2.93	2.92	2.92	2.92	2.92
Average Indirect Attainment			2.92				

 Mr. Sagar B. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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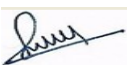
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PRINCIPAL
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CIE Result Analysis: Attainment of COs

Academic Year:2021-22			Class: B TECH		Semester VII
Program: CSE			PCC- CS703: Advanced Database Systems		
Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5	CO	CO1, CO2, CO3	CO4, CO5
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
1	26	30	29	28	30
2	22	27	30	24	27
3	25	29	31	26	30
4	28	30	32	27	30
5	28	30	33	29	30
6	26	30	34	27	30
7	23	28	35	24	28
8	22	27	36	28	30
9	26	30	37	25	29
10	25	30	38	27	30
11	24	25	39	29	30
12	26	30	40	22	25
13	25	30	41	21	27
14	25	28	42	24	30
15	26	30	43	25	30
16	22	29	44	24	26
17	24	30	45	25	28
18	26	30	46	27	30
19	23	28	47	22	28
20	27	29	48	19	27
21	27	30	49	22	28
22	11	28	50	24	26
23	24	30	51	21	28
24	25	27	52	22	26
25	28	30	53	23	28
26	26	28	54	22	26
27	23	28	55	22	28
28	19	24	56	21	29

Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5,CO6	CO	CO1, CO2, CO3	CO4, CO5,CO6
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
57	21	27	71	18	24
58	24	25	72	20	26
59	23	25	73		
60	22	30	74		
61	25	29	75		
62	24	27	76		
63	26	27	77		
64	22	28	78		
65	21	24	79		
66	22	29	80		
67	25	29	81		
68	11	17	82		
69	15	22	83		
70	22	25	84		
Exam		CIE: Mid Term Test	CIE: End Term Test		
CO		CO1, CO2, CO3	CO4, CO5		
Marks		30	30		
Threshold %		40			
Threshold Marks		12	12		
No. of Students Above Threshold Marks		70	72		
Total No. of Students in Class		72			
CO Wise Average Percentage Attainment*		97.22	100		
Attainment Level**		3	3		
CO	Average Attainment Level**	*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3			
CO1	3				
CO2	3				
CO3	3				
CO4	3				
CO5	3				
 Mrs. S. M. Mulla Course Coordinator		 Mrs. S. M. Mulla HoD		 Dr. Vijay R. Ghorpade Principal	



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PRINCIPAL
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M.E., Ph. D. (Computer)

ESE Result Analysis: Attainment of COs

Academic Year:2021-22				Class:B Tech				Semester VII			
Program: CSE				PCC- CS703: Advanced Database Systems							
Exam	ESE	OE/POE	TW	Exam	ESE	OE/POE	TW				
CO	CO1, CO2, CO3, CO4, CO5			CO	CO1, CO2, CO3, CO4, CO5						
Marks	70	50	25	Marks	70	50	25				
PRN				PRN							
2018087163	70	47	24	2018087051	70	43	21				
2018087043	70	47	22	2019084410	70	44	23				
2019084413	70	45	24	2017050498	70	45	21				
2018087039	70	46	22	2018087371	70	45	22				
2018087087	70	46	23	2019084333	67	44	20				
2018087054	70	43	22	2018087381	70	45	22				
2018087074	70	44	24	2019086282	67	42	21				
2018087144	70	46	23	2017050571	70	41	21				
2018079226	70	42	24	2018087055	64	44	23				
2018087070	70	46	23	2018087120	67	42	20				
2018087042	67	45	24	2017050868	70	40	21				
2019084414	70	47	23	2018087063	70	43	22				
2018087065	67	40	21	2018087067	67	43	21				
2018087125	70	45	23	2018087046	70	46	21				
2019084409	70	42	22	2019085687	70	43	20				
2019089666	70	42	21	2019084335	70	44	21				
2018087076	70	44	22	2019084415	67	44	22				
2018087060	70	41	24	2018087038	62	44	21				
2018087036	70	43	22	2018087035	67	44	21				
2018087108	70	45	23	2018087097	67	40	20				
2018087084	70	38	21	2018087106	70	42	19				
2017050493	70	43	21	2017050464	67	41	21				
2019089668	70	41	22	2019084419	67	41	20				
2019084417	67	40	22	2018087116	70	41	19				
2018087049	70	42	21	2018087104	70	43	20				
2018087037	67	44	22	2017050547	67	42	20				
2018087040	70	40	22	2017057146	70	44	20				
2018087071	67	46	22	2018089007	67	39	20				

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5		
Marks	70	50	25
PRN			
2019084412	67	41	21
2017057305	70	41	18
2017101715	70	45	20
2017050507	70	44	20
2018087110	70	38	19
2018087370	70	39	20
2017050851	70	41	20
2018087052	59	45	22
2018087057	70	46	17
2019084416	67	40	20
2018087122	70	41	21
2018087041	67	44	23
2018087085	67	44	20
2018087111	70	39	18

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3,CO4,CO5		
Marks	70	50	25
Threshold %	40	40	40
Threshold Marks	28	20	10
No. of Students Above Threshold Marks	72	72	72
Total No. of Students in Class	72	72	72
CO Wise Average Percentage Attainment*	100.00	100	100.00
Attainment Level**	3	NA	3

CO	Average Attainment Level**		
	ESE	OE/POE	TW
CO1	3	3	3
CO2	3	3	3
CO3	3	3	3
CO4	3	3	3
CO5	3	3	3

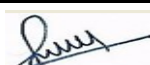
***Calculate CO wise Percentage Attainment Level Manually**

****Enter the level of Attainment as per Below Range**

0%- 33 % = 1

34%-66% =2

67%-100%=3

 Mrs. S. M. Mulla Course Coordinator	 Mrs. S. M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

FOUNDER & CHANCELLOR
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Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)

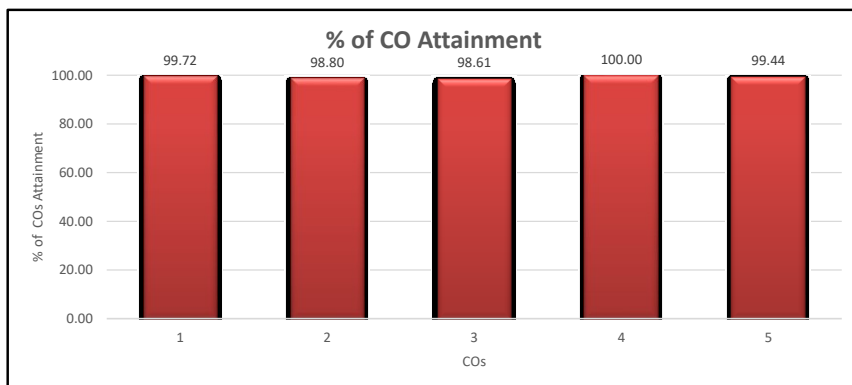
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PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Attainment of COs

Program: CSE		PCC- CS703: Advanced Database Systems			Class: B TECH		Semester VII	Academic Year: 2021-22	
SN	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average	(Course End Survey)		
	Weightage	0.25	0.25	0.25	0.25				
CO1	Understand and identify issues arising from parallel and distributed processing of data.	3	3	3	3	3.00	2.96	2.99	99.72
CO2	Select appropriate database and construct solution to real world problems of storing large data.	3	3	3	3	3.00	2.82	2.96	98.80
CO3	Compare and Contrast NoSQL databases with each other and Relational Database Systems	3	3	3	3	3.00	2.79	2.96	98.61
CO4	Make use of SQL cursors, triggers, stored procedures, and procedural SQL to write complex SQL scripts.	3	3	3	3	3.00	3.00	3.00	100.00
CO5	Learn database administration tasks and security measures.	3	3	3	3	3.00	2.92	2.98	99.44

Overall Attainment=0.8*Direct+0.2*Indirect



 Mrs. S. M. Mulla Course Coordinator	 Mrs. S. M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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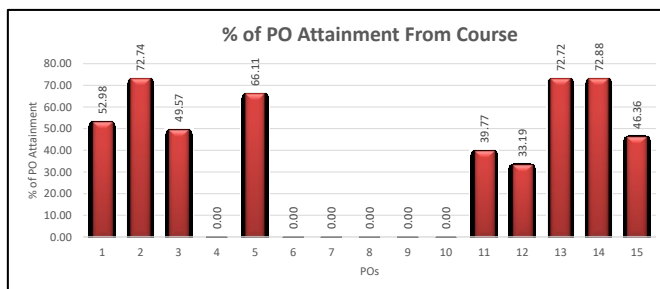
PRINCIPAL
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M.E., Ph. D. (Computer)

Attainment of POs

Program: CSE	PCC- CS703: Advanced Database Systems	Class: B Tech	Semester VII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.99	3	2	1		2						1	1	3	2	1
CO2	2.96	1	3	2		3						1		3	2	1
CO3	2.96	2	3	1		1						1		3	2	1
CO4	3.00	1	2									2		1	3	1
CO5	2.98	1	1	2		2						1	1	1	2	3

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.99	1.99	1.00		1.99						1.00	1.00	2.99	1.99	1.00
CO2	0.99	2.96	1.98		2.96						0.99		2.96	1.98	0.99
CO3	1.97	2.96	0.99		0.99						0.99		2.96	1.97	0.99
CO4	1.00	2.00									2.00		1.00	3.00	1.00
CO5	0.99	0.99	1.99		1.99						0.99	0.99	0.99	1.99	2.98
PO Attainment	1.59	2.18	1.49	0.00	1.98	0.00	0.00	0.00	0.00	0.00	1.19	1.00	2.18	2.19	1.39
% of PO Attainment	52.98	72.74	49.57	0.00	66.11	0.00	0.00	0.00	0.00	0.00	39.77	33.19	72.72	72.88	46.36



 Mrs. S. M. Mulla Course Coordinator	 Mrs. S. M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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COURSE EXIT SURVEY

Academic Year:2021-22	Class: B TECH	Semester VII
Program: CSE	PCC- CS703: Advanced Database Systems	

Name of Student: _____

Roll No.: _____

After the completion of the course PCC- CS703: Advanced Database Systems, do you think the following outcomes are achieved? Then rate the achievement on a point scale of (0 -3, 0: Lowest, 3: Highest)

Q1. Are you able to understand and identify issues arising from parallel and distributed processing of data?

Rate _____

Q2. How much do you understand about selecting appropriate database and construct solution to real world problems of storing large data?

Rate _____

Q3. Can you compare and contrast NoSQL databases with each other and Relational Database Systems?

Rate _____

Q4. Do you make use of SQL cursors, triggers, stored procedures, and procedural SQL to write complex SQL scripts?

Rate _____

Q5. Do you Learn database administration tasks and security measures ?

Rate _____

CO	CO1	CO2	CO3	CO4	CO5	Average Indirect Attainment
Rates Given						


Faculty Sign

Academic Year:2021-22		Class: B TECH				Semester VII
Program: CSE		PCC- CS703: Advanced Database Systems				
Roll	PRN	CO1	CO2	CO3	CO4	CO5
1	2018087065	3	3	3	3	3
2	2018087042	3	3	3	3	3
3	2018087120	3	2	3	3	3
4	2018087036	3	3	3	3	3
5	2018087071	3	3	2	3	3
6	2019084335	3	3	3	3	3
7	2018087111	3	3	2	3	3
8	2019084415	2	3	3	3	3
9	2018087037	3	3	3	3	3
10	2018087116	3	2	3	3	3
11	2018087163	3	3	2	3	3
12	2018087038	3	3	3	3	3
13	2018087055	3	3	3	3	3
14	2018087125	3	2	3	3	3
15	2018087035	3	3	2	3	3
16	2018087110	3	3	3	3	3
17	2018089007	3	3	3	3	3
18	2018087057	3	2	2	3	3
19	2018087046	3	3	3	3	3
20	2019084416	3	3	3	3	3
21	2018087040	3	3	2	3	3
22	2019089666	2	3	3	3	3
23	2018087051	3	3	3	3	3
24	2019084419	3	2	3	3	3
25	2018087104	3	3	3	3	3
26	2018087063	3	3	3	3	3
27	2018087085	3	3	2	3	3
28	2018087087	3	2	3	3	3
29	2018087043	3	3	3	3	3
30	2019084410	2	3	3	3	3
31	2018087076	3	3	3	3	3
32	2019089668	3	3	2	3	3
33	2018087070	3	2	3	3	3
34	2019084412	3	3	3	3	3
35	2018087052	3	3	3	3	3
36	2019084409	3	3	3	3	3
37	2018087041	3	2	3	3	2

38	2019084413	3	3	3	3	3
39	2018087084	3	3	2	3	3
40	2018087144	3	3	3	3	3
41	2018087381	3	3	3	3	2
42	2018087097	3	3	3	3	3
43	2018087106	3	3	3	3	2
44	2018087039	3	2	2	3	3
45	2019084417	3	3	3	3	3
46	2018087054	3	3	3	3	3
47	2019084414	3	3	3	3	2
48	2018087370	3	3	3	3	3
49	2018087122	3	3	3	3	3
50	2019086282	3	3	2	3	3
51	2018087074	3	2	3	3	3
52	2018087108	3	3	3	3	3
53	2018087067	3	3	2	3	3
54	2018087371	3	3	3	3	2
55	2019085687	3	2	3	3	3
56	2018087049	3	3	3	3	3
57	2019084333	3	3	3	3	3
58	2018087181	3	3	2	3	3
59	2018087060	3	3	3	3	3
60	2018079226	3	3	3	3	3
61	2017050464	3	2	3	3	3
62	2017050493	3	3	3	3	3
63	2017057305	3	3	3	3	3
64	2017050868	3	3	2	3	3
65	2017101715	3	3	3	3	2
66	2017050571	3	3	3	3	3
67	2017050507	3	3	3	3	3
68	2017050547	3	3	3	3	3
69	1212397233	3	3	2	3	3
70	2017050498	3	2	3	3	3
71	2017057146	3	3	3	3	3
72	2017050851	3	3	3	3	3
		213	203	201	216	210
	Indirect CO Attainment	2.96	2.82	2.79	3.00	2.92
Average Indirect Attainment		2.90				



Faculty Sign



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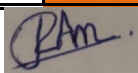
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CIE Result Analysis: Attainment of COs

Academic Year:2021-22			Class: B TECH		Semester VII
Program: CSE			PCE- CS704 :Artificial Intelligence(Elective-I)		
Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5,CO6	CO	CO1, CO2, CO3	CO4, CO5,CO6
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
1	20	30	29	15	30
2	17	30	30	16	30
3	17	30	31	17	30
4	19	30	32	27	30
5	20	30	33	24	29
6	19	30	34	21	27
7	23	30	35	20	29
8	15	30	36	21	30
9	22	30	37	20	30
10	16	27	38	23	30
11	17	29	39	19	30
12	12	30	40	20	30
13	15	29	41	20	30
14	16	30	42	17	27
15	15	30	43	23	29
16	26	30	44	24	30
17	20	AB	45	23	30
18	23	AB	46	16	30
19	21	29	47	15	30
20	24	27	48	18	29
21	23	29	49	15	30
22	27	30	50	15	29
23	24	29	51	12	30
24	19	30	52	23	28
25	21	30	53	24	29
26	18	30	54	22	29
27	18	30	55	22	AB
28	17	30	56	16	28

Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5,CO6	CO	CO1, CO2, CO3	CO4, CO5,CO6
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
57	20	AB	71	17	30
58	18	30	72	18	28
59	15	30	73		
60	21	30	74		
61	17	30	75		
62	12	30	76		
63	17	30	77		
64	22	30	78		
65	21	30	79		
66	22	30	80		
67	24	30	81		
68	AB	30	82		
69	20	30	83		
70	19	28	84		
Exam		CIE: Mid Term Test	Exam		CIE: End Term Test
CO		CO1, CO2, CO3	CO		CO4, CO5,CO6
Marks		30	Marks		30
Threshold %		40			
Threshold Marks		12	12		
No. of Students Above Threshold Marks		72	72		
Total No. of Students in Class		72			
CO Wise Average Percentage Attainment*		100.00	100		
Attainment Level**		3	3		
CO	Average Attainment Level**	*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3			
CO1	3				
CO2	3				
CO3	3				
CO4	3				
CO5	3				
CO6	3				
 Mrs. R. M. Mane Course Coordinator		 Mrs. S.M. Mulla HoD		 Dr. V. R. Ghorpade Principal	



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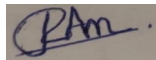
PRINCIPAL

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M.E., Ph. D. (Computer)

ESE Result Analysis: Attainment of COs

Academic Year:2021-22				Class:B Tech				Semester VII
Program: CSE				PCE- CS704 :Artificial Intelligence(Elective-I)				
Exam	ESE	OE/POE	TW	Exam	ESE	OE/POE	TW	
CO	CO1, CO2, CO3, CO4, CO5,CO6			CO	CO1, CO2, CO3, CO4, CO5,CO6			
Marks	70	NA	25	Marks	70	NA	25	
PRN				PRN				
2018087163	62	NA	20	2018087051	62	NA	20	
2018087043	67	NA	23	2019084410	62	NA	20	
2019084413	67	NA	23	2017050498	64	NA	20	
2018087039	64	NA	21	2018087371	64	NA	20	
2018087087	67	NA	24	2019084333	64	NA	21	
2018087054	67	NA	24	2018087381	59	NA	20	
2018087074	64	NA	21	2019086282	64	NA	20	
2018087144	62	NA	21	2017050571	62	NA	21	
2018079226	62	NA	21	2018087055	62	NA	20	
2018087070	67	NA	24	2018087120	62	NA	20	
2018087042	64	NA	20	2017050868	56	NA	21	
2019084414	64	NA	22	2018087063	56	NA	21	
2018087065	64	NA	21	2018087067	59	NA	20	
2018087125	59	NA	20	2018087046	62	NA	22	
2019084409	64	NA	21	2019085687	59	NA	20	
2019089666	64	NA	20	2019084335	64	NA	22	
2018087076	64	NA	24	2019084415	64	NA	20	
2018087060	62	NA	20	2018087038	62	NA	20	
2018087036	62	NA	20	2018087035	56	NA	21	
2018087108	62	NA	21	2018087097	64	NA	21	
2018087084	67	NA	24	2018087106	64	NA	21	
2017050493	62	NA	21	2017050464	59	NA	21	
2019089668	62	NA	21	2019084419	64	NA	20	
2019084417	62	NA	21	2018087116	62	NA	21	
2018087049	67	NA	20	2018087104	69	NA	20	
2018087037	62	NA	20	2017050547	62	NA	20	
2018087040	64	NA	22	2017057146	59	NA	20	
2018087071	64	NA	21	2018089007	59	NA	20	

Exam	ESE	OE/POE	TW	
CO	CO1, CO2, CO3, CO4, CO5,CO6			
Marks	70	50	25	
PRN				
2019084412	64	NA	20	
2017057305	62	NA	21	
2017101715	59	NA	20	
2017050507	59	NA	20	
2018087110	62	NA	20	
2018087370	59	NA	21	
2017050851	62	NA	20	
2018087052	53	NA	20	
2018087057	62	NA	23	
2019084416	64	NA	20	
2018087122	62	NA	20	
2018087041	50	NA	22	
2018087085	62	NA	22	
2018087111	59	NA	20	
Exam		ESE	OE/POE	TW
CO		CO1, CO2, CO3,CO4,CO5,CO6		
Marks		70	NA	25
Threshold %		40	NA	40
Threshold Marks		28	NA	10
No. of Students Above Threshold Marks		72	NA	72
Total No. of Students in Class		72	NA	72
CO Wise Average Percentage Attainment*		100.00	NA	100.00
Attainment Level**		3	NA	3
CO	Average Attainment Level**			* Calculate CO wise Percentage Attainment Level Manually ** Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
	ESE	OE/POE	TW	
CO1	3	NA	3	
CO2	3	NA	3	
CO3	3	NA	3	
CO4	3	NA	3	
CO5	3	NA	3	
CO6	3	NA	3	
 Mrs. R. M. Mane Course Coordinator		 Mrs. S.M. Mulla HoD		



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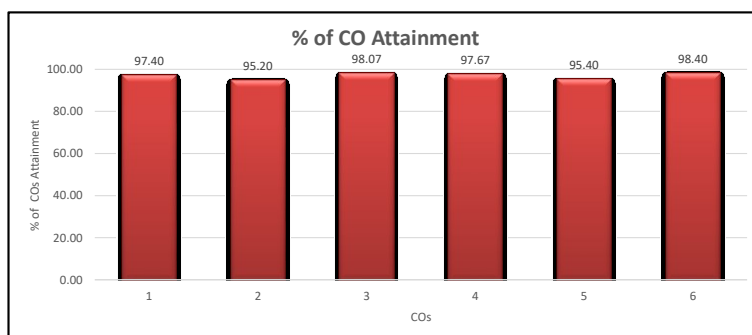
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PRINCIPAL
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Attainment of COs

Program: CSE		PCE– CS704 :Artificial Intelligence(Elective-I)			Class: B TECH		Semester VII	Academic Year: 2021-22	
SN	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average			
	Weightage	0.25	0.5	NA	0.25				
CO1	Evaluate Artificial Intelligence (AI) methods and describe their foundations.	3	3	NA	3	3.00	2.61	2.92	97.40
CO2	Apply basic principles of AI in solutions that require problem solving, inference,	3	3	NA	3	3.00	2.28	2.86	95.20
CO3	Demonstrate knowledge of reasoning and knowledge representation for solving real	3	3	NA	3	3.00	2.71	2.94	98.07
CO4	Analyze and illustrate how search algorithms play vital role in problem solving.	3	3	NA	3	3.00	2.65	2.93	97.67
CO5	Illustrate the construction of learning and expert system.	3	3	NA	3	3.00	2.31	2.86	95.40
CO6	Discuss current scope and limitations of AI and societal implications.	3	3	NA	3	3.00	2.76	2.95	98.40

Overall Attainment=0.8*Direct+0.2*Indirect



 Mrs. R. M. Mane Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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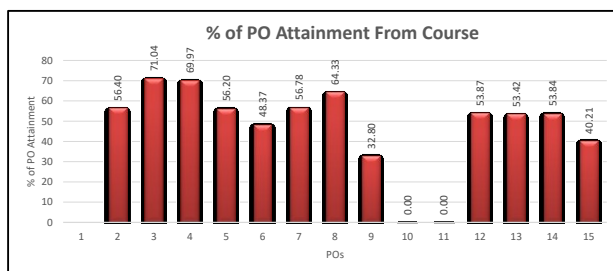
PRINCIPAL
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M.E., Ph. D. (Computer)

Attainment of POs

Program: CSE	PCE- CS704 : Artificial Intelligence(Elective-I)	Class: B Tech	Semester VII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C01	2.92	1	1	1		2		2					2	1		
C02	2.86	3	3	3	3		2	3				1	1	2	1	3
C03	2.94	2	3	3	1		1	2				3		2	1	
C04	2.93	1	3	3	2		1							1		1
C05	2.86		1	2	1	1		1				1	2	2	2	1
C06	2.95			1			3		1					2	1	1

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C01	0.97	0.97	0.97		1.95		1.95					1.95	0.97		
C02	2.86	2.86	2.86	2.86		1.90	2.86				0.95	0.95	1.90	0.95	2.86
C03	1.96	2.94	2.94	0.98		0.98	1.96				2.94		1.96	0.98	
C04	0.98	2.93	2.93	1.95		0.98							0.98		0.98
C05		0.95	1.91	0.95	0.95		0.95				0.95	1.91	1.91	1.91	0.95
C06			0.98			2.95		0.98					1.97	0.98	0.98
PO Attainment From Course	1.69	2.13	2.10	1.69	1.45	1.70	1.93	0.98	0.00	0.00	1.62	1.60	1.62	1.21	1.44
% of PO Attainment From Course	56.40	71.04	69.97	56.20	48.37	56.78	64.33	32.80	0.00	0.00	53.87	53.42	53.84	40.21	48.09



 Mrs. R.M. Mane Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
--	--	--



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Dr. Patangrao Kadam
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PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

COURSE EXIT SURVEY

Academic Year:2021-22	Class: BT	Semester VII
Program: CSE	PCE- CS704 :Artificial Intelligence(Elective-I)	

Name of Student: _____

Roll NO: _____

After the completion of the course PCE- CS704 :Artificial Intelligence(Elective-I)Do you think following outcomes are achived.Then rate the achievment on point scale of (0 -3, 0: Lowest 3:Highest)

CO1 Q1. Evaluate Artificial Intelligence (AI) methods and describe their foundations.

Rate_____

CO2 Q2. Apply basic principles of AI in solutions that require problem solving, inference,

Rate_____

CO3 Q3. Demonstrate knowledge of reasoning and knowledge representation for solving real world problems.

Rate_____

CO4 Q4. Analyze and illustrate how search algorithms play vital role in problem solving.

Rate_____

CO5 Q5. Illustrate the construction of learning and expert system.

Rate_____

CO6 Q6. Discuss current scope and limitations of AI and societal implications.

Rate_____

CO	CO1	CO2	CO3	CO4	CO5	CO6
Rate Given						

Faculty Sign

Academic Year:2021-22	Class: BT	Semester VII
Program: CSE	PCE- CS704 :Artificial Intelligence(Elective-I)	

Roll No	PRN	CO1	CO2	CO3	CO4	CO5	CO6
1	2018087065	3	2	3	3	2	3
2	2018087042	2	3	2	2	3	2
3	2018087120	3	2	3	3	2	3
4	2018087036	2	3	3	2	3	3
5	2018087071	3	2	3	3	2	3
6	2019084335	2	2	2	2	2	2
7	2018087111	3	2	3	3	2	3
8	2019084415	2	3	2	2	3	2
9	2018087037	3	2	3	3	2	3
10	2018087116	2	3	3	2	3	3
11	2018087163	3	2	3	3	2	3
12	2018087038	2	3	2	2	3	2
13	2018087055	3	2	3	3	2	3
14	2018087125	2	2	2	2	2	2
15	2018087035	3	2	3	3	2	3
16	2018087110	2	3	3	2	3	3
17	2018089007	3	2	3	3	2	3
18	2018087057	2	3	2	2	3	2
19	2018087046	3	2	3	3	2	3
20	2019084416	2	3	2	2	3	2
21	2018087040	3	2	3	3	2	3
22	2019089666	2	3	3	2	3	3
23	2018087051	3	2	3	3	2	3
24	2019084419	2	3	2	2	3	2
25	2018087104	3	2	3	3	2	3
26	2018087063	2	3	2	2	3	2
27	2018087085	3	2	3	3	2	3
28	2018087087	2	2	3	2	2	3
29	2018087043	3	2	3	3	2	3
30	2019084410	2	2	2	2	2	2
31	2018087076	3	2	3	3	2	3
32	2019089668	2	2	2	2	2	2
33	2018087070	3	2	3	3	2	3
34	2019084412	2	2	3	2	2	3
35	2018087052	3	2	3	3	2	3
36	2019084409	2	3	2	2	3	2
37	2018087041	3	2	3	3	2	3
38	2019084413	2	3	2	2	3	2
39	2018087084	3	2	3	3	2	3
40	2018087144	2	2	3	2	2	3
41	2018087381	3	2	3	3	2	3

42	2018087097	2	3	2	2	3	2
43	2018087106	3	2	3	3	2	3
44	2018087039	2	3	2	2	3	2
45	2019084417	3	2	3	3	2	3
46	2018087054	2	3	3	2	3	3
47	2019084414	3	2	3	3	2	3
48	2018087370	2	2	2	2	2	2
49	2018087122	3	2	3	3	2	3
50	2019086282	2	2	2	3	2	3
51	2018087074	3	2	3	3	2	3
52	2018087108	2	2	3	3	2	3
53	2018087067	3	2	3	3	2	3
54	2018087371	3	3	2	3	3	3
55	2019085687	3	2	3	3	2	3
56	2018087049	3	3	2	3	3	3
57	2019084333	3	2	3	3	2	3
58	2018087181	3	3	3	3	3	3
59	2018087060	3	2	3	3	2	3
60	2018079226	2	3	2	3	3	3
61	2017050464	3	2	3	3	2	3
62	2017050493	3	2	3	3	2	3
63	2017057305	3	2	3	3	2	3
64	2017050868	3	2	3	3	2	3
65	2017101715	3	2	3	3	2	3
66	2017050571	3	2	3	3	3	3
67	2017050507	3	2	3	3	2	3
68	2017050547	3	2	3	3	2	3
69	1212397233	3	2	3	3	3	3
70	2017050498	2	2	3	2	2	3
71	2017057146	3	2	3	3	2	3
72	2017050851	3	2	2	3	2	2
		188	164	195	191	166	199
		2.61	2.28	2.71	2.65	2.31	2.76
Average Indirect Attainment		4.19					



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PRINCIPAL
Dr. Vijay Ghorpac
M.E., Ph. D. (Computer)

CIE Result Analysis: Attainment of COs

Academic Year:2021-22			Class: B Tech		Semester VII
Program: CSE			(PCE- CS803): Ad-Hoc Wireless Sensor Networks		
Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2, CO3	CO4, CO5	CO	CO1, CO2, CO3	CO4, CO5
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
1	21	16	29	18	18
2	19	12	30	19	23
3	17	12	31	23	14
4	21	13	32	29	21
5	19	15	33	24	21
6	25	16	34	20	23
7	19	22	35	19	20
8	13	22	36	25	23
9	21	14	37	27	23
10	16	12	38	21	24
11	24	17	39	21	12
12	14	16	40	24	23
13	12	7	41	14	19
14	20	20	42	15	AB
15	13	14	43	24	23
16	26	21	44	Absent	24
17	23	19	45	23	19
18	18	17	46	14	20
19	23	20	47	16	20
20	21	16	48	19	16
21	25	18	49	16	9
22	28	20	50	20	9
23	25	15	51	5	15
24	25	19	52	24	24
25	24	18	53	24	24
26	19	23	54	22	27
27	21	24	55	24	15
28	24	23	56	24	16



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ESE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: B Tech	Semester VII
Program: CSE	(PCE- CS803): Ad-Hoc Wireless Sensor Networks	

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6		
Marks	70	NA	25
RN			
2018087065	42	NA	20
2018087042	42	NA	21
2018087120	48	NA	20
2018087036	50	NA	20
2018087071	53	NA	20
2019084335	53	NA	21
2018087111	50	NA	20
2019084415	45	NA	21
2018087037	48	NA	21
2018087116	50	NA	19
2018087163	48	NA	23
2018087038	50	NA	20
2018087055	48	NA	20
2018087125	53	NA	20
2018087035	53	NA	21
2018087110	45	NA	20
2018089007	48	NA	20
2018087057	48	NA	21
2018087046	48	NA	21
2019084416	48	NA	20
2018087040	48	NA	20
2019089666	53	NA	20
2018087051	50	NA	20
2019084419	45	NA	20
2018087104	45	NA	20
2018087063	50	NA	21
2018087085	59	NA	22
2018087087	53	NA	24

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6		
Marks	70	NA	25
RN			
2018087043	53	NA	23
2019084410	50	NA	20
2018087076	50	NA	24
2019089668	53	NA	21
2018087070	53	NA	24
2019084412	48	NA	21
2018087052	48	NA	22
2019084409	48	NA	21
2018087041	39	NA	20
2019084413	53	NA	23
2018087084	53	NA	24
2018087144	39	NA	21
2018087381	50	NA	20
2018087097	53	NA	22
2018087106	53	NA	22
2018087039	53	NA	21
2019084417	56	NA	21
2018087054	59	NA	24
2019084414	53	NA	22
2018087370	53	NA	21
2018087122	56	NA	20
2019086282	50	NA	20
2018087074	56	NA	21
2018087108	56	NA	21
2018087067	56	NA	20
2018087371	53	NA	20
2019085687	56	NA	20
2018087049	50	NA	20



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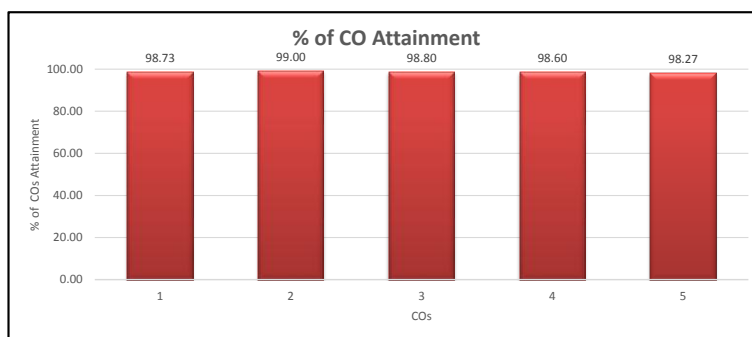
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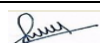
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Attainment of COs

Program: CSE		(PCE- CS803): Ad-Hoc Wireless Sensor Networks				Class:B Tech	Semester VII	Academic Year: 2021-22	
SN	CO Statement	Direct Assessment				Attainment Level Weighted Average	Indirect Assessment (Course End Survey)	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW				
	Weightage	0.25	0.5	NA	0.25				
C01	Describe issues and design goals in Ad Hoc wireless networks	3	3	NA	3	3.00	2.81	2.96	98.73
C02	Explain and classify various routing protocols in Ad Hoc wireless networks	3	3	NA	3	3.00	2.85	2.97	99.00
C03	Describe design issues and classify transport layer protocols and security protocols in Ad Hoc wireless Networks	3	3	NA	3	3.00	2.82	2.96	98.80
C04	Describe challenges and routing protocols in sensor networks	3	3	NA	3	3.00	2.79	2.96	98.60
C05	Explain sensor networks infrastructure management and sensor tasking and control techniques	3	3	#REF!	3	3.00	2.74	2.95	98.27



 Mrs. R.V. Jadhav Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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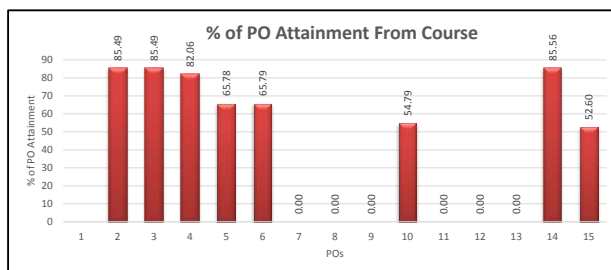
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Attainment of POs

Program: CSE	(PCE- CS803): Ad-Hoc Wireless Sensor Networks	Class: B Tech	Semester VII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C01	2.96	3	3		1	2								3	2	
C02	2.97	2	2		2	2								3	1	
C03	2.96	2	2		2	2				2				3	1	
C04	2.96	3	3	3	3	2				2				2	2	
C05	2.95	3	3	2	2	2				1				2	2	

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C01	2.96	2.96		0.99	1.97								2.96	1.97	
C02	1.98	1.98		1.98	1.98								2.97	0.99	
C03	1.98	1.98		1.98	1.98				1.98				2.96	0.99	
C04	2.96	2.96	2.96	2.96	1.97				1.97				1.97	1.97	
C05	2.95	2.95	1.97	1.97	1.97				0.98				1.97	1.97	
PO Attainment From Course	2.56	2.56	2.46	1.97	1.97	0.00	0.00	0.00	1.64			0.00	2.57	1.58	0.00
% of PO Attainment From Course	85.49	85.49	82.06	65.78	65.79	0.00	0.00	0.00	54.79	0.00	0.00	0.00	85.56	52.60	0.00



 Mrs. R.V. Jadhav Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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COURSE EXIT SURVEY

Academic Year:2021-22	Class: B Tech	Semester VII
Program: CSE	(PCE- CS803): Ad-Hoc Wireless Sensor Networks	

Name of Student: _____

Roll NO: _____

After the completion of the course (PCE- CS803): Ad-Hoc Wireless Sensor Networks Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

Q1. Describe issues and design goals in Ad Hoc wireless networks

Rate_____

Q2. Explain and classify various routing protocols in Ad Hoc wireless networks

Rate_____

Q3. Describe design issues and classify transport layer protocols and security protocols in Ad Hoc wireless Networks

Rate_____

Q4. Describe challenges and routing protocols in sensor networks

Rate_____

Q5. Explain sensor networks infrastructure management and sensor tasking and control techniques

Rate_____

CO	CO1	CO2	CO3	CO4	CO5
Rate Given					


Faculty Sign

Academic Year:2021-22	Class: B Tech	Semester VII
Program: CSE	(PCE- CS803): Ad-Hoc Wireless Sensor Networks	

Roll No	PRN	C01	C02	C03	C04	C05
1	2018087065	3	2	3	2	3
2	2018087042	3	3	3	3	3
3	2018087120	3	3	3	3	3
4	2018087036	3	2	3	3	3
5	2018087071	3	3	3	3	3
6	2019084335	3	3	3	2	3
7	2018087111	2	3	3	3	3
8	2019084415	3	3	3	3	3
9	2018087037	3	2	2	3	2
10	2018087116	2	3	3	3	3
11	2018087163	3	3	3	3	2
12	2018087038	3	2	3	3	2
13	2018087055	2	2	3	2	3
14	2018087125	3	3	3	3	2
15	2018087035	3	3	3	3	2
16	2018087110	3	3	3	2	3
17	2018089007	3	3	2	3	2
18	2018087057	3	3	3	3	3
19	2018087046	3	3	3	2	3
20	2019084416	2	3	3	2	2
21	2018087040	3	3	3	3	3
22	2019089666	3	3	2	3	2
23	2018087051	3	3	3	2	3
24	2019084419	3	3	3	3	3
25	2018087104	3	3	3	3	3
26	2018087063	3	3	3	3	3
27	2018087085	3	3	3	3	3
28	2018087087	3	3	3	3	3
29	2018087043	3	3	3	3	3
30	2019084410	2	3	3	3	3
31	2018087076	3	3	3	2	3
32	2019089668	3	3	3	2	3
33	2018087070	3	3	3	3	3
34	2019084412	3	3	3	3	2
35	2018087052	3	3	3	3	3
36	2019084409	3	3	1	3	3
37	2018087041	2	3	3	3	1
38	2019084413	3	3	3	3	3
39	2018087084	2	3	3	3	3
40	2018087144	3	3	2	3	2
41	2018087381	2	3	3	3	2
42	2018087097	3	3	3	3	3
43	2018087106	3	3	3	3	3
44	2018087039	3	1	3	2	2
45	2019084417	2	3	1	3	3
46	2018087054	3	3	3	3	2
47	2019084414	3	2	3	1	3
48	2018087370	2	3	1	3	3
49	2018087122	3	3	3	3	3
50	2019086282	3	3	3	3	3

51	2018087074	3	3	3	3	3
52	2018087108	3	3	3	3	3
53	2018087067	3	3	3	3	3
54	2018087371	3	3	3	3	3
55	2019085687	3	3	3	3	3
56	2018087049	2	3	3	3	3
57	2019084333	3	3	3	3	3
58	2018087181	2	2	3	2	3
59	2018087060	3	3	3	3	2
60	2018079226	3	2	2	2	3
61	2017050464	3	3	3	3	3
62	2017050493	3	3	3	3	2
63	2017057305	2	2	3	3	3
64	2017050868	3	3	2	3	3
65	2017101715	3	3	3	3	2
66	2017050571	3	3	3	2	3
67	2017050507	3	3	3	3	3
68	2017050547	3	3	2	3	3
69	1212397233	2	3	3	3	2
70	2017050498	3	3	3	3	3
71	2017057146	3	3	3	3	3
72	2017050851	3	3	3	3	3
Indirect CO Attainment		2.81	2.85	2.82	2.79	2.74
Average Indirect Attainment		2.80				



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CIE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: BT	Semester VIII
Program: CSE	PCC- CS802 Deep Learning	

Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2	CO3	CO	CO1, CO2	CO3
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
1	20	15	29	29	21
2	17	19	30	29	24
3	19	15	31	22	21
4	24	13	32	27	26
5	19	15	33	24	26
6	23	20	34	27	24
7	25	22	35	20	22
8	23	18	36	26	17
9	22	17	37	24	18
10	25	19	38	27	21
11	25	19	39	26	14
12	24	21	40	28	21
13	22	12	41	24	21
14	23	22	42	25	13
15	21	22	43	26	19
16	28	23	44	28	21
17	24	16	45	28	AB
18	23	10	46	25	21
19	AB	23	47	28	19
20	27	20	48	28	21
21	29	19	49	21	15

22	30	24	50	23	17
23	30	23	51	20	17
24	28	20	52	25	21
25	28	18	53	27	23
26	25	27	54	28	21
27	23	25	55	25	12
28	24	22	56	25	21
Exam	CIE: Mid Term Test	CIE: End Term Test	Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2	CO3	CO	CO1, CO2	CO3
Marks	30	30	Marks	30	30
Roll Number			Roll Number		
57	29	21	65	29	26
58	27	21	66	25	23
59	20	18	67	25	22
60	29	22	68	28	20
61	AB	23	69	27	22
62	23	23	70	25	25
63	24	23	71	21	16
64	24	18	72	28	20

Exam	CIE: Mid Term Test	CIE: End Term Test
CO	CO1, CO2	CO3
Marks	30	30
Threshold %	70	
Threshold Marks	21	21
No. of Students Above Threshold Marks	62	39
Total No. of Students in Class	72	
CO Wise Average Percentage Attainment*	86.11	54.17
Attainment Level**	3	2

CO	Average Attainment Level**	*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
CO1	3	
CO2	3	
CO3	2	

 Mrs. Pooja R. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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PRINCIPAL
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ESE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: BT	Semester VIII
Program: CSE	PCC- CS802 Deep Learning	

Exam	ESE	OE/POE	TW	Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3			CO	CO1, CO2, CO3		
Marks	70	NA	25	Marks	70	NA	25
PRN				PRN			
2018087065	59	NA	23	2018087043	67	NA	23
2018087042	56	NA	24	2019084410	67	NA	19
2018087120	64	NA	20	2018087076	67	NA	21
2018087036	64	NA	21	2019089668	64	NA	23
2018087071	67	NA	22	2018087070	64	NA	21
2019084335	59	NA	21	2019084412	64	NA	21
2018087111	64	NA	21	2018087052	67	NA	21
2019084415	64	NA	22	2019084409	62	NA	22
2018087037	62	NA	22	2018087041	59	NA	23
2018087116	62	NA	20	2019084413	67	NA	24
2018087163	64	NA	24	2018087084	67	NA	23
2018087038	56	NA	20	2018087144	70	NA	24
2018087055	62	NA	20	2018087381	67	NA	24
2018087125	64	NA	24	2018087097	64	NA	21
2018087035	62	NA	23	2018087106	64	NA	22
2018087110	64	NA	21	2018087039	67	NA	23
2018089007	64	NA	20	2019084417	64	NA	23
2018087057	59	NA	21	2018087054	67	NA	23
2018087046	64	NA	21	2019084414	62	NA	24
2019084416	64	NA	20	2018087370	64	NA	20
2018087040	64	NA	24	2018087122	64	NA	22
2019089666	64	NA	23	2019086282	64	NA	23
2018087051	64	NA	23	2018087074	62	NA	24
2019084419	64	NA	22	2018087108	64	NA	23
2018087104	64	NA	21	2018087067	64	NA	21
2018087063	67	NA	23	2018087371	64	NA	23
2018087085	56	NA	22	2019085687	67	NA	21
2018087087	64	NA	23	2018087049	67	NA	23

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3		
Marks	70	50	25
PRN			
2019084333	67	NA	22
2018087181	67	NA	22
2018087060	70	NA	22
2018079226	67	NA	21
2017050464	62	NA	20
2017050493	67	NA	23
2017057305	67	NA	21
2017050868	62	NA	21

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3		
Marks	70	50	25
PRN			
2017101715	64	NA	20
2017050571	67	NA	21
2017050507	64	NA	21
2017050547	67	NA	23
1212397233	67	NA	21
2017050498	64	NA	23
2017057146	67	NA	21
2017050851	67	NA	19

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3		
Marks	70	NA	25
Threshold %	86	NA	84
Threshold Marks	60	NA	21
No. of Students Above Threshold Marks	65	NA	61
Total No. of Students in Class	72	NA	72
CO Wise Average Percentage Attainment*	90.28	NA	84.72
Attainment Level**	3	NA	3

CO	Average Attainment Level**			*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
	ESE	OE/POE	TW	
CO1	3	NA	3	
CO2	3	NA	3	
CO3	3	NA	3	

 Mrs. Pooja R. Patil Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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COURSE EXIT SURVEY

Academic Year:2021-22	Class: BT	Semester VIII
Program: CSE	PCC- CS802 Deep Learning	

Name of Student: _____

Roll NO: _____

After the completion of the course PCC-CS304: Computer Networks-I Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

CO1 Q1. Describe basic concepts of artificial intelligence and deep learning

Rate_____

CO2 Q2. Develop different deep learning models for given tasks

Rate_____

CO3 Q3. Devise the correct parameters and hyper-parameters of developed model for getting improved results.

Rate_____

CO	CO1	CO2	CO3
Rate Given			



Faculty Sign

Academic Year:2021-22	Class: BT	Semester VIII
Program: CSE	PCC- CS802 Deep Learning	

Roll No	PRN	CO1	CO2	CO3
1	2018087065	3	2	3
2	2018087042	2	3	2
3	2018087120	3	2	3
4	2018087036	2	3	3
5	2018087071	3	2	3
6	2019084335	2	2	2
7	2018087111	3	2	3
8	2019084415	2	3	2
9	2018087037	3	2	3
10	2018087116	2	3	3
11	2018087163	3	2	3
12	2018087038	2	3	2
13	2018087055	3	2	3
14	2018087125	2	2	2
15	2018087035	3	2	3
16	2018087110	2	3	3
17	2018089007	3	2	3
18	2018087057	2	3	2
19	2018087046	3	2	3
20	2019084416	2	3	2
21	2018087040	3	2	3
22	2019089666	2	3	3
23	2018087051	3	2	3
24	2019084419	2	3	2
25	2018087104	3	2	3
26	2018087063	2	3	2
27	2018087085	3	2	3
28	2018087087	2	2	3
29	2018087043	3	2	3
30	2019084410	2	2	2
31	2018087076	3	2	3
32	2019089668	2	2	2
33	2018087070	3	2	3
34	2019084412	2	2	3
35	2018087052	3	2	3
36	2019084409	2	3	2
37	2018087041	3	2	3
38	2019084413	2	3	2
39	2018087084	3	2	3
40	2018087144	2	2	3
41	2018087381	3	2	3
42	2018087097	2	3	2
43	2018087106	3	2	3
44	2018087039	2	3	2
45	2019084417	3	2	3
46	2018087054	2	3	3
47	2019084414	3	2	3
48	2018087370	2	2	2

49	2018087122	3	2	3
50	2019086282	2	2	2
51	2018087074	3	2	3
52	2018087108	2	2	3
53	2018087067	3	2	3
54	2018087371	3	3	2
55	2019085687	3	2	3
56	2018087049	3	3	2
57	2019084333	3	2	3
58	2018087181	3	3	3
59	2018087060	3	2	3
60	2018079226	2	3	2
61	2017050464	3	2	3
62	2017050493	3	2	3
63	2017057305	3	2	3
64	2017050868	3	2	3
65	2017101715	3	2	3
66	2017050571	3	2	3
67	2017050507	3	2	3
68	2017050547	3	2	3
69	1212397233	3	2	3
70	2017050498	2	2	3
71	2017057146	3	2	3
72	2017050851	3	2	2
		188	164	195
		2.61	2.28	2.71
Average Indirect Attainment		2.53		


Faculty Sign



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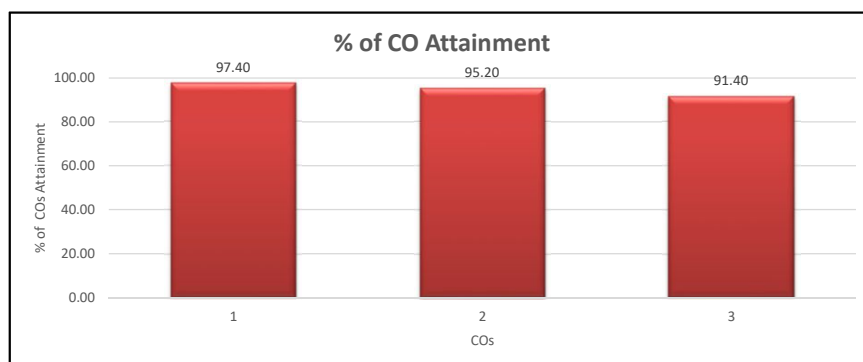
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Attainment of COs

Program: CSE		PCC- CS802 Deep Learning		Class: BT		Semester VIII	Academic Year: 2021-22		
SN	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average	(Course End Survey)		
	Weightage	0.25	0.5	NA	0.25				
CO1	Describe basic concepts of artificial intelligence and deep learning	3	3	NA	3	3.00	2.61	2.92	97.40
CO2	Develop different deep learning models for given tasks	3	3	NA	3	3.00	2.28	2.86	95.20
CO3	Devise the correct parameters and hyper-parameters of developed model for getting improved results.	2	3	NA	3	2.75	2.71	2.74	91.40

Overall Attainment=0.8*Direct+0.2*Indirect



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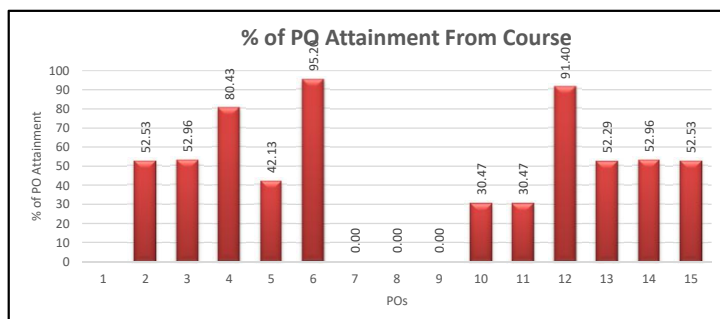
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Attainment of POs

Program: CSE	PCC- CS802 Deep Learning	Class: BT	Semester VIII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.92	2	2	3	1								1	2	2	
CO2	2.86	1	2	2	2	3							2	2	1	
CO3	2.74	2	1		1					1	1	3	2	1	2	

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1.95	1.95	2.92	0.97								0.97	1.95	1.95	
CO2	0.95	1.90	1.90	1.90	2.86							1.90	1.90	0.95	
CO3	1.83	0.91		0.91					0.91	0.91	2.74	1.83	0.91	1.83	
PO Attainment From Course	1.58	1.59	2.41	1.26	2.86	0.00	0.00	0.00	0.91	0.91	2.74	1.57	1.59	1.58	0.00
% of PO Attainment From Course	52.53	52.96	80.43	42.13	95.20	0.00	0.00	0.00	30.47	30.47	91.40	52.29	52.96	52.53	0.00



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ESE Result Analysis: Attainment of COs

Academic Year:2021-22	Class: B Tech	Semester VIII
Program: CSE	PCC- CS805 : Mobile Application Development	

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	NA	50	50
PRN			
1212397233	NA	36	36
2017050464	NA	41	36
2017050493	NA	42	42
2017050498	NA	36	41
2017050507	NA	37	47
2017050547	NA	36	34
2017050571	NA	41	39
2017050851	NA	36	30
2017050868	NA	38	41
2017057146	NA	45	43
2017057305	NA	36	34
2017101715	NA	36	34
2018079226	NA	36	44
2018087035	NA	39	43
2018087036	NA	37	40
2018087037	NA	39	41
2018087038	NA	41	41
2018087039	NA	41	36
2018087040	NA	36	34
2018087041	NA	41	36
2018087042	NA	39	46
2018087043	NA	41	39
2018087046	NA	36	36
2018087049	NA	41	42
2018087051	NA	39	39
2018087052	NA	36	36
2018087054	NA	42	40
2018087055	NA	41	37

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	NA	50	50
PRN			
2018087057	NA	36	39
2018087060	NA	41	48
2018087063	NA	41	41
2018087065	NA	41	44
2018087067	NA	41	42
2018087070	NA	43	43
2018087071	NA	37	41
2018087074	NA	41	46
2018087076	NA	41	42
2018087084	NA	36	41
2018087085	NA	36	36
2018087087	NA	41	48
2018087097	NA	36	42
2018087104	NA	39	40
2018087106	NA	41	39
2018087108	NA	42	34
2018087110	NA	41	34
2018087111	NA	37	39
2018087116	NA	37	35
2018087120	NA	37	40
2018087122	NA	39	34
2018087125	NA	39	40
2018087144	NA	41	37
2018087163	NA	41	44
2018087181	NA	36	47
2018087370	NA	36	48
2018087371	NA	41	42
2018087381	NA	39	47

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	NA	50	50
PRN			
2018089007	NA	37	34
2019084333	NA	45	41
2019084335	NA	37	43
2019084409	NA	36	47
2019084410	NA	41	47
2019084412	NA	36	34
2019084413	NA	41	44
2019084414	NA	43	44
2019084415	NA	41	44
2019084416	NA	36	34

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	NA	50	50
PRN			
2019084417	NA	41	48
2019084419	NA	36	36
2019085687	NA	36	36
2019086282	NA	45	43
2019089666	NA	39	47
2019089668	NA	41	48

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	NA	50	50
Threshold %	NA	70	70
Threshold Marks	NA	35	35
No. of Students Above Threshold Marks	NA	72	61
Total No. of Students in Class	NA	72	72
CO Wise Average Percentage Attainment*	NA	100	84.72
Attainment Level**	NA	3	3

CO	Average Attainment Level**			*Calculate CO wise Percentage Attainment Level Manually **Enter the level of Attainment as per Below Range 0%- 33 % = 1 34%-66% =2 67%-100%=3
	ESE	OE/POE	TW	
CO1	NA	3	3	
CO2	NA	3	3	
CO3	NA	3	3	
CO4	NA	3	3	
CO5	NA	3	3	
CO6	NA	3	3	

 Mrs. D. A. Alone Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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COURSE EXIT SURVEY

Academic Year:2021-22	Class: B TECH	Semester VIII
Program: CSE	PCC- CS805 : Mobile Application Development	

Name of Student: _____ Roll NO: _____

After the completion of the course PCC- CS805 : Mobile Application Development Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

CO1 Q1. Install and configure Android application development tools

Rate _____

CO2 Q2. Design and develop user Interfaces for the Android platform

Rate _____

CO3 Q3. Design and develop database based android application.

Rate _____

CO4 Q4. Write a program which applies Java programming concepts to Android app development

Rate _____

CO	CO1	CO2	CO3	CO4
Rate Given				

Faculty Sign

Academic Year:2021-22	Class: B TECH	Semester VIII
Program: CSE	PCC- CS805 : Mobile Application Development	

Roll No	PRN	C01	CO2	CO3	CO4
1	1212397233	2	3	2	2
2	2017050464	2	3	3	3
3	2017050493	3	3	2	2
4	2017050498	2	2	3	3
5	2017050507	3	2	3	2
6	2017050547	3	2	3	2
7	2017050571	3	3	3	1
8	2017050851	2	3	3	2
9	2017050868	3	3	3	3
10	2017057146	2	2	3	3
11	2017057305	2	3	3	2
12	2017101715	3	3	2	3
13	2018079226	3	2	3	3
14	2018087035	3	2	2	2
15	2018087036	2	3	3	2
16	2018087037	3	3	3	2
17	2018087038	2	3	3	2
18	2018087039	3	3	3	2
19	2018087040	3	3	3	2
20	2018087041	3	3	3	2
21	2018087042	3	3	3	2
22	2018087043	3	3	3	2
23	2018087046	3	3	2	2
24	2018087049	2	2	3	2
25	2018087051	2	3	3	2
26	2018087052	3	2	3	2
27	2018087054	3	2	3	2
28	2018087055	3	3	2	2
29	2018087057	3	3	3	2
30	2018087060	3	2	2	3
31	2018087063	2	3	3	3
32	2018087065	3	2	3	2
33	2018087067	3	2	3	2
34	2018087070	3	3	3	3
35	2018087071	3	3	3	2
36	2018087074	3	3	2	3
37	2018087076	2	3	3	2
38	2018087084	3	2	3	2
39	2018087085	3	3	3	2
40	2018087087	3	3	3	2
41	2018087097	3	3	2	3
42	2018087104	2	3	3	2
43	2018087106	2	3	2	2
44	2018087108	3	3	3	2
45	2018087110	2	3	3	3

46	2018087111	3	2	3	3
47	2018087116	3	3	3	2
48	2018087120	2	3	2	2
49	2018087122	3	3	3	3
50	2018087125	3	3	2	2
51	2018087144	3	3	3	3
52	2018087163	3	2	3	2
53	2018087181	3	3	3	3
54	2018087370	2	3	2	2
55	2018087371	3	3	3	2
56	2018087381	3	3	3	2
57	2018089007	3	2	2	2
58	2019084333	2	3	2	3
59	2019084335	3	3	2	3
60	2019084409	2	3	3	2
61	2019084410	3	3	2	2
62	2019084412	3	2	3	3
63	2019084413	3	3	2	2
64	2019084414	2	3	2	3
65	2019084415	2	3	3	2
66	2019084416	2	3	2	3
67	2019084417	3	2	3	2
68	2019084419	3	3	2	3
69	2019085687	2	2	3	2
70	2019086282	2	3	2	3
71	2019089666	3	2	3	2
72	2019089668	3	2	3	2
		192	195	194	166
		2.67	2.71	2.69	2.31
Average Indirect Attainment		2.59			


Faculty Sign



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FOUNDER & CHANCELLOR
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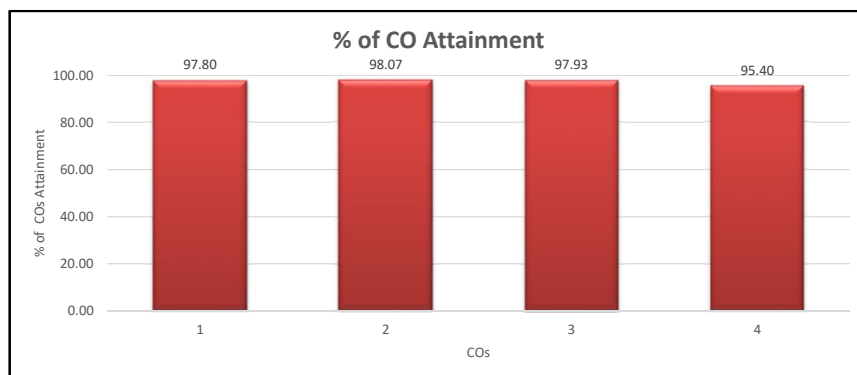
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PRINCIPAL
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M.E., Ph. D. (Computer)

Attainment of COs

Program: CSE		PCC- CS805 : Mobile Application Development		Class: B TECH		Semester VIII	Academic Year: 2021-22		
SN	CO Statement	Direct Assessment					Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average	(Course End Survey)		
	Weightage	0	0	0.5	0.5				
CO1	To Install and configure Android application development tools	0	0	3	3	3.00	2.67	2.93	97.80
CO2	To Design and develop user Interfaces for the Android platform	0	0	3	3	3.00	2.71	2.94	98.07
CO3	To Design and develop database based android application.	0	0	3	3	3.00	2.69	2.94	97.93
CO4	To Apply Java programming concepts to Android app development	0	0	3	3	3.00	2.31	2.86	95.40

Overall Attainment=0.8*Direct+0.2*Indirect



 Mrs. D. A. Alone Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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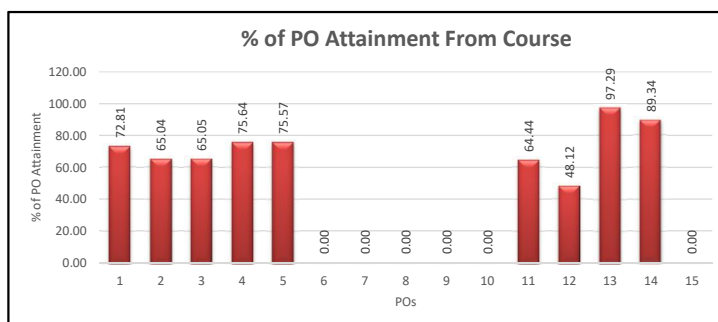
PRINCIPAL
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M.E., Ph. D. (Computer)

Attainment of POs

Program: CSE	PCC- CS805 : Mobile Application Development	Class: B Tech	Semester VIII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.93	2				2								3	3	
CO2	2.94	2	2	3	2									3	3	
CO3	2.94	2	3	2	3	3			1			2	1	3	3	
CO4	2.86	3	1	1	2	2						2	2	3	2	

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1.96				1.96								2.93	2.93	
CO2	1.96	1.96	2.94	1.96									2.94	2.94	
CO3	1.96	2.94	1.96	2.94	2.94			0.98			1.96	0.98	2.94	2.94	
CO4	2.86	0.95	0.95	1.91	1.91						1.91	1.91	2.86	1.91	
PO Attainment From Course	2.18	1.95	1.95	2.27	2.27	0.00	0.00	0.00	0.00	0.00	1.93	1.44	2.92	2.68	0.00
% of PO Attainment From Course	72.81	65.04	65.05	75.64	75.57	0.00	0.00	0.00	0.00	0.00	64.44	48.12	97.29	89.34	0.00



 Mrs. D.A. Alone Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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ESE Result Analysis: Attainment of COs

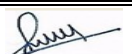
Academic Year:2021-22	Semester VII
Program: CSE	Project-I (PW- CS706)

Exam	ESE	OE/POE	TW	Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5,CO6			CO	CO1, CO2, CO3, CO4, CO5,CO6		
Marks	70	NA	25	Marks	70	NA	25
RN				RN			
2018087163		47	47	2018087051		44	45
2018087043		47	47	2019084410		43	44
2019084413		47	47	2017050498		43	44
2018087039		44	47	2018087371		43	43
2018087087		47	46	2019084333		45	45
2018087054		44	46	2018087381		43	41
2018087074		45	46	2019086282		45	45
2018087144		46	47	2017050571		47	47
2018079226		44	44	2018087055		46	46
2018087070		44	45	2018087120		47	47
2018087042		46	46	2017050868		46	46
2019084414		47	47	2018087063		44	45
2018087065		46	46	2018087067		46	46
2018087125		46	45	2018087046		44	43
2019084409		45	45	2019085687		44	44
2019089666		45	45	2019084335		44	44
2018087076		44	45	2019084415		44	44
2018087060		44	44	2018087038		47	47
2018087036		47	47	2018087035		43	44
2018087108		47	47	2018087097		44	44
2018087084		44	45	2018087106		41	42
2017050493		47	47	2017050464		45	46
2019089668		45	45	2019084419		44	44
2019084417		45	45	2018087116		44	43
2018087049		45	47	2018087104		41	43
2018087037		44	45	2017050547		43	44
2018087040		45	46	2017057146		42	40
2018087071		47	47	2018089007		40	41

Exam	ESE	OE/POE	TW	Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5, CO6			CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	70	50	25	Marks	70	50	25
RN				RN			
2019084412		40	41	2018087181		42	41
2017057305		44	44	1212397233		42	43
2017101715		44	45				
2017050507		39	39				
2018087110		41	42				
2018087370		42	41				
2017050851		42	41				
2018087052		43	43				
2018087057		37	38				
2019084416		43	45				
2018087122		38	42				
2018087041		44	45				
2018087085		43	43				
2018087111		42	42				

Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4, CO5, CO6		
Marks	NA	50	50
Threshold %	NA	40	40
Threshold Marks	NA	20	20
No. of Students Above Threshold Marks	NA	72	72
Total No. of Students in Class	NA	72	72
CO Wise Average Percentage Attainment*	NA	100	100.00
Attainment Level**	NA	3	3

CO	Average Attainment Level**		
	ESE	OE/POE	TW
CO1	NA	3	3
CO2	NA	3	3
CO3	NA	3	3
CO4	NA	3	3
CO5	NA	3	3

 Mrs. R.V. Jadhav Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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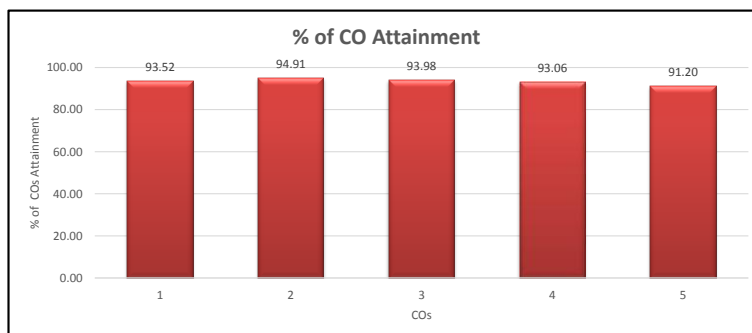
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PRINCIPAL
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Attainment of COs

Program: CSE		Project-I (PW- CS706)		Class: B TECH		Semester VII	Academic Year: 2021-22	
SN	CO Statement	Direct Assessment				Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average		
	Weightage	NA	NA	0.5	0.5			
CO1	. Explain the need of a software project for the society			3	3	3.00	2.81	93.52
CO2	. Identify requirement analysis like functional and technical requirements for the project			3	3	3.00	2.85	94.91
CO3	gram, Algorithmic descriptions of various modules, collaboration diagram, ER Diagrams, Database Design Documents, Sequence Diagram, Use Case Diagram			3	3	3.00	2.82	93.98
CO4	. Able to demonstrate analysis and design			3	3	3.00	2.79	93.06
CO5	Prepare the technical report consisting of Requirement specification, Analysis and Design of Project			3	3	3.00	2.74	91.20

Overall Attainment=0.8*Direct+0.2*Indirect



 Mrs. R.V. Jadhav Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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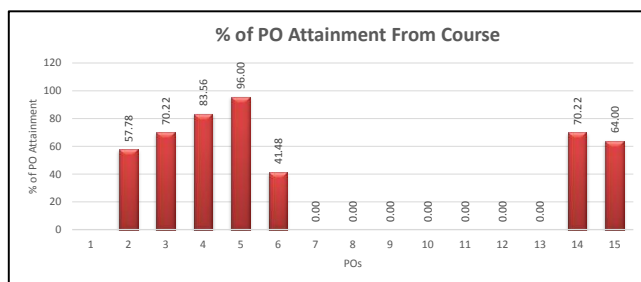
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Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Attainment of POs

Program: CSE	Project-I (PW- CS706)	Class: B TECH	Semester VII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.80	3	3	1	3	1								3	2	
CO2	2.80	1	2	3	3	2								2	2	
CO3	2.80	1	2	3	3	1								2	2	
CO4	3.00	2	2	3	3	0								2	2	
CO5	3.00	2	2	3	3	0								2	2	

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.80	2.80	0.93	2.80	0.93								2.80	1.87	
CO2	0.93	1.87	2.80	2.80	1.87								1.87	1.87	
CO3	0.93	1.87	2.80	2.80	0.93								1.87	1.87	
CO4	2.00	2.00	3.00	3.00									2.00	2.00	
CO5	2.00	2.00	3.00	3.00									2.00	2.00	
PO Attainment From Course	1.73	2.11	2.51	2.88	1.24	0.00	0.00	0.00	0.00			0.00	2.11	1.92	0.00
% of PO Attainment From Course	57.78	70.22	83.56	96.00	41.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.22	64.00	0.00



 Mrs. R.V. Jadhav Course Coordinator	 Mrs. S.M. Mulla HoD	 Dr. Vijay R. Ghorpade Principal
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COURSE EXIT SURVEY

Academic Year:2021-22		Class: Bt Tcch	Semester VII
Program: CSE			Project-I (PW- CS706)

Name of Student: _____

Roll NO: _____

After the completion of the course Project-I (PW- CS706) Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

Q1. Explain the need of a software project for the society

Rate_____

Q2.. Identify requirement analysis like functional and technical requirements for the project

Rate_____

Q3.Come up with design documents for the project consisting of Architecture, Dataflow diagram, class

Rate_____

Q4. Able to demonstrate analysis and design

Rate_____

Q5. Prepare the technical report consisting of Requirement specification, Analysis and Design of Project

Rate_____

CO	CO1	CO2	CO3	CO4	CO5
Rate Given					

Faculty Sign

Academic Year:2021-22	Class: B Tech	Semester VII
Program: CSE	Project-I (PW- CS706)	

Roll No	PRN	C01	CO2	CO3	CO4	CO5
1	2018087163	3	2	3	2	3
2	2018087043	3	3	3	3	3
3	2019084413	3	3	3	3	3
4	2018087039	3	2	3	3	3
5	2018087087	3	3	3	3	3
6	2018087054	3	3	3	2	3
7	2018087074	2	3	3	3	3
8	2018087144	3	3	3	3	3
9	2018079226	3	2	2	3	2
10	2018087070	2	3	3	3	3
11	2018087042	3	3	3	3	2
12	2019084414	3	2	3	3	2
13	2018087065	2	2	3	2	3
14	2018087125	3	3	3	3	2
15	2019084409	3	3	3	3	2
16	2019089666	3	3	3	2	3
17	2018087076	3	3	2	3	2
18	2018087060	3	3	3	3	3
19	2018087036	3	3	3	2	3
20	2018087108	2	3	3	2	2
21	2018087084	3	3	3	3	3
22	2017050493	3	3	2	3	2
23	2019089668	3	3	3	2	3
24	2019084417	3	3	3	3	3
25	2018087049	3	3	3	3	3
26	2018087037	3	3	3	3	3
27	2018087040	3	3	3	3	3
28	2018087071	3	3	3	3	3
29	2018087051	3	3	3	3	3
30	2019084410	2	3	3	3	3
31	2017050498	3	3	3	2	3
32	2018087371	3	3	3	2	3
33	2019084333	3	3	3	3	3
34	2018087381	3	3	3	3	2
35	2019086282	3	3	3	3	3
36	2017050571	3	3	1	3	3
37	2018087055	2	3	3	3	1
38	2018087120	3	3	3	3	3
39	2017050868	2	3	3	3	3
40	2018087063	3	3	2	3	2
41	2018087067	2	3	3	3	2
42	2018087046	3	3	3	3	3
43	2019085687	3	3	3	3	3
44	2019084335	3	1	3	2	2
45	2019084415	2	3	1	3	3
46	2018087038	3	3	3	3	2
47	2018087035	3	2	3	1	3
48	2018087097	2	3	1	3	3
49	2018087106	3	3	3	3	3
50	2017050464	3	3	3	3	3
51	2019084419	3	3	3	3	3
52	2018087116	3	3	3	3	3
53	2018087104	3	3	3	3	3
54	2017050547	3	3	3	3	3
55	2017057146	3	3	3	3	3
56	2018089007	2	3	3	3	3
57	2019084412	3	3	3	3	3
58	2017057305	2	2	3	2	3

59	2017101715	3	3	3	3	2
60	2017050507	3	2	2	2	3
61	2018087110	3	3	3	3	3
62	2018087370	3	3	3	3	2
63	2017050851	2	2	3	3	3
64	2018087052	3	3	2	3	3
65	2018087057	3	3	3	3	2
66	2019084416	3	3	3	2	3
67	2018087122	3	3	3	3	3
68	2018087041	3	3	2	3	3
69	2018087085	2	3	3	3	2
70	2018087111	3	3	3	3	3
71	2018087181	3	3	3	3	3
72	1212397233	3	3	3	3	3
Indirect CO Attainment		2.81	2.85	2.82	2.79	2.74
Average Indirect Attainment		2.80				

Factor



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M.E., Ph. D. (Computer)

ESE Result Analysis: Attainment of COs

Academic Year:2021-22	Semester VIII
Program: CSE	Project-II (PW- CS806)

Exam	ESE	OE/POE	TW	Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4			CO	CO1, CO2, CO3, CO4		
Marks	70	NA	25	Marks	70	NA	25
RN				RN			
2018087065		48	47	2018087043		48	48
2018087042		48	48	2019084410		45	46
2018087120		47	48	2018087076		40	39
2018087036		47	48	2019089668		45	46
2018087071		48	48	2018087070		44	44
2019084335		40	39	2019084412		43	43
2018087111		44	44	2018087052		45	44
2019084415		46	45	2019084409		45	46
2018087037		48	47	2018087041		47	45
2018087116		44	44	2019084413		48	48
2018087163		48	48	2018087084		44	44
2018087038		47	48	2018087144		48	47
2018087055		47	47	2018087381		42	47
2018087125		48	47	2018087097		48	47
2018087035		45	45	2018087106		44	44
2018087110		44	42	2018087039		48	47
2018089007		45	43	2019084417		45	46
2018087057		46	45	2018087054		45	45
2018087046		46	45	2019084414		48	48
2019084416		46	45	2018087370		42	47
2018087040		46	47	2018087122		45	44
2019089666		45	46	2019086282		47	46
2018087051		43	43	2018087074		48	48
2019084419		48	47	2018087108		48	48
2018087104		44	44	2018087067		47	48
2018087063		43	43	2018087371		45	46
2018087085		45	44	2019085687		40	39
2018087087		48	48	2018087049		48	47

Exam	ESE	OE/POE	TW	Exam	ESE	OE/POE	TW
CO	CO1, CO2, CO3, CO4			CO	CO1, CO2, CO3, CO4		
Marks	70	50	25	Marks	70	50	25
RN				RN			
2019084333		48	47	2017057146		41	47
2018087181		42	47	2017050851		39	38
2018087060		45	46				
2018079226		45	46				
2017050464		47	47				
2017050493		47	48				
2017057305		47	45				
2017050868		48	47				
2017101715		45	45				
2017050571		47	48				
2017050507		41	46				
2017050547		46	45				
1212397233		46	46				
2017050498		44	46				
Exam		ESE		OE/POE		TW	
CO		CO1, CO2, CO3,CO4,CO5,CO6					
Marks		NA		50		50	
Threshold %		NA		40		40	
Threshold Marks		NA		20		20	
No. of Students Above Threshold Marks		NA		72		72	
Total No. of Students in Class		NA		72		72	
CO Wise Average Percentage Attainment*		NA		100		100.00	
Attainment Level**		NA		3		3	
CO	Average Attainment Level**						
	ESE	OE/POE	TW				
CO1	NA	3	3				
CO2	NA	3	3				
CO3	NA	3	3				
CO4	NA	3	3				
CO5	NA	3	3				
CO6	NA	3	3				
 Mrs. R.V. Jadhav Course Coordinator				 Mrs. S.M. Mulla HoD		 Dr. Vijay R. Ghorpade Principal	



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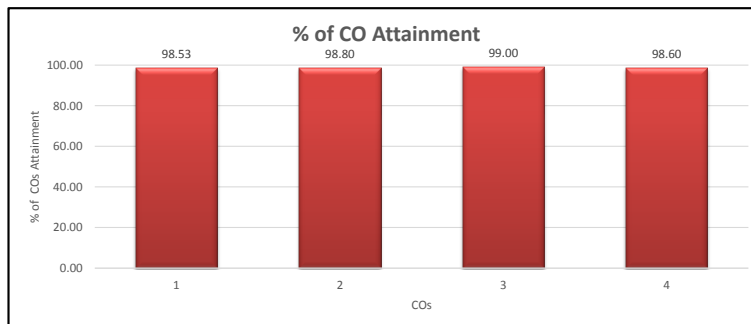
FOUNDER & CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Attainment of COs

Program: CSE		Project-II (PW- CS806)		Class: B TECH		Semester VIII	Academic Year: 2021-22		
SN	CO Statement	Direct Assessment				Indirect Assessment	Overall Attainment on Scale of 3	Overall Percentage Attainment	
		CIE	ESE	OE/POE	TW	Attainment Level Weighted Average			(Course End Survey)
	Weightage	NA	NA	0.25	0.25				
CO1	Design and develop usable User Interface			3	3	3.00	2.78	2.96	98.53
CO2	Test the modules in Project			3	3	3.00	2.82	2.96	98.80
CO3	Able to formulate problems and implement algorithms in C			3	3	3.00	2.85	2.97	99.00
CO4	Demonstrate working of project			3	3	3.00	2.79	2.96	98.60

Overall Attainment=0.8*Direct+0.2*Indirect



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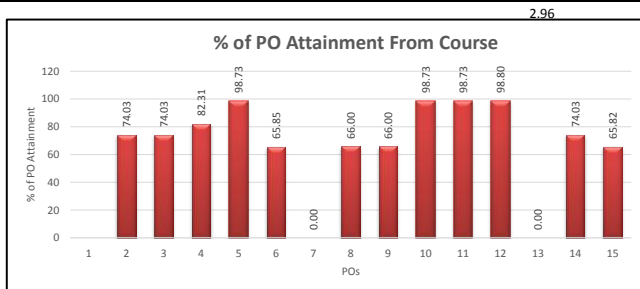
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Attainment of POs

Program: CSE	Project-II (PW- CS806)	Class: B TECH	Semester VIII	Academic Year: 2021-22
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CO-PO Mapping																
CO No.	Overall CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.96	3	3	1	3	2				3	3			3	2	
CO2	2.96	2	2	3	3	2				3	3	3		2	2	
CO3	2.97	2	2	3	3	2		2	2	3	3	3		2	2	
CO4	2.96	2	2	3	3	0				3	3	3		2	2	

CO-PO Attainment															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.96	2.96	0.99	2.96	1.97				2.96	2.96			2.96	1.97	
CO2	1.98	1.98	2.96	2.96	1.98				2.96	2.96	2.96		1.98	1.98	
CO3	1.98	1.98	2.97	2.97	1.98		1.98	1.98	2.97	2.97	2.97		1.98	1.98	
CO4	1.97	1.97	2.96	2.96					2.96	2.96	2.96		1.97	1.97	
PO Attainment From Course	2.22	2.22	2.47	2.96	1.98		1.98	1.98	2.96	2.96	2.96		2.22	1.97	
% of PO Attainment From Course	74.03	74.03	82.31	98.73	65.85	0.00	66.00	66.00	98.73	98.73	98.80	0.00	74.03	65.82	0.00



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COURSE EXIT SURVEY

Academic Year:2021-22		Class:B TECH	Semester VIII
Program: CSE			Project-II (PW- CS806)

Name of Student: _____

Roll NO: _____

After the completion of the course Project-II (PW- CS806) Do you think following outcomes are achieved. Then rate the achievement on point scale of (0 -3, 0: Lowest 3: Highest)

Q1. Design and develop usable User Interface

Rate_____

Q2.. Analyze and apply emerging technologies in development of a project

Rate_____

Q3. Test the modules in Project

Rate_____

Q4. Demonstrate working of project

Rate_____

CO	CO1	CO2	CO3	CO4
Rate Given				

Faculty Sign

Academic Year:2021-22		Class:B TECH
Program: CSE		Project-II (PW- CS806)

Roll No	PRN	C01	CO2	CO3	CO4
1	2018087065	3	2	3	2
2	2018087042	3	3	3	3
3	2018087120	3	3	3	3
4	2018087036	3	2	3	3
5	2018087071	3	3	3	3
6	2019084335	3	3	3	2
7	2018087111	2	3	3	3
8	2019084415	2	3	3	3
9	2018087037	3	3	3	3
10	2018087116	3	2	3	3
11	2018087163	2	2	3	2
12	2018087038	3	3	3	3
13	2018087055	3	3	3	3
14	2018087125	3	3	3	2
15	2018087035	3	3	2	3
16	2018087110	3	3	3	3
17	2018089007	3	3	3	2
18	2018087057	2	3	3	2
19	2018087046	3	3	3	3
20	2019084416	3	3	3	3
21	2018087040	3	3	3	3
22	2019089666	3	3	3	3
23	2018087051	3	3	3	3
24	2019084419	3	3	3	3
25	2018087104	3	3	3	3
26	2018087063	2	3	3	3
27	2018087085	3	3	3	2
28	2018087087	3	3	3	2
29	2018087043	3	3	3	3
30	2019084410	3	3	1	3
31	2018087076	2	3	3	3
32	2019089668	3	3	3	3
33	2018087070	2	3	3	3
34	2019084412	3	3	2	3
35	2018087052	2	3	3	3
36	2019084409	3	3	3	3
37	2018087041	3	3	3	3
38	2019084413	3	1	3	2
39	2018087084	2	3	1	3
40	2018087144	3	3	3	3
41	2018087381	3	2	3	1
42	2018087097	3	3	3	3
43	2018087106	3	3	3	3
44	2018087039	3	3	3	3

45	2019084417	3	3	3	3
46	2018087054	3	3	3	3
47	2019084414	3	3	3	3
48	2018087370	2	3	3	3
49	2018087122	3	3	3	3
50	2019086282	2	2	3	2
51	2018087074	3	3	3	3
52	2018087108	3	2	2	2
53	2018087067	3	3	3	3
54	2018087371	3	3	3	3
55	2019085687	2	2	3	3
56	2018087049	3	3	2	3
57	2019084333	3	3	3	3
58	2018087181	3	3	2	3
59	2018087060	2	3	3	3
60	2018079226	3	3	3	3
61	2017050464	3	3	3	3
62	2017050493	3	3	3	3
63	2017057305	2	3	3	3
64	2017050868	3	3	3	3
65	2017101715	2	2	3	2
66	2017050571	3	3	3	3
67	2017050507	3	2	2	2
68	2017050547	3	3	3	3
69	1212397233	3	3	3	3
70	2017050498	2	2	3	3
71	2017057146	3	3	2	3
72	2017050851	3	3	3	3
		200	203	205	201
	Indirect CO Attainment	2.78	2.82	2.85	2.79
	Average Indirect Attainment	2.81			



Faculty Sign