

**Attainment of program outcomes and course outcomes**  
**Course Outcome-Programme Outcome Mapping**

**Department of Computer Applications (2017-2018)**

**PROGRAM OUTCOME**

<b>PO1</b>	An ability to apply knowledge of basic mathematics, science and domain knowledge to solve the computational problems
<b>PO2</b>	Acquire Knowledge of mathematical foundations, computer application theory and algorithm principles in the design and modeling of computer based system.
<b>PO3</b>	Earn caliber to design, analyze and development principles in the construction of complex hardware and software computer
<b>PO4</b>	Ability to research, analyze and investigate complex computing problems through design of experiments, analysis and interpretation of data and synthesis of the information to arrive at valid conclusions.
<b>PO5</b>	Ability to work in multi-disciplinary team collaboration both as a member and leader, as per need

**STAFF NAME:** Ms.S.KARTHIKA M.Sc., M.Phil.,

**COURSE - PROGRAMMING IN C(16SCCCA1)**

**COURSE OUTCOME**

<b>CO1</b>	Defines the concept of C programming and it's fundamental
<b>CO2</b>	
<b>CO3</b>	Understanding Arrays , Strings and User defined Functions.
<b>CO4</b>	Differentiate Structures and unions. Defines Pointer concepts and File management
<b>CO5</b>	Explain the uses of pre-processors, memory allocation and Programming Guide lines.

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	3	2	2	3	0
CO2	1	0	2	2	0
CO3	2	1	3	2	1
CO4	2	0	2	2	0
CO5	2	1	2	1	1
Average	2	0.6	0.6	0.6	0.6

**Internal Examination Mark Distribution for each Course outcome**

CO	Internal(15)	Assignment(5)	Seminar(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.NO	Name	Register Number	CO1	CO2	CO3	CO4	CO5	Total	Percentage
1	AAIDHA.A	CB17S 249211	4	4	4	4	4	20	80
2	ABARNA.T	CB17S 249212	4	4	4	4	3	19	76
3	ABIRAM.I.G	CB17S 249213	3	3	3	2	2	13	52
4	ABIRAM.I.R	CB17S 249214	2	2	2	3	3	12	48
5	AKALYA.A	CB17S 249215	2	2	2	2	2	10	40
6	AMARTHIYA.T	CB17S 249216	4	4	4	4	4	20	80
7	ANITHA.R	CB17S 249217	2	2	2	2	3	11	44
8	ANUSHA.N	CB17S 249218	2	2	2	3	3	12	48
9	ANUSHYA.S	CB17S 249219	2	2	2	2	3	11	44
10	ARCHANA.K	CB17S 249220	2	2	2	2	2	10	40
11	ASHA.B	CB17S 249221	5	5	5	5	3	23	92
12	ASHA.R	CB17S 249222	5	5	5	5	5	25	100
13	AYSHA JABIN.U	CB17S 249223	5	5	5	5	4	24	96
14	BAGAM PRIYAL.K	CB17S 249224	4	4	4	4	5	21	84
15	BARANI.M	CB17S 249225	2	3	3	3	3	14	56
16	BAVITHA.P	CB17S 249226	3	3	3	3	3	15	60
17	BOOMIKA.R	CB17S 249227	3	3	3	3	2	14	56
18	DEEBIKA.G	CB17S 249228	2	2	3	3	3	13	52
19	DEVATHARANI.M	CB17S 249229	5	5	5	5	4	24	96
20	DHANALAKSHMI.A	CB17S 249230	2	2	2	2	2	10	40
21	DIVYA BHARATHI.C	CB17S 249231	3	3	4	4	5	19	76
22	DIVYA.S	CB17S 249232	3	3	2	2	2	12	48
23	ELAVARASI.B	CB17S 249233	3	3	4	4	5	19	76
24	FATHIMA APSARA.N	CB17S 249234	3	5	5	5	5	23	92
25	GAYATHRI.S	CB17S 249235	2	2	3	3	3	13	52
26	GOWSHIKA.S	CB17S 249236	2	2	2	2	2	10	40
27	HATHEEJA.B	CB17S 249237	2	2	2	3	3	12	48
28	JAYA SOORIYA.G	CB17S 249238	3	3	3	3	2	14	56
29	JENIRABEGAM.M	CB17S 249239	5	5	5	5	4	24	96

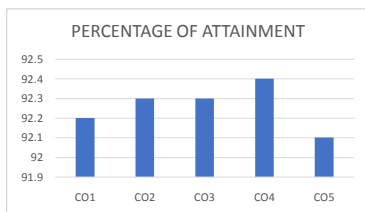
30	KABIYAYINI.K	CB17S 249240	5	5	5	5	3	23	92
31	KAVIYA.B	CB17S 249242	5	5	5	5	4	24	96
32	KEERTHIKA.K	CB17S 249243	3	3	3	3	2	14	56
33	MAHALAKSHMI.J	CB17S 249244	2	2	2	2	3	11	44
34	MOUNIKA.R	CB17S 249246	2	2	2	3	3	12	48
35	MUSFEERA THASREEN.A	CB17S 249247	2	2	2	3	3	14	56
36	NADI PRIYANKA.S	CB17S 249248	4	4	4	4	3	19	76
37	NADIYAMBAL.G	CB17S 249249	5	5	5	5	4	24	96
38	NAHDHIYA.A	CB17S 249250	3	3	3	3	2	14	56
39	NASIHA.A	CB17S 249251	2	2	2	2	3	11	44
40	NASRIN.M	CB17S 249252	2	2	2	3	3	12	48
41	NISHABANU.N	CB17S 249253	4	4	4	4	3	19	76
42	NIVETHA.M	CB17S 249254	2	2	3	3	3	13	52
43	NIVETHA.S (12.04.2001)	CB17S 249255	4	4	4	4	4	20	80
44	NIVETHA.S(25.05.99)	CB17S 249256	4	4	4	4	3	19	76
45	PAVITHRA.M	CB17S 249257	3	3	3	2	2	13	52
46	PIREETHA.B	CB17S 249258	2	2	2	3	3	12	48
47	PRIYA.M	CB17S 249259	2	2	2	2	2	10	40
48	SABARISANTHIYA.R	CB17S 249260	4	4	4	4	4	20	80
49	SABITHA.N	CB17S 249261	2	2	2	2	3	11	44
50	SANGEETHA.M	CB17S 249262	2	2	2	3	3	12	48
51	SANGEETHA.R (17.09.1999)	CB17S 249263	2	2	2	2	3	11	44
52	SANGEETHA.R (19.12.1998)	CB17S 249264	2	2	2	2	2	10	40
53	SANTHIYA.S	CB17S 249265	5	5	5	5	3	23	92
54	SARASWATHI.R	CB17S 249266	5	5	5	5	5	25	100
55	SELSYA.P	CB17S 249267	5	5	5	5	4	24	96
56	SHARMILADEVIL.R	CB17S 249269	4	4	4	4	5	21	84
57	SIVASRI.N	CB17S 249270	2	3	3	3	3	14	56
58	SNEHA.R	CB17S 249271	3	3	3	3	3	15	60
59	SOBIKA.S	CB17S 249272	3	3	3	3	2	14	56
60	SOFIYA.S	CB17S 249273	2	2	3	3	3	13	52
61	SRIRANJANI.R	CB17S 249274	5	5	5	5	4	24	96
62	SUBAROSHANI.S	CB17S 249275	2	2	2	2	2	10	40
63	SUGANYA.V	CB17S 249276	3	3	4	4	5	19	76
64	SUJITHA.A	CB17S 249277	3	3	2	2	2	12	48
65	SUJITHA.S	CB17S 249278	3	3	4	4	5	19	76
66	SURIYAPRIYA.V	CB17S 249279	3	5	5	5	5	23	92
67	SUSMITHA.M	CB17S 249280	2	2	3	3	3	13	52
68	THASLIMA NASHRIN.M	CB17S 249281	2	2	2	2	2	10	40
69	THULASI.M	CB17S 249282	2	2	2	2	2	10	40
70	UDHAYASRI.R	CB17S 249283	5	5	5	5	3	23	92
71	VAISHNAVI.K	CB17S 249284	5	5	5	5	5	25	100
72	VINITHA.K	CB17S 249285	5	5	5	5	4	24	96
73	VINITHA.S	CB17S 249286	4	4	4	4	5	21	84
74	YOGESHWARI.K	CB17S 249287	2	3	3	3	3	14	56
75	YOGESHWARI.S	CB17S 249288	3	3	3	3	3	15	60
Average			3.313	3.22666667	3.322223	3.472289	3.247711		

**Expected Attainment in each CO - 85%**

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	3.31	75	78.31	92.1
CO2	3.22	75	78.22	92.0
CO3	3.32	75	78.32	92.1
CO4	3.47	75	78.47	92.3
CO5	3.24	75	78.24	92.0

SUBJECT NAME : PROGRAMMING IN C  
SUBJECT CODE : 16SCCA1  
NO.OF STUDENTS : 75

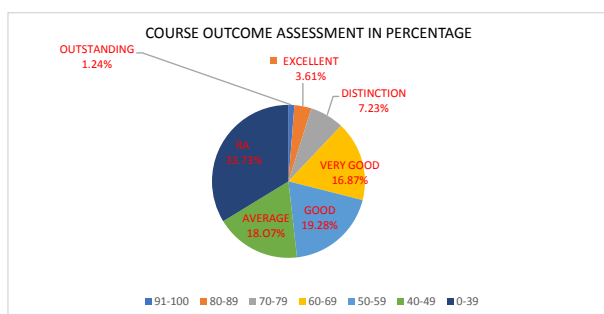
COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	92.1
CO2	92
CO3	92.1
CO4	92.3
CO5	92



COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS

91-100	1	OUTSTANDING
80-89	3	EXCELLENT
70-79	6	DISTINCTION
60-69	14	VERY GOOD
50-59	16	GOOD
40-49	15	AVERAGE
0-39	28	REAPPEAR

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
91-100	1.24%	OUTSTANDING
80-89	3.61%	EXCELLENT
70-79	7.23%	DISTINCTION
60-69	16.87%	VERY GOOD
50-59	19.28%	GOOD
40-49	18.07%	AVERAGE
0-39	33.73%	REAPPEAR



STAFF NAME: Dr.S.PRADEEP GNANAM M.C.A.,M.Phil.,Ph.D

### COURSE - COMPUTER NETWORKS(16SCCCA8)

#### COURSE OUTCOME

CO1	Understand computer network basics, network architecture, TCP/IP and OSI reference models
CO2	Defines Datalink layer services , Error detection and Error correction methods
CO3	Explain Network layer basics and routing algorithms
CO4	Understanding TCP features and congestion control
CO5	Enable to work with Application layer www, e-mail and DNS

PO→ CO1	PO1	PO2	PO3	PO4	PO5
CO1	3	2	1	2	1
CO2	2	2	2	2	2
CO3	3	2	2	1	2
CO4	3	2	2	2	1
CO5	3	1	2	2	2
Average	2.8	1.8	1.8	1.8	1.6

#### Internal Examination Mark Distribution for each Course outcome

CO	Internal(15)	Assignment(5)	Seminar(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.NO	Name	Register Number	CO1	CO2	CO3	CO4	CO5	Total	Percentage
1	ABINAYAN	CB15S 239961	4	4	3	4	3	18	72
2	ANITHA.S(11.11.1999)	CB15S 239962	4	3	3	4	4	18	72
3	ANITHA.S(13.04.1998)	CB15S 239963	5	5	5	5	4	24	96
4	ANUSUYAM	CB15S 239964	4	4	3	4	3	18	72
5	ANUSUYAR	CB15S 239965	3	4	4	4	4	19	76
6	ARANYA.D	CB15S 239966	4	4	4	4	4	20	80
7	ARTHIK	CB15S 239967	5	5	5	5	5	25	100
8	ARTHIR	CB15S 239968	4	4	4	4	4	20	80
9	ATCHAYA.K	CB15S 239969	4	4	4	4	4	20	80
10	ATSAYA.S	CB15S 239970	4	4	4	4	3	19	76
11	BRINDHA.K	CB15S 239971	4	4	4	4	4	20	80

12	CHITHRA.S	CB15S 239972	4	4	3	4	3	18	72
13	DEEPIKA.S	CB15S 239973	4	4	3	3	4	18	72
14	DHANAPRIYA.K	CB15S 239974	3	4	3	4	4	18	72
15	DHUVARAHAI.R	CB15S 239976	4	4	4	4	4	20	80
16	DIVYA.M	CB15S 239977	4	4	4	4	3	19	76
17	DIVYA.T	CB15S 239978	5	5	5	5	5	25	100
18	EMLIN FREEDA.P	CB15S 239979	5	5	5	5	4	24	96
19	FEMINA.J	CB15S 239981	4	4	3	4	3	18	72
20	FOWSUL ASMIYA.T	CB15S 239982	4	3	3	3	3	16	64
21	GUNASEELA.M	CB15S 239983	5	4	4	4	4	21	84
22	ILAKKIYA.U	CB15S 239984	5	5	5	5	5	25	100
23	INNISAIPRIYA.N	CB15S 239985	4	4	4	4	3	19	76
24	ISWARYA.V	CB15S 239986	5	5	5	5	5	25	100
25	KALAI SELVIT	CB15S 239987	3	3	3	3	3	15	60
26	KANIMOZHILA	CB15S 239988	4	3	3	3	3	16	64
27	KASTHURI.S	CB15S 239989	4	4	4	4	4	20	80
28	KEERTHANA.M	CB15S 239990	4	4	3	4	2	18	72
29	KEERTHANA.S	CB15S 239991	4	4	3	4	2	18	72
30	KOWSALYA.S	CB15S 239992	5	5	5	5	4	24	96
31	LALITHA.R	CB15S 239993	4	4	4	4	4	20	80
32	MAHESWARI.B	CB15S 239994	3	3	3	3	4	16	64
33	MALINI.A.S	CB15S 239995	3	5	5	5	5	23	92
34	MOUSHIYA PREETHI.A	CB15S 239996	5	5	5	5	3	24	96
35	MUGAESWARL.B	CB15S 239997	5	5	5	5	5	25	100
36	MUTHAZHAHL.T	CB15S 239998	5	5	5	5	5	25	100
37	MUTHULAKSHMI.P	CB15S 239999	4	4	3	4	2	18	72
38	NANDHINI.B	CB15S 240000	3	3	3	3	3	15	60
39	NANTHINI.A	CB15S 240001	4	4	4	4	5	21	84
40	NATCHATHRA.R	CB15S 240002	4	4	3	4	3	18	72
41	NISHA.N	CB15S 240003	4	4	4	4	4	20	80
42	NITHYA.G	CB15S 240004	4	5	5	5	5	19	76
43	NITHYASRI.K	CB15S 240005	5	5	5	5	5	25	100
44	NIVETHA.M	CB15S 240006	4	4	3	4	2	18	72
45	OVIYA.M	CB15S 240007	4	4	4	4	4	20	80
46	PRAVEENA.G	CB15S 240008	4	4	3	4	4	19	76
47	PRAVEENA.M	CB15S 240009	5	5	5	5	3	23	92
48	PRIYADHARSHINI.D	CB15S 240011	4	4	4	4	4	20	80
49	PRIYADHARSHINI.M	CB15S 240012	4	4	4	4	4	20	80
50	RAJALAKSHMI.S	CB15S 240014	4	4	4	4	3	19	76
51	RAMAJAYAM.T	CB15S 240015	5	5	5	5	5	25	100
52	RAMANA.R	CB15S 240016	4	4	4	4	3	19	76
53	RAMJAN BEEVI.S	CB15S 240017	5	5	5	5	3	23	92
54	RAMYA.D	CB15S 240018	3	3	3	3	2	14	56
55	RAMYA.G	CB15S 240019	5	5	5	5	5	25	100
56	RAMYA.M	CB15S 240020	5	5	5	5	5	25	100
57	RAMYA.S	CB15S 240021	4	4	3	4	2	18	72
58	RANGEELA.R	CB15S 240022	5	5	5	5	5	25	100
59	RANGEELA.V	CB15S 240023	3	3	3	3	3	15	60
60	RANJANI.R	CB15S 240024	4	4	4	4	4	16	64
61	RANJITHA.A	CB15S 240025	3	4	4	4	3	18	72
62	RATHNA.P	CB15S 240026	3	3	3	3	3	15	60
63	RENGANAYAKI.G	CB15S 240027	4	4	4	4	4	20	80
64	RUBIYA.E	CB15S 240028	4	4	4	4	3	19	76
65	RUKSHANA BANU.R	CB15S 240029	4	4	4	4	3	19	76
66	SALMA PEERTHOUS.A	CB15S 240030	5	5	5	5	5	25	100
67	SARALA.S	CB15S 240031	3	3	3	3	3	15	60
68	SARANYA.R	CB15S 240032	4	4	3	3	3	17	68
69	SARATHA PRIYA.P	CB15S 240033	4	4	4	4	3	19	76
70	SASIA	CB15S 240034	5	5	5	5	3	23	92
71	SATHIYA.K	CB15S 240035	5	5	5	5	3	23	92
72	SHAKIRA BEGUM.R	CB15S 240036	5	5	5	5	3	23	92
73	SHARMILA.T	CB15S 240037	3	4	4	4	3	18	72
74	SIVASANGARI.S	CB15S 240038	4	4	4	4	5	21	84
75	SOFIYA.K	CB15S 240039	5	5	5	5	5	25	100
76	SRINARMATHA.R	CB15S 240040	3	3	3	3	3	15	60
77	SUBANITHYA.P	CB15S 240041	4	4	4	4	4	20	80
78	SUGUNA.B	CB15S 240042	4	4	4	4	3	19	76
79	SUSHMITHA.G	CB15S 240043	3	3	3	3	4	16	64
80	SUTANDIRA DEVI.K	CB15S 240044	5	5	5	5	5	25	100
81	TAMILAZHAGI.T	CB15S 240045	4	4	4	4	4	20	80
82	TAMILKAVLM	CB15S 240046	3	3	3	4	4	17	68
83	UVASRIDEVI.R	CB15S 240047	5	5	5	5	5	25	100
84	VIDHYA.T	CB15S 240048	3	4	4	4	3	18	72
85	VIJAYALAKSHMI.V	CB15S 240049	4	4	4	4	3	19	76
86	VINOTHINI.G	CB15S 240050	5	5	5	5	3	23	92
87	VIRUTHA.P	CB15S 240051	4	4	4	4	3	19	76
88	YOGESWARI.S	CB15S 240052	4	4	4	4	2	18	72
Average			3.351851852	3.388888889	3.259259	3.388889	2.981481		

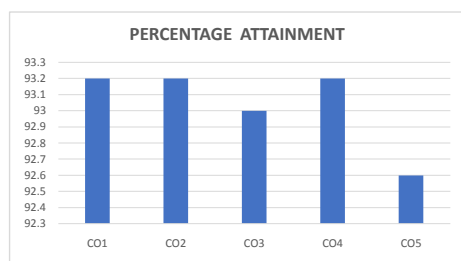
Expected Attainment in each CO - 85%

PO→ CO↓	Int. Exam + Assignment	End Sem	Total	%
CO1	4.18	75	79.18	93.2
CO2	4.22	75	79.22	93.2
CO3	4.09	75	79.09	93.0
COUR CO4	4.22	75	79.22	93.2

CO5	3.7	75	78.7	92.6
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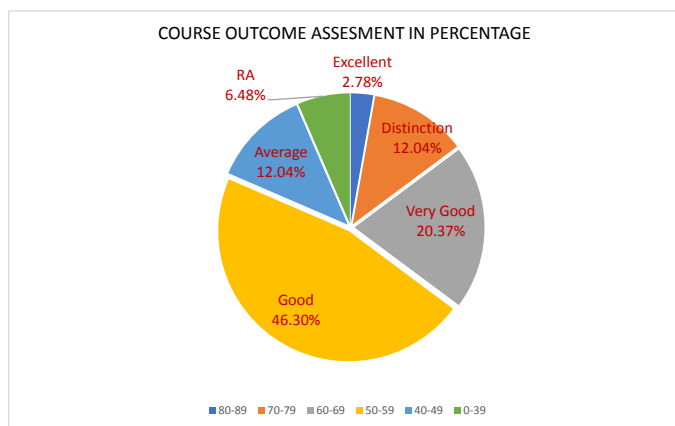
SUBJECT NAME : COMPUTER NETWORKS  
 SUBJECT CODE : 16SCCA8  
 NO.OF STUDENTS : 108

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.2
CO3	93
CO4	93.2
CO5	92.6



COURSE OUTCOME ASSESMENT		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	3	EXCELLENT
70-79	13	DISTINCTION
60-69	22	VERY GOOD
50-59	50	GOOD
40-49	13	AVERAGE
0-39	7	REAPPEAR

COURSE OUTCOME ASSESMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.78%	EXCELLENT
70-79	12.04%	DISTINCTION
60-69	20.37%	VERY GOOD
50-59	46.30%	GOOD
40-49	12.04%	AVERAGE
0-39	6.48%	REAPPEAR



### PROGRAM OUTCOME

PO1	An ability to apply knowledge of basic mathematics, science and domain knowledge to solve the computational problems
PO2	Acquire Knowledge of mathematical foundations, computer application theory and algorithm principles in the design and modeling of computer based system.
PO3	Earn caliber to design, analyze and development principles in the construction of complex hardware and software computer systems.
PO4	Ability to research, analyze and investigate complex computing problems through design of experiments, analysis and interpretation of data and synthesis of the information to arrive at valid conclusions.
PO5	Ability to work in multi-disciplinary team collaboration both as a member and leader, as per need

STAFF NAME:Ms.P.JANANI M.Sc., M.Phil.,

**COURSE - PROGRAMMING IN JAVA(16SCCA3)**

**COURSE OUTCOME**

CO1	To acquire the programming skills with java.
CO2	
CO3	To understand the concepts of multithreading.
CO4	To learn the art of GUI programming with Applet.
CO5	To learn about Database connectivity.

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	2	2	2	3	1
CO2	3	0	2	2	0
CO3	2	1	3	2	2
CO4	2	0	2	2	0
CO5	3	0	2	1	1
Average	2.4	0.6	2.2	2	0.8

**Internal Examination Mark Distribution for each Course outcome**

CO	Internal(15)	Assignment(5)	Seminar(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.NO	Name	Register Number	CO1	CO2	CO3	CO4	CO5	Total	Percentage
1	AASHA.B	CB16S 244981	4	4	4	4	4	21	84
2	ABDUL MAJEED. H	CB16S 244982	4	4	4	4	4	17	68
3	ADITHYAN. B	CB16S 244983	4	4	4	4	4	20	80
4	AJAY YADAV. J	CB16S 244984	4	4	4	4	4	19	76
5	AJITHKUMAR .V	CB16S 244985	4	4	4	4	4	18	72
6	AKASH. M	CB16S 244986	4	4	4	4	4	18	72
7	AKASHSELVAM. A	CB16S 244987	4	4	4	4	4	20	80
8	ARUN SABARI BALAJI. C	CB16S 244989	4	4	4	4	4	22	88
9	AYYAPPAN.M	CB16S 244990	4	4	4	4	4	17	68
10	BALAMURUGAN. T	CB16S 244991	4	4	4	4	4	15	60
11	DHIVAKARAN. P	CB16S 244992	4	4	4	4	4	15	60
12	DINESHKUMAR. S	CB16S 244993	4	4	4	4	4	16	64
13	EMANUVEL.G	CB16S 244994	4	4	4	4	4	15	60
14	FRANKLIN DHEVANATHAN. S .A	CB16S 244995	4	4	4	4	4	20	80
15	GAYATHRI. S	CB16S 244996	5	5	5	5	5	25	100
16	GIRITHARAM.P	CB16S 244997	3	3	3	3	3	15	60
17	GNANASEKAR. M	CB16S 244998	5	4	5	4	5	23	92
18	GOWSALYA. L	CB16S 244999	5	4	5	4	5	23	92
19	HAZAN.A	CB16S 245000	4	3	4	3	4	18	72
20	HEMASHREE. V	CB16S 245001	4	4	4	4	4	20	80
21	IMRAN. N	CB16S 245002	4	4	3	4	3	18	72
22	JABARALI. A	CB16S 245003	5	4	4	4	4	21	84
23	JAGAN NATH. G	CB16S 245004	5	5	4	4	4	22	88
24	JEEVA .A	CB16S 245005	4	3	4	3	4	18	72
25	JEEVA. M	CB16S 245006	4	4	3	4	3	18	72
26	JOELRICHARD. R	CB16S 245007	4	3	4	3	3	17	68
27	JOHN INFANT EDWIN. J	CB16S 245008	5	5	5	5	4	24	96
28	KIRUBAKARAN. G	CB16S 245009	4	4	4	3	4	19	76
29	LAKSHMANAN. S	CB16S 245010	4	3	4	3	3	17	68
30	MADHUMITHA. S	CB16S 245011	5	4	5	4	4	22	88
31	MAKIZHVANAN. D	CB16S 245012	4	3	4	4	4	19	76
32	MALAIYARASAN. G	CB16S 245013	4	4	3	4	4	19	76
33	MANIKANDAN M	CB16S 245014	4	4	4	3	3	18	72
34	MOHAMED AZARUDEEN. S	CB16S 245015	4	3	3	3	3	16	64
35	MOHAMED THAHA. A	CB16S 245016	3	3	3	3	3	15	60
36	MOHAMMED THARIQUE. M	CB16S 245017	4	3	3	3	3	16	64
37	MOHAMMEDABDULKHADER. A	CB16S 245018	4	3	4	4	4	19	76
38	MONISHA. R	CB16S 245019	5	4	5	4	5	23	92
39	MURUGANANDHAM. R	CB16S 245020	5	4	5	5	5	24	96
40	MUTHURAMAN. R	CB16S 245021	5	5	5	5	5	25	100
41	MUTHUVEL. V	CB16S 245022	5	4	5	5	5	24	96
42	NAVIN KUMAR. R	CB16S 245023	5	4	5	5	5	24	96
43	NAVINKUMAR. T	CB16S 245024	4	4	4	4	4	20	80
44	NIVETHA. N	CB16S 245025	5	4	5	5	5	24	96
45	PRABAKARAN. K	CB16S 245026	4	3	4	3	4	18	72

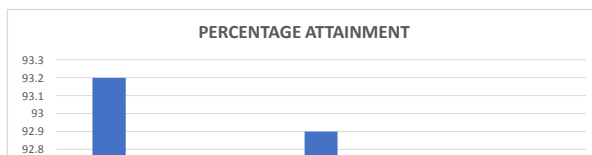
46	PRABHAKARAN. S	CB16S 245027	4	4	3	4	4	19	76
47	RAJKUMAR. K	CB16S 245029	4	3	4	3	3	17	68
48	RAMANATHAN. T S B	CB16S 245030	5	4	4	4	4	21	84
49	RASHIKA. G	CB16S 245032	5	4	5	4	5	23	92
50	SANTHOSHKUMAR. R	CB16S 245033	3	3	3	3	3	15	60
51	SATHISH. R	CB16S 245034	4	3	3	3	3	16	64
52	SELVAKUMAR. K	CB16S 245035	5	4	5	4	4	22	88
53	SIVANANDAM. P	CB16S 245037	5	4	5	4	4	22	88
54	SOWMYA. A A	CB16S 245038	5	5	5	5	5	25	100
55	SRIRAM. G	CB16S 245039	3	3	3	3	2	14	56
56	SUBASH K	CB16S 245040	3	3	3	3	3	15	60
57	SUDARSON. S.P	CB16S 245041	4	4	4	4	4	20	80
58	SWETHA. T.S	CB16S 245042	5	4	4	4	4	24	96
59	SYEDMAHABOOBHUSSAIN. S	CB16S 245043	5	5	5	5	5	25	100
60	THARANI. M	CB16S 245044	5	4	5	4	5	23	92
61	UMAR. S	CB16S 245045	5	5	5	5	5	25	100
62	AJAY. S	CB16S 245046	4	3	4	3	3	17	68
63	AJITHKUMAR. R	CB16S 245047	4	3	4	3	3	17	68
64	JARALDINPREETHI. J	CB16S 245048	5	4	5	5	5	24	96
65	KARTHIKEYAN. R	CB16S 245049	4	3	3	3	3	16	64
66	KISMATH BATCHA. S	CB16S 245050	4	4	3	4	4	19	76
67	MOHAMED SHAREEF. J	CB16S 245051	4	3	4	3	3	17	68
68	MOHAMED BAYAS. U	CB16S 245052	4	3	3	3	3	16	64
69	PREMKUMAR. M	CB16S 245053	5	4	4	4	4	21	84
70	RAJARATHINAM. G	CB16S 245054	4	4	4	3	4	19	76
71	SIVA. R	CB16S 245055	4	3	4	3	3	17	68
72	SOWMIYASHREE. S	CB16S 245056	4	3	4	4	3	18	72
73	SWETHA. S	CB16S 245057	5	4	4	4	4	21	84
74	THIRUMALAIVASAN. S	CB16S 245058	4	3	3	3	3	16	64
75	THIRUPATHI. S	CB16S 245059	3	3	3	3	3	15	60
76	UMAPATHI. G	CB16S 245060	4	4	4	3	4	19	76
77	VAIRAPPAN. R	CB16S 245061	4	3	3	3	3	16	64
78	VEERA MANI. M	CB16S 245062	3	3	2	2	2	12	48
79	VEERARAGAVAN. K	CB16S 245064	5	5	5	5	5	25	100
80	VEERASARAVANAN. E	CB16S 245065	4	4	4	3	4	19	76
81	VENKATESH. D	CB16S 245066	4	4	4	4	4	20	80
82	VIGNESH. G	CB16S 245067	3	3	2	2	2	12	48
83	VIGNESH. K	CB16S 245068	4	3	3	3	3	16	64
84	VIGNESH. R	CB16S 245069	3	3	3	3	3	15	60
85	VIGNESH. S	CB16S 245070	4	3	3	3	3	16	64
86	VIGNESHWARAN. N	CB16S 245071	4	4	4	3	4	19	76
87	VJAY. B	CB16S 245072	5	4	5	4	4	22	88
88	WILLIAMS RUBAN. M	CB16S 245073	5	4	5	4	4	22	88
89	ZAFFAR ALI. M	CB16S 245074	5	4	4	4	4	21	84
90	VIGNESHWARAN. G	CB16S 245075	5	5	5	5	4	24	96
91	RATHIKA.S	CB15S 240864	4	3	3	3	3	16	64
Average			4.230769231	3.747252747	3.967033	3.736264	3.813187		

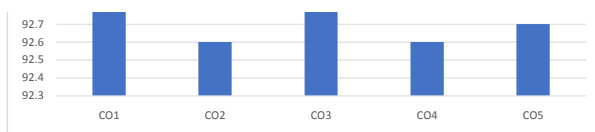
Expected Attainment in each CO - 85%

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	4.23	75	79.23	93.2
CO2	3.75	75	78.75	92.6
CO3	3.97	75	78.97	92.9
CO4	3.74	75	78.74	92.6
CO5	3.81	75	78.81	92.7

SUBJECT NAME : PROGRAMMING IN JAVA  
SUBJECT CODE : 16SCCA3  
NO.OF STUDENTS : 91

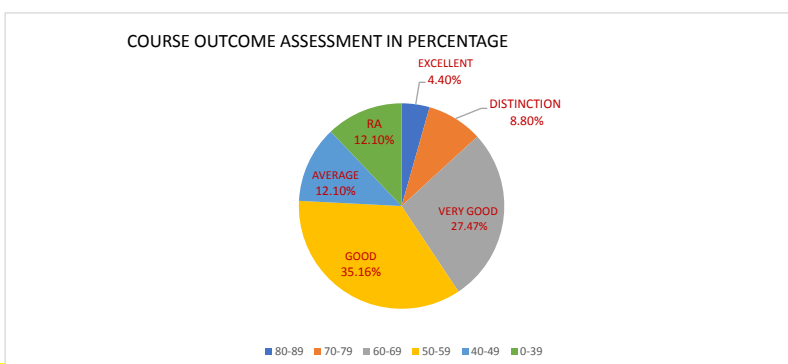
COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.20
CO2	92.6
CO3	92.90
CO4	92.60
CO5	92.7





COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	4	EXCELLENT
70-79	8	DISTINCTION
60-69	25	VERY GOOD
50-59	32	GOOD
40-49	11	AVERAGE
0-39	11	REAPPEAR

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	4.40%	EXCELLENT
70-79	8.80%	DISTINCTION
60-69	27.47%	VERY GOOD
50-59	35.16%	GOOD
40-49	12.10%	AVERAGE
0-39	12.10%	REAPPEAR



STAFF NAME: Ms.P.KAYILVIZHI M.Sc., M.Phil., B.Ed.,

## COURSE - PROGRAMMING IN PHP(16SCCA9)

### COURSE OUTCOME

CO1	To Store data in arrays
CO2	Using PHP build-in functions and creating custom functions
CO3	To create a database in PhpMyAdmin
CO4	How to receive and process Form submission data
CO5	To create images on Server.

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	3	2	1	2	1
CO2	3	1	2	2	2
CO3	2	2	1	2	2
CO4	3	2	2	2	1
CO5	2	1	2	2	2
Average	2.6	1.6	1.6	2	1.6

### Internal Examination Mark Distribution for each Course outcome

CO	Internal(15)	Assignment(5)	Seminar(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.NO	Name	Register Number	CO1	CO2	CO3	CO4	CO5	Total	Percentage
1	PRAVEEN. L	CB15S 239386	4	3	4	4	4	19	76
2	ABBAS MANDHIRI. S	CB15S 240462	4	4	3	4	4	19	76
3	ABIRAMI D	CB15S 240463	5	5	5	5	5	25	100



4	AJMALKHAN. A	CB15S 240465	4	4	4	4	4	20	80
5	AKILA. R	CB15S 240466	4	3	4	3	3	17	68
6	AKILARASAN. K	CB15S 240467	4	4	4	4	4	20	80
7	AMEER HAMJA. M	CB15S 240469	5	5	5	5	5	25	100
8	ANANDARAJ. P	CB15S 240470	5	4	4	4	4	21	84
9	ANAS MOHAMED. M	CB15S 240471	5	4	4	4	4	21	84
10	ANWARDEEN. S	CB15S 240472	4	4	4	4	4	20	80
11	ARAVINDAN. E	CB15S 240473	5	4	5	4	5	23	92
12	ARAVINTH. P	CB15S 240474	5	4	4	4	4	21	84
13	ARUL VIGNESH. A.L	CB15S 240476	4	4	4	4	4	20	80
14	ARUN. R	CB15S 240477	4	4	4	4	4	20	80
15	ASHIK AZARUDEEN. G	CB15S 240478	4	3	4	4	4	19	76
16	ASLAMKADER. I	CB15S 240479	4	4	4	4	4	20	80
17	BALAMBIGAI. R	CB15S 240480	5	5	5	5	5	25	100
18	BATHERNISHA. M	CB15S 240481	5	5	4	5	4	23	92
19	DEVI. M	CB15S 240483	4	4	4	4	4	20	80
20	DHAMODHARAN. D	CB15S 240484	4	3	4	3	4	18	72
21	DHEENADHAYALAN. B	CB15S 240485	4	4	4	4	4	20	80
22	EDWIN CHRISTOBER. Y	CB15S 240486	5	5	5	5	5	25	100
23	GABRIELRAJADURAI. T	CB15S 240487	4	3	4	3	4	18	72
24	GIRIDHARAN. D	CB15S 240488	5	5	5	5	5	25	100
25	GOKUL. K	CB15S 240489	4	3	3	3	3	16	64
26	GOPINATH. G	CB15S 240490	4	4	3	4	3	18	72
27	GUNASEKARAN. R	CB15S 240491	5	4	5	4	5	23	92
28	HARIHARAN. S	CB15S 240492	4	4	4	4	4	20	80
29	INDUMATHLM	CB15S 240493	4	3	4	4	4	19	76
30	ISMATHBASHA. S	CB15S 240494	5	5	5	5	5	25	100
31	JABAR SADIQ.M	CB15S 240495	5	4	4	4	4	21	84
32	JAYAKUMAR. S	CB15S 240496	4	3	4	3	4	18	72
33	JAYARANI. S	CB15S 240497	5	5	4	5	5	24	96
34	JAYASRI. S	CB15S 240498	5	5	5	5	5	25	100
35	JEEVANANTHAM. S	CB15S 240499	5	5	5	5	5	25	100
36	KARTHICKRAJA. M	CB15S 240500	5	5	5	5	5	25	100
37	NIGIL. M	CB15S 240501	5	4	5	4	5	23	92
38	SANTHOSH.R	CB15S 240503	4	3	4	4	4	19	76
39	SATHIYARAJ. M	CB15S 240504	4	4	4	4	4	20	80
40	SHAKITHYA. R	CB15S 240505	4	4	3	4	4	19	76
41	SOWNDARYA. S	CB15S 240506	4	3	4	3	4	18	72
42	THIRUMANL.S	CB15S 240507	4	4	4	4	4	20	80
43	VIGNESH. P 09.11.95	CB15S 240508	5	5	5	5	5	25	100
44	KOWSALYA.G 16.04.98	CB15S 240509	4	3	4	4	4	19	76
45	KARTHIKEYAN.K	CB15S 240510	5	4	5	4	4	22	88
46	KATHAIYAN. N	CB15S 240511	5	5	4	4	4	22	88
47	KATHIRVEL. K	CB15S 240512	5	4	5	4	5	23	92
48	KESAVALAL. V.J	CB15S 240513	4	3	4	3	4	18	72
49	KOUSALYA. G 06.06.98	CB15S 240514	4	4	3	4	3	18	72
50	KRISHNAKUMAR. N	CB15S 240515	4	4	4	4	4	20	80
51	MADHAN. M	CB15S 240516	5	5	5	5	5	25	100
52	MAHESWARI. E	CB15S 240517	4	3	4	4	4	19	76
53	MANIMEGALA. T	CB15S 240518	5	4	5	5	5	24	96
54	MANIVANNAN. U	CB15S 240519	4	3	4	4	4	19	76
55	MANOJKUMAR. S	CB15S 240520	5	5	5	5	5	25	100
56	MOHAMED HAJA MYDEEN. J	CB15S 240521	5	5	5	5	5	25	100
57	MOHAMED SUHAIL.MI	CB15S 240522	4	3	4	4	4	19	76
58	MOHAMEDNASEEMFAZIL. A	CB15S 240523	5	5	5	5	5	25	100
59	MUTHUKUMAR. C	CB15S 240524	3	3	3	3	3	15	60
60	NILOFER THAJ NISHA. R	CB15S 240525	4	3	4	4	4	19	76
61	NISHANTH.S	CB15S 240526	4	3	4	3	4	18	72
62	PANDIYAN. K	CB15S 240527	3	3	3	3	3	15	60
63	PAUL ZAHERIA.G	CB15S 240528	5	5	4	5	4	23	92
64	PORCHEZHIAN. M	CB15S 240529	4	4	4	4	4	20	80
65	POTHIRAJAN. G	CB15S 240530	5	5	4	5	4	23	92
66	PRAGADHY. SUSAIN. S	CB15S 240531	5	5	5	5	5	25	100
67	PRAKASAM. S	CB15S 240532	4	3	4	3	4	18	72
68	PRAKASH RAJ. G	CB15S 240533	4	3	4	4	4	19	76
69	PRATHEEP. M	CB15S 240534	4	4	4	4	4	20	80
70	PRAVEEN KUMAR. M 28.05.98	CB15S 240535	5	4	4	4	4	21	84
71	PRAVEENA.R	CB15S 240536	5	5	5	4	5	24	96
72	PRAVEENKUMAR. M 08.07.98	CB15S 240537	4	4	4	4	4	20	80
73	PRITHIVIRAJAN. J	CB15S 240538	4	3	4	4	4	19	76
74	PRIYADHARSHINI. P	CB15S 240539	5	5	4	5	5	24	96
75	PRIYANKA. P	CB15S 240540	5	5	5	5	5	25	100
76	RAJA. N	CB15S 240541	4	3	4	4	4	19	76
77	RAJA VENKATESAN.K	CB15S 240542	4	4	4	4	4	20	80
78	RAJAPPA RICHARD. B	CB15S 240543	4	4	4	4	4	20	80
79	RANJITH. R	CB15S 240544	4	3	4	4	4	19	76
80	RAMBALAJI. M	CB15S 240547	5	5	5	5	5	25	100
81	RAMKUMAR. P	CB15S 240548	5	4	4	4	4	21	84
82	SABARINATHAN.T	CB15S 240549	4	3	4	4	4	19	76
83	SABARIVASAN. B	CB15S 240550	5	5	5	5	4	24	96
84	SAGAYAMERCY. A	CB15S 240551	4	3	4	4	4	19	76
85	SAKTHIKANNAN. M	CB15S 240552	4	4	4	4	4	20	80
86	SANKARA NARAYANAN. M	CB15S 240553	5	4	4	4	4	21	84
87	SANTHOSHRAO. G	CB15S 240555	4	4	4	4	4	20	80
88	SARGUNAM. S	CB15S 240556	4	4	4	4	4	20	80
89	SATHISHKUMAR. N	CB15S 240557	4	4	4	4	4	20	80
90	SATHIYASEKAR. S	CB15S 240558	4	4	4	4	4	23	92
91	SELVAPRIYA.S	CB15S 240559	5	5	5	5	5	25	100
92	SIVA PRASANNA. E	CB15S 240560	5	5	4	4	4	22	88

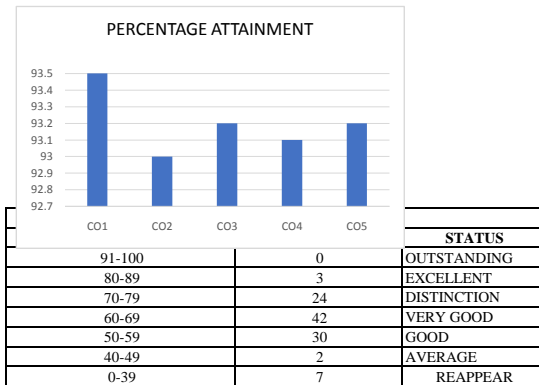
93	SIVASUBRAMANIAN. N	CB15S 240561	5	4	5	4	5	23	92
94	SIVAKUMAR. G	CB15S 240562	5	5	5	5	5	20	80
95	SOUNDARYA. A	CB15S 240563	5	4	5	4	5	23	92
96	SOWMIYA. S	CB15S 240564	5	5	4	5	4	23	92
97	SUGAPRIYA. R	CB15S 240565	5	4	5	4	4	22	88
98	SUHAIL. S.A	CB15S 240566	4	4	4	4	3	19	76
99	SUVATHI. E	CB15S 240567	5	5	5	5	5	25	100
100	SYED UMAR KADAR. R M	CB15S 240568	4	3	4	4	4	19	76
101	THASNEEM. M	CB15S 240569	4	4	4	4	4	20	80
102	VEERAKUMAR. P	CB15S 240570	5	4	4	4	4	21	84
103	VEERAMAHESWARI. L	CB15S 240571	5	4	5	4	4	22	88
104	VIGNESH. P 03.03.98	CB15S 240572	5	5	5	5	5	25	100
105	VIGNESH RAO. A	CB15S 240573	4	4	4	4	4	20	80
106	VIJAY. A	CB15S 240574	4	4	4	4	4	20	80
107	VIJAYARAGAVAN.S	CB15S 240575	5	5	5	5	5	25	100
108	VIVEK. I	CB15S 240576	4	3	4	3	4	18	72
Average			4.44	4.04	4.25	4.17	4.23		

Expected Attainment in each CO - 85%

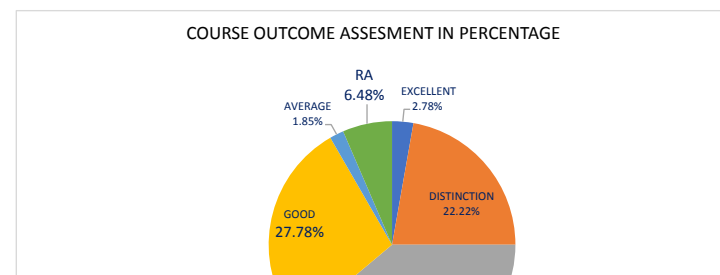
CO	Int. Exam + Assignment	End Sem	Total	%
CO1	4.44	75	79.44	93.5
CO2	4.04	75	79.04	93.0
CO3	4.25	75	79.25	93.2
CO4	4.17	75	79.17	93.1
CO5	4.23	75	79.23	93.2

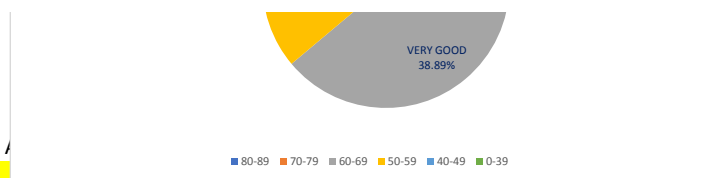
SUBJECT NAME : PROGRAMMING IN PHP  
 SUBJECT CODE : 16SCCA9  
 NO.OF STUDENTS : 108

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.50
CO2	93
CO3	93.20
CO4	93.10
CO5	93.2



CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.78%	EXCELLENT
70-79	22.22%	DISTINCTION
60-69	38.89%	VERY GOOD
50-59	27.78%	GOOD
40-49	1.85%	AVERAGE
0-39	6.48%	REAPPEAR





STAFF NAME:KAKA VAZHI M.SC., M.PHIL.,

**PROGRAM OUTCOME**

<b>PO1</b>	An ability to apply knowledge of basic mathematics, science and domain knowledge to solve the computational problems.
<b>PO2</b>	Acquire Knowledge of mathematical foundations, computer application theory and algorithm principles in the design and modeling of computer based system.
<b>PO3</b>	Earn caliber to design, analyze and development principles in the construction of complex hardware and software computer systems.
<b>PO4</b>	Ability to research, analyze and investigate complex computing problems through design of experiments, analysis and interpretation of data and synthesis of the information to arrive at valid conclusions.
<b>PO5</b>	Ability to work in multi-disciplinary team collaboration both as a member and leader, as per need

**COURSE - SOFTWARE ENGINEERING (MBECA1:1/10)**

**COURSE OUTCOME**

<b>CO1</b>	To acquire the programming skills with java.
<b>CO2</b>	Creating Technical Software evaluations.
<b>CO3</b>	To understand the concepts of multithreading.
<b>CO4</b>	To learn the art of GUI programming with Applet.
<b>CO5</b>	To learn about Database connectivity.

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	2	2	2	3	0
CO2	2	0	2	2	1
CO3	3	1	3	2	0
CO4	2	0	2	2	0
CO5	3	0	2	1	0
Average	2	0.6	2.2	2	0.2

**Internal Examination Mark Distribution for each Course outcome**

CO	Internal(15)	Assignment(5)	Seminar(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.NO	Name	Register Number	CO1	CO2	CO3	CO4	CO5	Total	Percentage
1	PRAVEEN. L	CB15S 239386	4	3	3	3	3	16	64
2	ABBAS MANDHIRI. S	CB15S 240462	4	3	4	4	4	19	76
3	ABIRAMI D	CB15S 240463	5	5	5	5	4	24	96
4	AJMALKHAN. A	CB15S 240465	4	3	4	3	4	18	72
5	AKILA. R	CB15S 240466	4	4	3	4	3	18	72
6	AKILARASAN. K	CB15S 240467	4	3	3	3	3	16	64
7	AMEER HAMJA. M	CB15S 240469	5	4	5	5	4	23	92
8	ANANDARAJ. P	CB15S 240470	3	3	3	3	3	15	60
9	ANAS MOHAMED. M	CB15S 240471	4	3	4	4	3	18	72
10	ANWARDEEN. S	CB15S 240472	4	3	3	3	3	16	64
11	ARAVINDAN. E	CB15S 240473	4	4	4	4	4	20	80
12	ARAVINTH. P	CB15S 240474	3	3	3	3	3	15	60
13	ARUL VIGNESH. A.L	CB15S 240476	4	4	4	4	4	20	80
14	ARUN. R	CB15S 240477	4	3	3	3	3	16	64
15	ASHIK AZARUDEEN. G	CB15S 240478	3	4	3	4	3	17	68
16	ASLAMKADER. I	CB15S 240479	4	3	4	3	4	18	72
17	BALAMBIGAI. R	CB15S 240480	4	5	4	5	5	23	92
18	BATHERNISHA. M	CB15S 240481	4	3	4	4	4	19	76
19	DEVI. M	CB15S 240483	3	3	2	3	3	14	56
20	DHAMODHARAN. D	CB15S 240484	3	2	3	3	3	14	56
21	DHEENADHAYALAN. B	CB15S 240485	3	3	3	3	3	15	60
22	EDWIN CHRISTOBER. Y	CB15S 240486	4	3	4	3	4	18	72
23	GABRIELRAJADURAI. T	CB15S 240487	3	2	3	2	3	13	52
24	GIRIDHARAN. D	CB15S 240488	5	5	5	5	5	25	100
25	GOKUL. K	CB15S 240489	3	3	2	2	2	12	48

26	GOPINATH. G	CB15S 240490	2	3	3	2	2	12	48
27	GUNASEKARAN. R	CB15S 240491	5	5	5	4	5	24	96
28	HARIHARAN. S	CB15S 240492	3	2	3	2	2	12	48
29	INDUMATHI. M	CB15S 240493	3	3	3	3	3	15	60
30	ISMATHBASHA. S	CB15S 240494	3	3	3	3	3	15	60
31	JABAR SADIQ. M	CB15S 240495	5	4	5	4	4	22	88
32	JAYAKUMAR. S	CB15S 240496	4	3	3	3	3	16	64
33	JAYARANI. S	CB15S 240497	4	4	4	4	4	20	80
34	JAYASRI. S	CB15S 240498	5	4	4	4	4	21	84
35	JEEVANANTHAM. S	CB15S 240499	5	5	5	5	5	25	100
36	KARTHICKRAJA. M	CB15S 240500	4	3	4	3	4	18	72
37	NIGIL. M	CB15S 240501	4	4	4	4	3	19	76
38	SANTHOSH. R	CB15S 240503	3	3	3	3	4	16	64
39	SATHIYARAJ. M	CB15S 240504	5	5	5	5	5	25	100
40	SHAKITHYA. R	CB15S 240505	4	3	3	4	3	17	68
41	SOWNDARYA. S	CB15S 240506	3	3	3	3	4	16	64
42	THIRUMANI. S	CB15S 240507	4	4	4	4	3	19	76
43	VIGNESH. P 09.11.95	CB15S 240508	5	5	5	5	5	25	100
44	KOWSALYA. G 16.04.98	CB15S 240509	4	3	3	3	3	16	64
45	KARTHIKEYAN. K	CB15S 240510	3	4	3	4	3	17	68
46	KATHAIYAN. N	CB15S 240511	4	3	4	3	4	18	72
47	KATHIRVEL. K	CB15S 240512	3	2	3	3	3	14	56
48	KESAVALAL. V. J	CB15S 240513	5	4	4	4	4	21	84
49	KOUSALYA. G 06.06.98	CB15S 240514	4	3	4	4	3	18	72
50	KRISHNAKUMAR. N	CB15S 240515	3	2	3	2	3	13	52
51	MADHAN. M	CB15S 240516	5	5	5	5	5	25	100
52	MAHESWARI. E	CB15S 240517	4	4	4	4	4	20	80
53	MANIMEGALA. T	CB15S 240518	4	3	4	4	4	19	76
54	MANIVANNAN. U	CB15S 240519	3	3	3	3	3	15	60
55	MANOJKUMAR. S	CB15S 240520	5	5	5	5	5	25	100
56	MOHAMED HAJA MYDEEN. J	CB15S 240521	4	4	3	4	4	19	76
57	MOHAMED SUHAIL. MI	CB15S 240522	4	3	4	4	3	18	72
58	MOHAMED NASEEMFAZIL. A	CB15S 240523	5	5	5	5	5	25	100
59	MUTHUKUMAR. C	CB15S 240524	4	3	3	3	3	16	64
60	NILOFER THAJ NISHA. R	CB15S 240525	4	3	4	3	3	17	68
61	NISHANTH. S	CB15S 240526	3	3	3	3	4	16	64
62	PANDIYAN. K	CB15S 240527	4	4	4	4	4	20	80
63	PAUL ZAHERIA. G	CB15S 240528	4	4	4	4	4	20	80
64	PORCHEZHIAN. M	CB15S 240529	4	3	4	4	4	19	76
65	POTHIRAJAN. G	CB15S 240530	4	4	4	4	4	20	80
66	PRAGADHY SUSAIN. S	CB15S 240531	5	5	5	5	5	25	100
67	PRAKASAM. S	CB15S 240532	3	3	2	2	2	12	48
68	PRAKASH RAJ. G	CB15S 240533	3	3	3	3	3	15	60
69	PRATHEEP. M	CB15S 240534	3	2	3	3	3	14	56
70	PRAVEEN KUMAR. M 28.05.98	CB15S 240535	3	3	2	2	2	12	48
71	PRAVEENA. R	CB15S 240536	4	3	4	3	3	17	68
72	PRAVEENKUMAR. M 08.07.98	CB15S 240537	4	4	3	4	4	19	76
73	PRITHIVIRAJAN. J	CB15S 240538	3	3	3	3	3	16	64
74	PRIYADHARSHINI. P	CB15S 240539	4	4	4	4	4	19	76
75	PRIYANKA. P	CB15S 240540	5	5	5	5	5	25	100
76	RAJA. N	CB15S 240541	4	3	3	3	3	16	64
77	RAJA VENKATESAN. K	CB15S 240542	3	3	3	3	4	16	64
78	RAJAPPA RICHARD. B	CB15S 240543	4	4	3	4	4	19	76
79	RANJITH. R	CB15S 240544	3	3	3	3	4	16	64
80	RAMBALAJI. M	CB15S 240547	5	5	5	5	5	25	100
81	RAMKUMAR. P	CB15S 240548	4	4	3	4	4	19	76
82	SABARINATHAN. T	CB15S 240549	3	3	2	2	2	12	48
83	SABARIVASAN. B	CB15S 240550	5	5	5	5	5	25	100
84	SAGAYAMERCY. A	CB15S 240551	2	2	2	2	2	10	40
85	SAKTHIKANNAN. M	CB15S 240552	3	2	3	2	3	13	52
86	SANKARA NARAYANAN. M	CB15S 240553	4	3	4	3	4	18	72
87	SANTHOSHRAO. G	CB15S 240555	3	2	3	2	3	13	52
88	SARGUNAM. S	CB15S 240556	5	4	4	4	4	21	84
89	SATHISHKUMAR. N	CB15S 240557	4	3	3	4	4	18	72
90	SATHIYASEKAR. S	CB15S 240558	5	5	5	5	5	25	100
91	SELVAPRIYA. S	CB15S 240559	5	5	5	5	4	24	96
92	SIVA PRASANNA. E	CB15S 240560	5	4	5	5	5	24	96
93	SIVASUBRAMANIAN. N	CB15S 240561	3	3	3	3	3	15	60
94	SIVAKUMAR. G	CB15S 240562	5	5	5	5	5	25	100
95	SOUNDARYA. A	CB15S 240563	4	3	4	3	4	18	72
96	SOWMIYA. S	CB15S 240564	4	4	3	4	4	19	76
97	SUGAPRIYA. R	CB15S 240565	4	4	4	4	3	19	76
98	SUHAIL. S. A	CB15S 240566	3	4	4	4	4	19	76
99	SUVATHI. E	CB15S 240567	5	5	5	5	4	24	96
100	SYED UMAR KADAR. R M	CB15S 240568	4	3	4	4	3	18	72
101	THASNEEM. M	CB15S 240569	4	3	3	3	3	16	64
102	VEERAKUMAR. P	CB15S 240570	4	3	4	4	3	18	72
103	VEERAMAHESWARI. L	CB15S 240571	4	4	3	4	4	19	76
104	VIGNESH. P 03.03.98	CB15S 240572	5	5	5	5	5	25	100
105	VIGNESH RAO. A	CB15S 240573	5	5	5	5	4	24	96
106	VIJAY. A	CB15S 240574	4	3	3	4	3	17	68
107	VIJAYARAGAVAN. S	CB15S 240575	5	5	5	5	5	25	100
108	VIVEK. I	CB15S 240576	2	2	2	2	2	10	40
109	YUSSUFDEEN. J	CB15S 240577	3	4	3	4	3	17	68
110	ARAVINTH. M	CB15S 242465	4	3	3	3	3	16	64
111	BOSCO PRABHU. A	CB15S 242476	4	3	4	3	4	18	72
112	VIVIN RAJ. S	CB15S 242531	3	3	3	3	3	15	60
		Average	3.892857143	3.535714286	3.660714	3.633929	3.625		

**COURSE ATTAINMENT FOR COMPUTER APPLICATIONS**

Expected Attainment in each CO - 85%

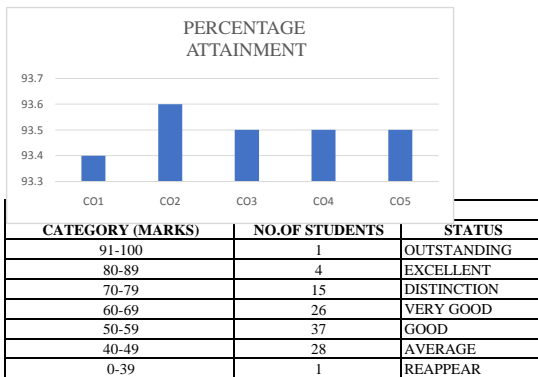
CO	Int. Exam + Assignment	End Sem	Total	%
CO1	3.89	75	78.89	92.8
CO2	3.54	75	78.54	92.4
CO3	3.66	75	78.66	92.5
CO4	3.63	75	78.63	92.5
CO5	3.63	75	78.63	92.5

SUBJECT NAME : SOFTWARE ENGINEERING

SUBJECT CODE : MBECA1:1/10

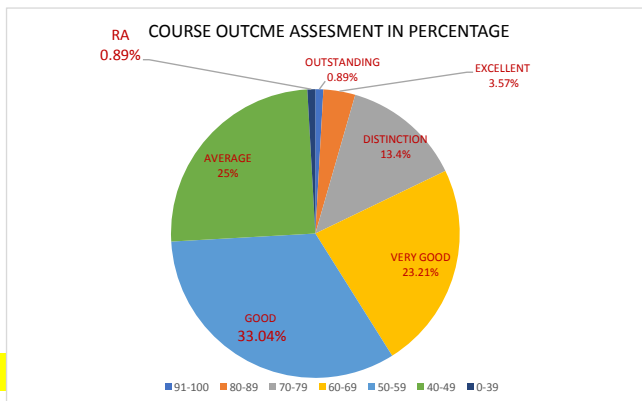
NO.OF STUDENTS : 112

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.4
CO2	93.6
CO3	93.5
CO4	93.5
CO5	93.5



CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
91-100	1	OUTSTANDING
80-89	4	EXCELLENT
70-79	15	DISTINCTION
60-69	26	VERY GOOD
50-59	37	GOOD
40-49	28	AVERAGE
0-39	1	REAPPEAR

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
91-100	0.89%	OUTSTANDING
80-89	3.57%	EXCELLENT
70-79	13.40%	DISTINCTION
60-69	23.21%	VERY GOOD
50-59	33.04%	GOOD
40-49	25%	AVERAGE
0-39	0.89%	REAPPEAR



**COURSE - MANAGEMENT INFORMATION SYSTEM(MBECA3:3/10)**

**COURSE OUTCOME**

CO1	To Store data in arrays
CO2	Understand the importance of virtualization in distributed computing and how this has enabled the development of Cloud Computing
CO3	Implement different cloud storage technologies and Service Oriented cloud systems
CO4	Understand the key security and compliance challenges of cloud computing
CO5	Choose among various cloud technologies for implementing applications

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	3	2	1	2	1
CO2	3	2	2	2	2
CO3	2	2	2	1	2
CO4	3	2	2	2	1
CO5	3	1	2	2	2
Average	2.8	1.8	1.8	1.8	1.6

**Internal Examination Mark Distribution for each Course outcome**

CO	Internal(15)	Assignment(5)	Seminar(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.NO	Name	Register Number	CO1	CO2	CO3	CO4	CO5	Total	Percentage
1	PRAVEEN. L	CB15S 239386	4	3	4	3	4	18	72
2	ABBAS MANDHIRI. S	CB15S 240462	4	4	3	4	3	18	72
3	ABIRAMI D	CB15S 240463	5	5	5	5	4	24	96
4	AJMALKHAN. A	CB15S 240465	4	3	4	4	3	18	72
5	AKILA. R	CB15S 240466	4	4	3	4	4	19	76
6	AKILARASAN. K	CB15S 240467	4	4	4	4	4	20	80
7	AMEER HAMJA. M	CB15S 240469	5	5	5	5	5	25	100
8	ANANDARAJ. P	CB15S 240470	4	4	4	4	4	20	80
9	ANAS MOHAMED. M	CB15S 240471	4	4	4	4	4	20	80
10	ANWARDEEN. S	CB15S 240472	4	3	4	4	4	19	76
11	ARAVINDAN. E	CB15S 240473	4	4	4	4	4	20	80
12	ARAVINTH. P	CB15S 240474	4	3	4	3	4	18	72
13	ARUL VIGNESH. A.L	CB15S 240476	4	4	3	4	3	18	72
14	ARUN. R	CB15S 240477	3	4	3	4	4	18	72
15	ASHIK AZARUDEEN. G	CB15S 240478	4	4	4	4	4	20	80
16	ASLAMKADER. I	CB15S 240479	4	4	4	3	4	19	76
17	BALAMBIGAL. R	CB15S 240480	5	5	5	5	5	25	100
18	BATHERNISHA. M	CB15S 240481	5	5	5	5	4	24	96
19	DEVI. M	CB15S 240483	4	3	4	3	4	18	72
20	DHAMODHARAN. D	CB15S 240484	4	3	3	3	3	16	64
21	DHEENADHAYALAN. B	CB15S 240485	5	4	4	4	4	21	84
22	EDWIN CHRISTOBER. Y	CB15S 240486	5	5	5	5	5	25	100
23	GABRIELRAJADURAL. T	CB15S 240487	4	3	4	4	4	19	76
24	GIRDHARAN. D	CB15S 240488	5	5	5	5	5	25	100
25	GOKUL. K	CB15S 240489	3	3	3	3	3	15	60
26	GOPINATH. G	CB15S 240490	4	3	3	3	3	16	64
27	GUNASEKARAN. R	CB15S 240491	4	4	4	4	4	20	80
28	HARIHARAN. S	CB15S 240492	4	3	4	3	4	18	72
29	INDUMATHI. M	CB15S 240493	4	4	3	4	3	18	72
30	ISMATHBASHA. S	CB15S 240494	5	5	5	5	4	24	96
31	JABAR SADIQ. M	CB15S 240495	5	4	5	4	4	22	88
32	JAYAKUMAR. S	CB15S 240496	4	3	3	3	3	16	64
33	JAYARANI. S	CB15S 240497	5	4	5	4	5	23	92
34	JAYASRI. S	CB15S 240498	5	5	5	5	4	24	96
35	JEEVANANTHAM. S	CB15S 240499	5	5	5	5	5	25	100
36	KARTHICKRAJA. M	CB15S 240500	5	5	5	5	5	25	100
37	NIGIL. M	CB15S 240501	4	3	4	3	4	18	72
38	SANTHOSH. R	CB15S 240503	3	3	3	3	3	15	60
39	SATHYARAJ. M	CB15S 240504	5	4	4	4	4	21	84
40	SHAKITHYA. R	CB15S 240505	4	3	4	3	4	18	72
41	SOWNDARYA. S	CB15S 240506	4	4	4	4	4	20	80
42	THIRUMANI. S	CB15S 240507	4	3	4	4	4	19	76
43	VIGNESH. P 09.11.95	CB15S 240508	5	5	5	5	5	25	100
44	KOWSALYA. G 16.04.98	CB15S 240509	4	4	3	4	3	18	72
45	KARTHIKEYAN. K	CB15S 240510	4	4	4	4	4	20	80
46	KATHAIYAN. N	CB15S 240511	4	3	4	4	4	19	76
47	KATHIRVEL. K	CB15S 240512	5	4	5	4	5	23	92
48	KESAVALAL. V.J	CB15S 240513	4	4	4	4	4	20	80
49	KOUSALYA. G 06.06.98	CB15S 240514	4	4	4	4	4	20	80
50	KRISHNAKUMAR. N	CB15S 240515	4	3	4	4	4	19	76
51	MADHAN. M	CB15S 240516	5	5	5	5	5	25	100

52	MAHESWARI.E	CB15S 240517	4	4	3	4	4	19	76
53	MANIMEGALA.T	CB15S 240518	5	4	5	5	4	23	92
54	MANIVANNAN.U	CB15S 240519	3	3	2	3	3	14	56
55	MANOJKUMAR.S	CB15S 240520	5	5	5	5	5	25	100
56	MOHAMED HAJA MYDEEN.J	CB15S 240521	5	5	5	5	5	25	100
57	MOHAMED SUHAIL.MI	CB15S 240522	4	3	4	3	4	18	72
58	MOHAMEDNASEEMFAZIL.A	CB15S 240523	5	5	5	5	5	25	100
59	MUTHUKUMAR.C	CB15S 240524	3	3	3	3	3	15	60
60	NILOFER THAJ NISHA.R	CB15S 240525	4	3	3	3	3	16	64
61	NISHANTH.S	CB15S 240526	4	4	3	3	4	18	72
62	PANDIYAN.K	CB15S 240527	4	3	3	3	3	16	64
63	PAUL ZAHERIA.G	CB15S 240528	4	4	4	4	4	20	80
64	PORCHEZHIAN.M	CB15S 240529	3	4	4	4	4	19	76
65	POTHIRAJAN.G	CB15S 240530	4	3	4	4	4	19	76
66	PRAGADHY SUSAIN.S	CB15S 240531	5	5	5	5	5	25	100
67	PRAKASAM.S	CB15S 240532	3	3	3	3	3	15	60
68	PRAKASH RAJ.G	CB15S 240533	4	3	4	3	3	17	68
69	PRATHEEP.M	CB15S 240534	4	4	3	4	4	19	76
70	PRAVEEN KUMAR.M 28.05.98	CB15S 240535	4	4	4	4	4	20	80
71	PRAVEENA.R	CB15S 240536	5	4	5	4	5	23	92
72	PRAVEENKUMAR.M 08.07.98	CB15S 240537	4	5	4	5	4	22	88
73	PRITHIVIRAJAN.J	CB15S 240538	4	3	4	3	4	18	72
74	PRIYADHARSHINI.P	CB15S 240539	5	4	4	4	4	21	84
75	PRIYANKA.P	CB15S 240540	5	5	5	5	5	25	100
76	RAJA.N	CB15S 240541	3	3	3	3	3	15	60
77	RAJA VENKATESAN.K	CB15S 240542	4	4	4	4	4	20	80
78	RAJAPPA RICHARD.B	CB15S 240543	4	4	3	4	4	19	76
79	RANJITH.R	CB15S 240544	3	3	3	3	4	16	64
80	RAMBALAJI.M	CB15S 240547	5	5	5	5	5	25	100
81	RAMKUMAR.P	CB15S 240548	4	4	4	4	4	20	80
82	SABARINATHAN.T	CB15S 240549	4	3	4	3	3	17	68
83	SABARIVASAN.B	CB15S 240550	5	5	5	5	4	24	96
84	SAGAYAMERCY.A	CB15S 240551	4	3	4	3	4	18	72
85	SAKTHIKANNAN.M	CB15S 240552	4	4	4	4	3	19	76
86	SANKARA NARAYANAN.M	CB15S 240553	5	4	5	5	4	23	92
87	SANTHOSHRAO.G	CB15S 240555	3	4	4	4	4	19	76
88	SARGUNAM.S	CB15S 240556	4	4	3	4	3	18	72
89	SATHISHKUMAR.N	CB15S 240557	5	4	5	4	5	23	92
90	SATHIYASEKAR.S	CB15S 240558	5	5	5	5	4	24	96
91	SELVAPRIYA.S	CB15S 240559	5	5	5	5	5	25	100
92	SIVA PRASANNA.E	CB15S 240560	4	5	4	5	5	23	92
93	SIVASUBRAMANIAN.N	CB15S 240561	4	4	4	4	4	20	80
94	SIVAKUMAR.G	CB15S 240562	5	5	5	5	4	24	96
95	SOUNDARYA.A	CB15S 240563	4	5	5	5	5	24	96
96	SOWMIYA.S	CB15S 240564	5	4	5	4	4	22	88
97	SUGAPRIYA.R	CB15S 240565	4	4	4	4	4	20	80
98	SUHAIL.S.A	CB15S 240566	4	3	4	4	3	18	72
99	SUVATHI.E	CB15S 240567	5	5	5	5	5	25	100
100	SYED UMAR KADAR.R M	CB15S 240568	4	4	3	4	4	19	76
101	THASNEEM.M	CB15S 240569	4	4	4	4	4	20	80
102	VEERAKUMAR.P	CB15S 240570	5	5	4	4	4	22	88
103	VEERAMAHESWARI.L	CB15S 240571	4	3	4	4	4	19	76
104	VIGNESH.P 03.03.98	CB15S 240572	5	5	5	5	5	25	100
105	VIGNESH RAO.A	CB15S 240573	4	4	4	4	4	20	80
106	VIJAY.A	CB15S 240574	4	4	3	4	4	19	76
107	VIJAYARAGAVAN.S	CB15S 240575	5	5	5	5	5	25	100
108	VIVEK.I	CB15S 240576	4	4	4	3	4	19	76
		Average	4.25	3.972222222	4.074074	4.037037	4.027778		

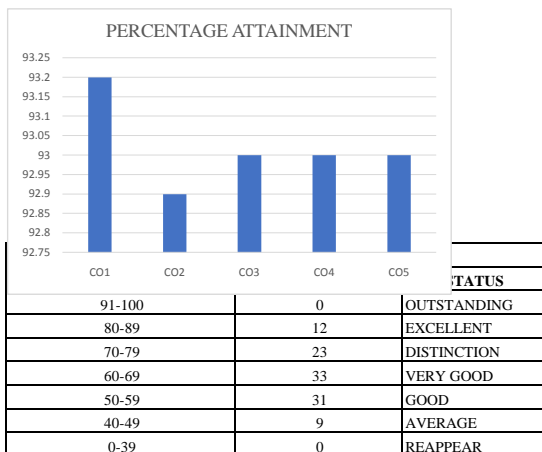
#### COURSE ATTAINMENT FOR COMPUTER APPLICATIONS

Expected Attainment in each CO - 85%

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	4.25	75	79.25	93.2
CO2	3.97	75	78.97	92.9
CO3	4.07	75	79.07	93.0
CO4	4.03	75	79.03	93.0
CO5	4.03	75	79.03	93.0

SUBJECT NAME : MANAGEMENT INFORMATION SYSTEM  
SUBJECT CODE : MBECA3:3/10  
NO.OF STUDENTS : 108

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	92.9
CO3	93
CO4	93
CO5	93



COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	11.11%	EXCELLENT
70-79	21.30%	DISTINCTION
60-69	30.56%	VERY GOOD
50-59	28.70%	GOOD
40-49	8.33%	AVERAGE

**PROGRAM OUTCOME FOR PRACTICAL**

<b>PO1</b>	An ability to apply knowledge of basic mathematics, science and domain knowledge to solve the computational problems.
<b>PO2</b>	Acquire Knowledge of mathematical foundations, computer application theory and algorithm principles in the design and modeling of computer based system.
<b>PO3</b>	Earn caliber to design, analyze and development principles in the construction of complex hardware and software computer systems.
<b>PO4</b>	Ability to research, analyze and investigate complex computing problems through design of experiments, analysis and interpretation of data and synthesis of the information to arrive at valid conclusions.
<b>PO5</b>	Ability to work in multi-disciplinary team collaboration both as a member and leader, as per need

**STAFF NAME:** :Ms.P.JANANI M.Sc., M.Phil.,

**PROGRAMMING IN C (RCCS10CA1P)**

**COURSE OUTCOME**

<b>CO1</b>	Develop programming skills using the fundamentals and basics of C Language
<b>CO2</b>	Develop programs using the basic elements like control statements, Arrays and Strings
<b>CO3</b>	Enable effective usage of arrays, structures and unions
<b>CO4</b>	Understanding the concepts of functions and pointers
<b>CO5</b>	Implement files and understanding various file modes.

**STAFF NAME:**Ms.S.SARANYA M.Sc., M.Phil.,

**COMPUTER GRAPHICA AND ANIMATION LAB (RCCS11CA2P)**

**COURSE OUTCOME**

<b>CO1</b>	Use the basic tools found in Adobe Photoshop to Understand image editing and graphic design features
<b>CO2</b>	Enable to know about work with images in different file formats
<b>CO3</b>	Understanding to Develop a commercial brochure
<b>CO4</b>	Enable to do Basic Drawing and Painting in flash
<b>CO5</b>	Understanding about Animation and to Know First movement of animation

**STAFF NAME:** Mrs.S.RATHIKA M.Sc.,M.Phil.,

**PROGRAMMING IN JAVA LAB(RCCSCA2P)**

**COURSE OUTCOME**

<b>CO1</b>	Using Graphics, Animations and Multithreading for designing Simulation and Game based applications.
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CO2	Design and develop GUI applications using Abstract Windowing Toolkit (AWT), Swing and Event Handling.
CO3	Design and develop Web applications.
CO4	Designing Enterprise based applications by encapsulating an application's business logic.
CO5	Designing applications using pre-built frameworks.

STAFF NAME:Ms.S.KARTHIKA M.Sc., M.Phil.,

**PROGRAMMING IN ASP LAB(RCCS10CA4P)  
COURSE OUTCOME**

CO1	Create user interactive web pages using ASP.Net.
CO2	Create simple data binding applications using ADO.Net connectivity
CO3	Performing Database operations for Windows Form and web applications.
CO4	Creating website using ASP.Net Controls.
CO5	Build and debug well-formed Web Forms with ASP. NET Controls

STAFF NAME:Ms.P.KAYILVIZHI M.Sc., M.Phil., B.Ed.,

**DATABASE SYSTEMS LAB(RCCS10CA5P)  
COURSE OUTCOME**

CO1	Transform an information model into a relational database schema and to use a data definition language and/or utilities to implement the schema using a DBMS.
CO2	Use an SQL interface of a multi-user relational DBMS package to create, secure, populate, maintain, and query a database.
CO3	Formulate query, using SQL, solutions to a broad range of query and data update problems.
CO4	Use a desktop database package to create, populate, maintain, and query a database.
CO5	Analyze an information storage problem and derive an information model expressed in the form.

STAFF NAME: Ms.S.SARANYA M.Sc., M.Phil.,

**PROGRAMMING IN PHP LAB(RCCS10CA6P)  
COURSE OUTCOME**

CO1	Use PHP to create a data driven website.
CO2	Use PHP to read a file and add records to the database.
CO3	Create a form on a webpage and use PHP to check the validity of the form.
CO4	Use built-in features of PHP such as data and string manipulation.
CO5	Test and debug PHP scripts while working with live data.

STAFF NAME:Ms.P.KAYILVIZHI M.Sc., M.Phil., B.Ed.,

**MINI PROJECT (MBE10CAPW)  
COURSE OUTCOME**

CO1	Understand the basics of programming and able to interpret real world problems into software solutions
CO2	Practical application of theoretical knowledge gained in order to develop real time software applications
CO3	Identify and formulate the problem, Analyse the problem and collect necessary data.
CO4	Enable to Design and develop the project using appropriate software by applying the programming skills
CO5	Understanding to Implement, evaluate and generate reports.

  
 PRINCIPAL