



GANESH COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
 Attur Main Road, Mettupatti, Salem - 636 111, Tamilnadu, India
 Phone: 0427 - 2211212, +91 9865440414
 E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, natural sciences, and engineering sciences.
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

Course Name : SURVEYING AND LEVELLING

COURSE OUTCOME

CO1	Introduce the rudiments of various surveying and its principles.
CO2	Imparts knowledge in computation of levels of terrain and ground features
CO3	Imparts concepts of Theodolite Surveying for complex surveying operations
CO4	Understand the procedure for establishing horizontal and vertical control
CO5	Imparts the knowledge on modern surveying instruments

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	4	3	4	4	4
CO2	4	4	4	4	4
CO3	4	3	3	4	4
CO4	4	2	4	4	3
CO5	4	2	3	4	4
Average	4	2.8	3.6	4	3.8

Internal Examination Mark Distribution for each Course outcome

CO	Internal	seminar	Assignment
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	REG.NO	Name	CO1	CO2	CO3	CO4	CO5	Total	Average%
1	620622103001	ANANTH T	4	5	5	5	5	24	96
2	620622103002	ASHIQUEBAHSA K	3	5	5	5	5	23	92
3	620622103003	BHAVATHARANI P	5	3	3	5	5	21	84
4	620622103301	TAI LAPANG	5	3	3	5	5	21	84
		Average	4.25	4.00	4.00	5.00	5.00		

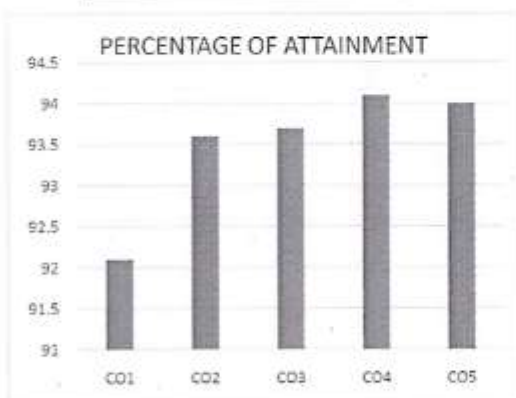
Expected Attainment in each CO - 85%

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	3.25	75	78.25	92.1
CO2	4.55	75	79.55	93.6
CO3	4.65	75	79.65	93.7
CO4	4.95	75	79.95	94.1
CO5	4.9	75	79.9	94.0

COURSE ATTAINMENT FOR B.E CIVIL ENGINEERING

SUBJECT NAME: SURVEYING AND LEVELLING
 SUBJECT CODE: CE3351
 NO. OF STUDENTS: 4

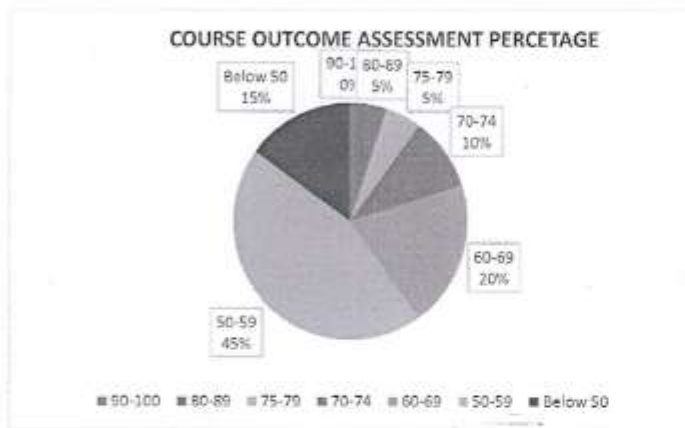
COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	92.1
CO2	93.6
CO3	93.7
CO4	94.1
CO5	94




COURSE OUTCOME		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	1	EXCELLENT
75-79	1	DISTINCTION
70-74	1	VERY GOOD
60-69	1	GOOD
50-59	0	AVERAGE
0-49	0	REAPPEAR



COURSE OUTCOME		
CATEGORY (MARKS)	PERCENTAGE %	STATUS
90-100	0	OUTSTANDING
80-89	25	EXCELLENT
75-79	25	DISTINCTION
70-74	25	VERY GOOD
60-69	25	GOOD
50-59	0	AVERAGE
Below 50	0	REAPPEAR




PRINCIPAL
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PROGRAM OUTCOME - B.TECHINFORMATION TECHNOLOGY

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

COURSE : COURSE OUTCOME:

CO1	Understand the various stacks available for web application development
CO2	Use Node.js for application development
CO3	Develop applications with MongoDB
CO4	Use the features of Angular and Express
CO5	Develop React applications

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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



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SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	620622205001	AARTH.R	4	4	4	4	5	21	84
2	620622205002	ALEX.V	4	4	4	4	4	20	80
3	620622205004	ARUNPRASATH.A	4	4	4	4	4	20	80
4	620622205005	ATHSIVAN.C	5	5	5	5	3	23	92
5	620622205006	CHATHRAPATHI.T	4	4	4	4	4	20	80
6	620622205007	DEEPIKA.K	4	4	4	5	4	21	84
7	620622205008	DEVAKUMAR.S	4	4	4	5	4	21	84
8	620622205009	DHANUSH.V	4	4	4	4	4	20	80
9	620622205010	DHANUSHRAJ.K	4	4	4	4	4	20	80
10	620622205012	ELAKKIYA.E	4	4	4	4	4	20	80
11	620622205013	ELLAIYAPERUMAL.A	4	4	4	4	4	20	80
12	620622205014	GOKULRAJ.V	4	4	4	4	4	20	80
13	620622205015	GOPINATH.B	5	4	4	4	4	21	84
14	620622205016	GUNAL.R	4	4	4	4	4	20	80
15	620622205017	JAGADEESH.A	4	4	4	4	4	20	80
16	620622205018	KARTHICK.N	4	4	4	5	4	21	84
17	620622205020	LAVANYA.D	4	4	4	5	4	21	84
18	620622205021	LINGESH.V	4	4	4	4	4	20	80
19	620622205022	MAHALAKSHMI.K	4	4	4	4	4	20	80
20	620622205023	MANIKANDAN.M	5	5	5	5	3	23	92
21	620622205024	MANOHARAN.K	4	4	4	4	5	21	84
22	620622205025	MANUSVHINI.S	5	5	5	5	3	23	92
23	620622205027	NISHA.U	5	5	5	5	3	23	92
24	620622205028	NITHISHA.B	4	4	4	4	4	20	80
25	620622205029	PACHAYAPPAN.M	4	4	4	4	4	20	80
26	620622205030	PRADEEP.B	5	4	4	4	4	21	84
27	620622205031	PRAVIN.A	4	4	4	4	4	20	80
28	620622205032	PREETHI.A.K	4	4	4	4	4	20	80
29	620622205033	PURUSOTHAMAN.S	4	4	4	5	4	21	84
30	620622205034	RADHAKRISHNAN.N	4	4	4	5	4	21	84
31	620622205035	RAHUL.S.V	4	4	4	4	4	20	80
32	620622205037	RAMKUMAR.M	4	4	4	4	4	20	80
33	620622205038	ROHINI.K	5	5	5	5	3	23	92
34	620622205039	SABARISH.B	4	4	4	4	5	21	84
35	620622205040	SACHIN.S	4	4	4	4	4	20	80
36	620622205041	SAKTHIVEL.E	4	4	4	4	4	20	80
37	620622205042	SANGARESHWARAN.K	4	4	4	5	4	21	84
38	620622205043	SANJAY.K	4	4	4	5	4	21	84
39	620622205045	SARMILA.P	4	4	4	4	4	20	80
40	620622205046	SIVA.S	4	4	4	4	4	20	80
41	620622205048	SIVAGURU.S	5	5	5	5	3	23	92
42	620622205049	SRIRAM.T	4	4	4	4	5	21	84
43	620622205050	THAMILSELVAN.T	5	5	5	5	3	23	92
44	620622205051	VASANTH.M	4	4	4	5	4	21	84
45	620622205052	VETRIVEL.P	4	4	4	4	4	20	80
46	620622205053	VIGNESH.K	4	4	4	4	4	20	80
47	620622205054	VUAY.V	5	5	5	5	3	23	92
48	620622205055	VINOSRI.R	4	4	4	4	5	21	84
49	620622205056	VINOTHINI.R	5	5	5	5	3	23	92
50	2261170217	MUTHUVEL.M	5	5	5	5	3	23	92
AVERAGE			4.217	4.174	4.174	4.348	3.913		



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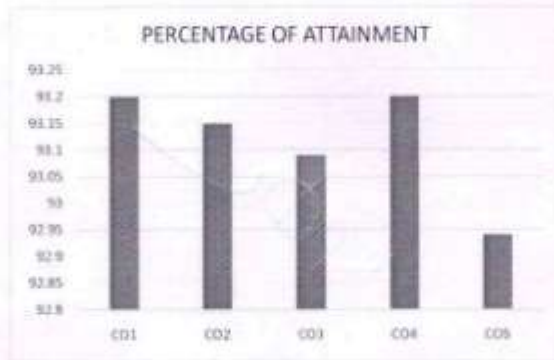
EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.18	75	79.18	93.15294
CO3	4.13	75	79.13	93.09412
CO4	4.22	75	79.22	93.2
CO5	4	75	79	92.94118

COURSE ATTAINMENT FOR B.TECHLIT

SUBJECT NAME: Full Stack Web Development
 SUBJECT CODE: IT3501
 NO. OF STUDENTS: 50

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.15
CO3	93.09
CO4	93.2
CO5	92.94



COURSE ATTAINMENT FOR B.TECHLIT

SUBJECT NAME: Full Stack Web Development
 SUBJECT CODE: IT3501
 NO. OF STUDENTS: 50

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO. OF STUDENTS	STATUS
90 & ABOVE	0	OUTSTANDING
80 - 89	1	EXCELLENT
70 - 79	9	DISTINCTION
60 - 69	12	VERY GOOD
50 - 59	11	GOOD
40 - 49	4	AVERAGE
BELOW 40	10	RA

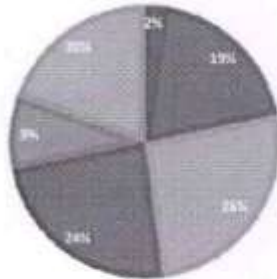


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COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.12%	EXCELLENT
70-79	19.14%	DISTINCTION
60-69	25.53%	VERY GOOD
50-59	23.40%	GOOD
40-49	8.51%	AVERAGE
BELOW 40	19.14%	RA

PERCENTAGE

■ 80-89 ■ 70-79 ■ 60-69 ■ 50-59 ■ 40-49 ■ BELOW 40



N. The

STAFF INCHARGE

COB

HOD

(Signature)

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PROGRAM OUTCOME B.TECH INFORMATION TECHNOLOGY

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COURSE : COURSE OUTCOME:

CO1	Explain the basic layers and its functions in computer networks.
CO2	Understand the basics of how data flows from one node to another.
CO3	Analyze routing algorithms.
CO4	Describe protocols for various functions in the network
CO5	Analyze the working of various application layer protocols.

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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



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1	620622205001	AARTH.R	4	4	4	4	5	21	84
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23	620622205027	NISHA.U	5	5	5	5	3	23	92
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42	620622205049	SRIRAM.T	4	4	4	4	5	21	84
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45	620622205052	VETRIVEL.P	4	4	4	5	4	21	84
46	620622205053	VIGNESH.K	4	4	4	5	4	21	84
47	620622205054	VIJAY.V	4	4	4	4	4	20	80
48	620622205055	VINOSRI.R	4	4	4	4	4	20	80
49	620622205056	VINOTHINLR	5	5	5	5	3	23	92
50	2261170217	MUTHUVEL.M	4	4	4	4	5	21	84
AVERAGE			4.217	4.174	4.174	4.348	3.913		



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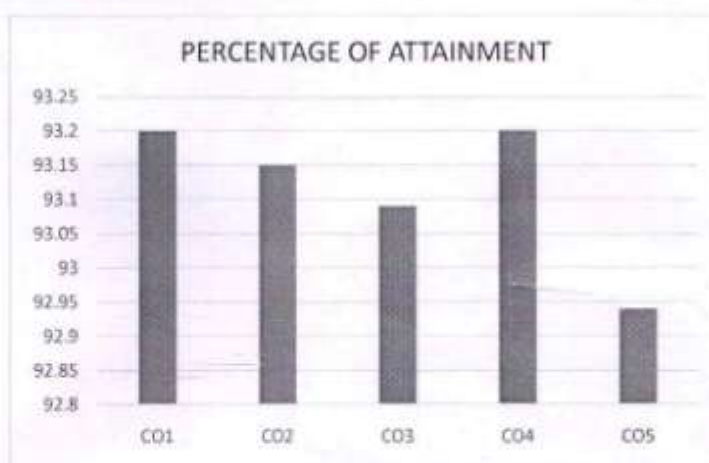
EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.18	75	79.18	93.15294
CO3	4.13	75	79.13	93.09412
CO4	4.22	75	79.22	93.2
CO5	4	75	79	92.94118

COURSE ATTAINMENT FOR B.TECH.IT

SUBJECT NAME: Computer networks
 SUBJECT CODE: CS3591
 NO. OF STUDENTS: 50

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.15
CO3	93.09
CO4	93.2
CO5	92.94



COURSE ATTAINMENT FOR B.Tech.IT

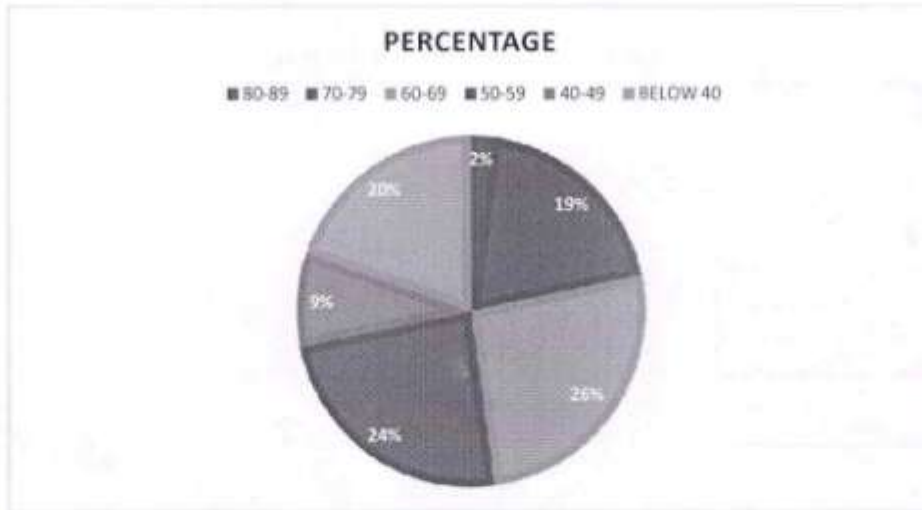
SUBJECT NAME: Computer Networks
 SUBJECT CODE: CS3591
 NO. OF STUDENTS: 50

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO. OF STUDENTS	STATUS
90 & ABOVE	0	OUTSTANDING
80 - 89	1	EXCELLENT
70 - 79	9	DISTINCTION
60 - 69	12	VERY GOOD
50 - 59	11	GOOD
40 - 49	4	AVERAGE
BELOW 40	10	RA



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COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.12%	EXCELLENT
70-79	19.14%	DISTINCTION
60-69	25.53%	VERY GOOD
50-59	23.40%	GOOD
40-49	8.51%	AVERAGE
BELOW 40	19.14%	RA



N. Jhu

STAFF INCHARGE

[Signature]

HOD

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PROGRAM OUTCOME B.TECH-ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

COURSE : COURSE OUTCOME:

CO1	Explain the basic concepts of machine learning.
CO2	Construct supervised learning models.
CO3	Construct unsupervised learning algorithms.
CO4	Evaluate and compare different models.
CO5	Evaluate the algorithms based on corresponding metrics identified.

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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



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SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	620622243001	AAKASH P R	4	4	4	4	5	21	84
2	620622243002	ABHISHEKH PRASANNA M	4	4	4	4	4	20	80
3	620622243003	AJITH P	4	4	4	4	4	20	80
4	620622243004	AKALYA K	5	5	5	5	3	23	92
5	620622243005	AMSAVALLI A	4	4	4	4	4	20	80
6	620622243006	ANJALI R	4	4	4	5	4	21	84
7	620622243007	ARAVINTH KUMAR M	4	4	4	5	4	21	84
8	620622243008	ARJUN Y	4	4	4	4	4	20	80
9	620622243009	DHARANIDHARAN K	4	4	4	4	4	20	80
10	620622243010	GAYATHRI S	4	4	4	4	4	20	80
11	620622243011	GOKUL B	4	4	4	4	4	20	80
12	620622243012	GOKULMANIKKAM P	4	4	4	4	4	20	80
13	620622243013	GOPIKA A	5	4	4	4	4	21	84
14	620622243014	GOPIKA S	4	4	4	4	4	20	80
15	620622243015	GOPINATH R	4	4	4	4	4	20	80
16	620622243016	GOWRI SHANKAR M	4	4	4	5	4	21	84
17	620622243017	HARI M	4	4	4	5	4	21	84
18	620622243018	HEMANTH T	4	4	4	4	4	20	80
19	620622243019	JAGADEESH S	4	4	4	4	4	20	80
20	620622243021	KARTHICK A K	5	5	5	5	3	23	92
21	620622243022	KIRUTHIGA M	4	4	4	4	5	21	84
22	620622243023	MAHALAKSHMI S	5	5	5	5	3	23	92
23	620622243024	MANIKANDAN M	5	5	5	5	3	23	92
24	620622243025	MANIKANDAN N	4	4	4	4	4	20	80
25	620622243026	MUGANESHWARAN K	4	4	4	4	4	20	80
26	620622243027	MUKESH RAJ M	5	4	4	4	4	21	84
27	620622243028	NANDHINI Y	4	4	4	4	4	20	80
28	620622243029	NISHANTH S	4	4	4	4	4	20	80
29	620622243030	PARTHASARATHY A R	4	4	4	5	4	21	84
30	620622243031	RAGAVAN S	4	4	4	5	4	21	84
31	620622243032	RAJENDHIRAN S	4	4	4	4	4	20	80
32	620622243033	RAMESH K	4	4	4	4	4	20	80
33	620622243034	SANDHIYA D	5	5	5	5	3	23	92
34	620622243035	SANJAY M	4	4	4	4	5	21	84
35	620622243037	SATHISHKUMAR G	4	4	4	4	4	20	80
36	620622243038	SHANMUGAPRIYA S	4	4	4	4	4	20	80
37	620622243039	SOUNDHIRAPANDIAN S	4	4	4	5	4	21	84
38	620622243040	SURYA MOORTHY K	4	4	4	5	4	21	84
39	620622243041	THARUNVISHAL K	4	4	4	4	4	20	80
40	620622243042	VIJAY G	4	4	4	4	4	20	80
41	620622243043	VIJAYABALAN B	5	5	5	5	3	23	92
42	620622243044	VISHVA D	4	4	4	4	5	21	84
43	620622243045	ASIF BASHA K	5	5	5	5	3	23	92
44	620622243046	LOGAVANANAN N	5	5	5	5	3	23	92
AVERAGE			4.217	4.174	4.174	4.348	3.913		



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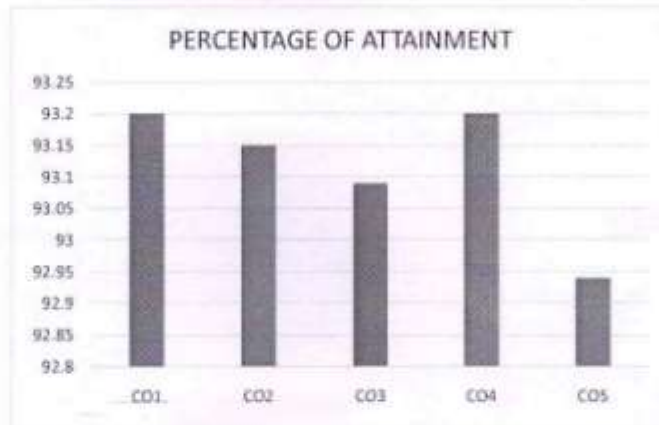
EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.18	75	79.18	93.15294
CO3	4.13	75	79.13	93.09412
CO4	4.22	75	79.22	93.2
CO5	4	75	79	92.94118

COURSE ATTAINMENT FOR B.TECH IAI&DS

SUBJECT NAME: Machine Learning
 SUBJECT CODE: ALJ45I
 NO. OF STUDENTS: 44

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.15
CO3	93.09
CO4	93.2
CO5	92.94



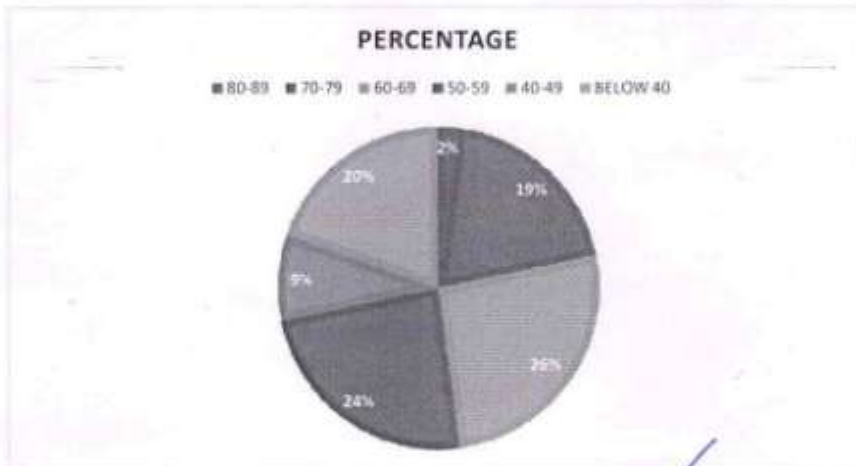

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COURSE ATTAINMENT FOR B.Tech.AI&DS

SUBJECT NAME: Machine Learning
 SUBJECT CODE: AI3451
 NO. OF STUDENTS: 44

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO. OF STUDENTS	STATUS
90 & ABOVE	0	OUTSTANDING
80 - 89	1	EXCELLENT
70 - 79	9	DISTINCTION
60 - 69	12	VERY GOOD
50 - 59	11	GOOD
40 - 49	4	AVERAGE
BELOW 40	10	RA

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.12%	EXCELLENT
70-79	19.14%	DISTINCTION
60-69	25.53%	VERY GOOD
50-59	23.40%	GOOD
40-49	8.51%	AVERAGE
BELOW 40	19.14%	RA



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 Phone: 0427 - 2211212, +91 9865440414
 E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

PROGRAM OUTCOME B.TECH ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

COURSE : COURSE OUTCOME:

CO1	Explain the data analytics pipeline
CO2	Describe and visualize data
CO3	Perform statistical inferences from data
CO4	Analyze the variance in the data
CO5	Build models for predictive analytics

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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



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SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	620622243001	AAKASH P R	4	4	4	4	5	21	84
2	620622243002	ABHISHEKH PRASANNA M	4	4	4	4	4	20	80
3	620622243003	AJITH P	4	4	4	4	4	20	80
4	620622243004	AKALYA K	5	5	5	5	3	23	92
5	620622243005	AMSAVALLI A	4	4	4	4	4	20	80
6	620622243006	ANJALI R	4	4	4	5	4	21	84
7	620622243007	ARAVINTH KUMAR M	4	4	4	5	4	21	84
8	620622243008	ARJUN Y	4	4	4	4	4	20	80
9	620622243009	DHARANIDHARAN K	4	4	4	4	4	20	80
10	620622243010	GAYATHRI S	4	4	4	4	4	20	80
11	620622243011	GOKUL B	4	4	4	4	4	20	80
12	620622243012	GOKULMANIKKAM P	4	4	4	4	4	20	80
13	620622243013	GOPIKA A	5	4	4	4	4	21	84
14	620622243014	GOPIKA S	4	4	4	4	4	20	80
15	620622243015	GOPINATH R	4	4	4	4	4	20	80
16	620622243016	GOWRI SHANKAR M	4	4	4	5	4	21	84
17	620622243017	HARI M	4	4	4	5	4	21	84
18	620622243018	HEMANTH T	4	4	4	4	4	20	80
19	620622243019	JAGADEESH S	4	4	4	4	4	20	80
20	620622243021	KARTHICK A K	5	5	5	5	3	23	92
21	620622243022	KIRUTHIGA M	4	4	4	4	5	21	84
22	620622243023	MAHALAKSHMI S	5	5	5	5	3	23	92
23	620622243024	MANIKANDAN M	5	5	5	5	3	23	92
24	620622243025	MANIKANDAN N	4	4	4	4	4	20	80
25	620622243026	MUGANESHWARAN K	4	4	4	4	4	20	80
26	620622243027	MUKESH RAJ M	5	4	4	4	4	21	84
27	620622243028	NANDHINI Y	4	4	4	4	4	20	80
28	620622243029	NISHANTH S	4	4	4	4	4	20	80
29	620622243030	PARTHASARATHY A R	4	4	4	5	4	21	84
30	620622243031	RAGAVAN S	4	4	4	5	4	21	84
31	620622243032	RAJENDHIRAN S	4	4	4	4	4	20	80
32	620622243033	RAMESH K	4	4	4	4	4	20	80
33	620622243034	SANDHIYA D	5	5	5	5	3	23	92
34	620622243035	SANJAY M	4	4	4	4	5	21	84
35	620622243037	SATHISHKUMAR G	4	4	4	4	4	20	80
36	620622243038	SHANMUGAPRIYA S	4	4	4	4	4	20	80
37	620622243039	SOUNDHIRAPANDIAN S	4	4	4	5	4	21	84
38	620622243040	SURYA MOORTHY K	4	4	4	5	4	21	84
39	620622243041	THARUNVISHAL K	4	4	4	4	4	20	80
40	620622243042	VIJAY G	4	4	4	4	4	20	80
41	620622243043	VIJAYABALAN B	5	5	5	5	3	23	92
42	620622243044	VISHVA D	4	4	4	4	5	21	84
43	620622243045	ASIF BASHA K	5	5	5	5	3	23	92
44	620622243046	LOGAVANANAN N	5	5	5	5	3	23	92
AVERAGE			4.217	4.174	4.174	4.348	3.913		



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EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.18	75	79.18	93.15294
CO3	4.13	75	79.13	93.09412
CO4	4.22	75	79.22	93.2
CO5	4	75	79	92.94118

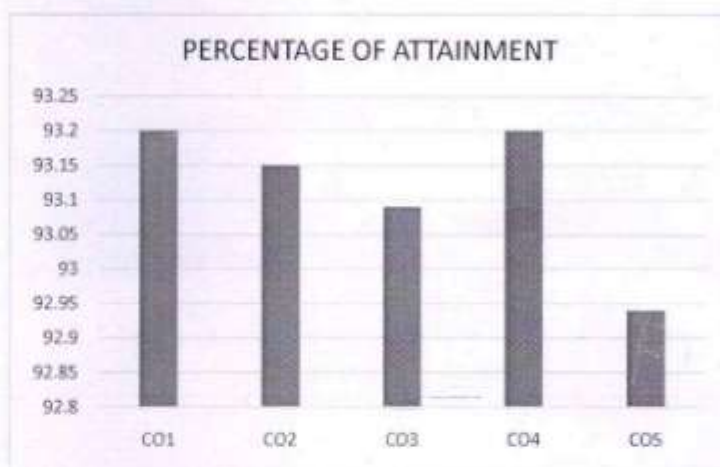
COURSE ATTAINMENT FOR B.TECH.AI&DS

SUBJECT NAME: Fundamentals of data science and analytics

SUBJECT CODE: AD3491

NO. OF STUDENTS: 44

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.15
CO3	93.09
CO4	93.2
CO5	92.94



COURSE ATTAINMENT FOR B.Tech.AI&DS

SUBJECT NAME: Fundamentals of data science and analytics

SUBJECT CODE: AD3491

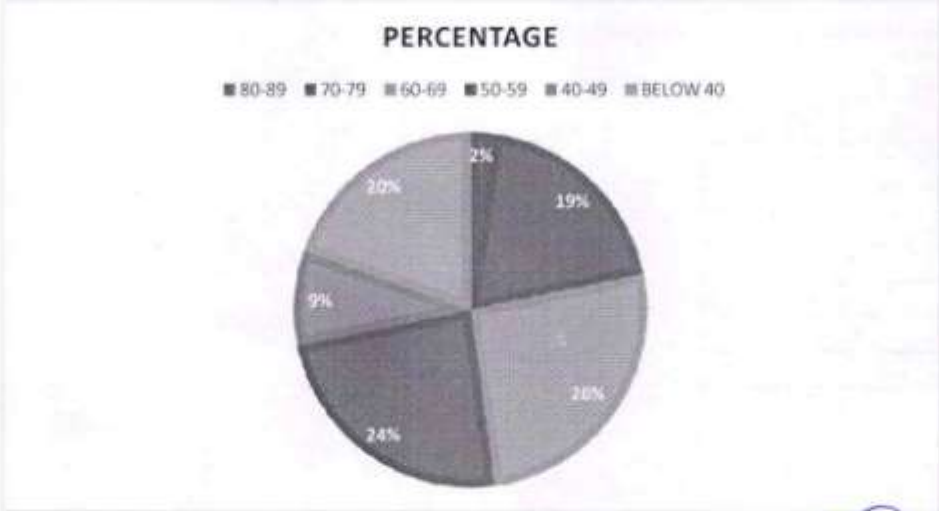
NO. OF STUDENTS: 44

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO. OF STUDENTS	STATUS
90 & ABOVE	0	OUTSTANDING
80 - 89	1	EXCELLENT
70 - 79	9	DISTINCTION
60 - 69	12	VERY GOOD
50 - 59	11	GOOD
40 - 49	4	AVERAGE
BELOW 40	10	RA




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COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.12%	EXCELLENT
70-79	19.14%	DISTINCTION
60-69	25.53%	VERY GOOD
50-59	23.40%	GOOD
40-49	8.51%	AVERAGE
BELOW 40	19.14%	RA



A. J. J.
STAFF INCHARGE

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GANESH COLLEGE OF ENGINEERING

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 Attur Main Road, Mettupatti, Salem - 636 111, Tamilnadu, India
 Phone: 0427 - 2711212, +91 9865440414
 E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

PROGRAM OUTCOME B.E.COMPUTER SCIENCE AND ENGINEERING

PO1	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO4	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO5	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

COURSE : COURSE OUTCOME:

CO1	Articulate the main concepts, key technologies, strengths and limitations of cloud computing.
CO2	Learn the key and enabling technologies that help in the development of cloud.
CO3	Develop the ability to understand and use the architecture of compute and storage cloud, service and delivery models.
CO4	Explain the core issues of cloud computing such as resource management and security.
CO5	Be able to install and use current cloud technologies.

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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

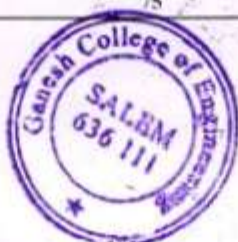


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SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	620621104003	ANJALI K	4	4	4	4	5	21	84
2	620621104004	ARUN	4	4	4	4	4	20	80
3	620621104005	BADRIPRASATH K	4	4	4	4	4	20	80
4	620621104008	DEVA M	5	5	5	5	3	23	92
5	620621104009	DEVAKI K	4	4	4	4	4	20	80
6	620621104011	DHIVYA G	4	4	4	5	4	21	84
7	620621104012	GANAPATHI P	4	4	4	5	4	21	84
8	620621104013	INDHIRA R	4	4	4	4	4	20	80
9	620621104014	INDHUMATHI P	4	4	4	4	4	20	80
10	620621104015	JOTHIKA M	4	4	4	4	4	20	80
11	620621104016	KARTHIKA K	4	4	4	4	4	20	80
12	620621104017	KOVENDAN M	4	4	4	4	4	20	80
13	620621104020	MUGESWARAN P	5	4	4	4	4	21	84
14	620621104022	NANDHINI M	4	4	4	4	4	20	80
15	620621104023	NARAYANAN K	4	4	4	4	4	20	80
16	620621104024	NAVEENKUMAR S	4	4	4	5	4	21	84
17	620621104025	NIRESHKUMAR V	4	4	4	5	4	21	84
18	620621104026	PADHMINI P	4	4	4	4	4	20	80
19	620621104029	POOVIZHI V	4	4	4	4	4	20	80
20	620621104030	PRAVEENA M	5	5	5	5	3	23	92
21	620621104031	RAJKUMAR G	4	4	4	4	5	21	84
22	620621104033	REENA A	5	5	5	5	3	23	92
23	620621104035	SAKTHIKUMAR A	5	5	5	5	3	23	92
24	620621104037	SANTHOSH S	4	4	4	4	4	20	80
25	620621104039	SARANYA R	4	4	4	4	4	20	80
26	620621104040	SARAVANAN N	5	4	4	4	4	21	84
27	620621104041	SATHISH KUMAR S	4	4	4	4	4	20	80
28	620621104042	SHALINI J	4	4	4	4	4	20	80
29	620621104043	SIVAKUMAR R	4	4	4	5	4	21	84
30	620621104044	SIVASAKTHI R	4	4	4	5	4	21	84
31	620621104045	SNEHA S	4	4	4	4	4	20	80
32	620621104048	SUDHAKAR R	4	4	4	4	4	20	80
33	620621104049	SUJATHA P	5	5	5	5	3	23	92
34	620621104050	SURENDHAR P	4	4	4	4	5	21	84
35	620621104051	SURIYA B	5	5	5	5	3	23	92
36	620621104054	THATCHAYINI S	5	5	5	5	3	23	92
37	620621104056	VAIDHEGI S	4	4	4	4	4	20	80
38	620621104058	VIJAY K	4	4	4	4	4	20	80
39	620621104060	VINAYAN B	5	4	4	4	4	21	84
40	620621104301	SASIKANNAN S	4	4	4	4	4	20	80
41	620621104302	VIDHYASAGAR K	4	4	4	4	4	20	80
			5	5	5	5	3	23	92
AVERAGE			4.217	4.174	4.174	4.348	3.913		

EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.18	75	79.18	93.15294
CO3	4.13	75	79.13	93.09412
CO4	4.22	75	79.22	93.2
CO5	4	75	79	92.94118

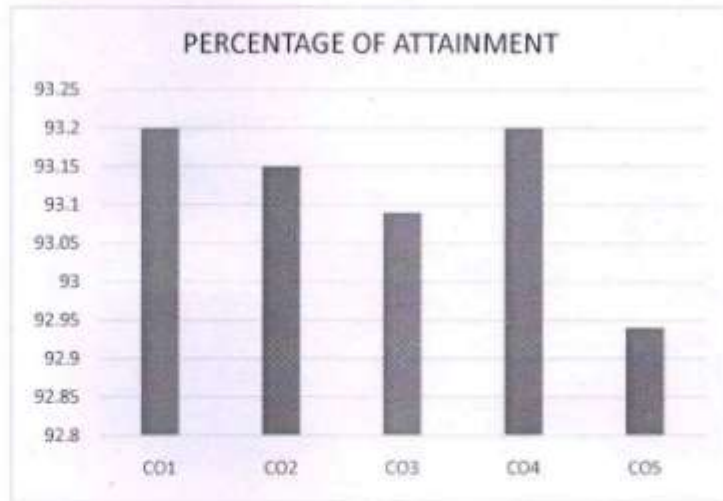


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COURSE ATTAINMENT FOR CSE

SUBJECT NAME: Cloud Computing
SUBJECT CODE: CS8791
NO. OF STUDENTS: 41

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.15
CO3	93.09
CO4	93.2
CO5	92.94



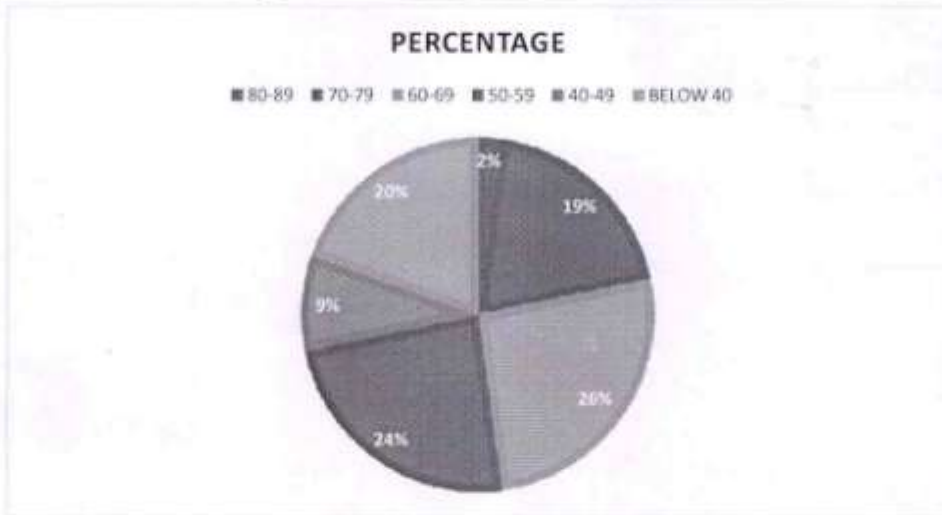
COURSE ATTAINMENT FOR B.E. CSE
SUBJECT NAME: Cloud Computing
SUBJECT CODE: CS8791
NO. OF STUDENTS: 41

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)		STATUS
90 & ABOVE		OUTSTANDING
80 - 89		EXCELLENT
70 - 79		DISTINCTION
60 - 69		VERY GOOD
50 - 59		GOOD
40 - 49		AVERAGE
BELOW 40		RA



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DME ASSESSMENT IN PERCENTAGE	PERCENTAGE				
CATEGORY (MARKS)					STATUS
80-89					EXCELLENT
70-79					DISTINCTION
60-69					VERY GOOD
50-59					GOOD
40-49					AVERAGE
BELOW 40					RA



V. Somy
STAFF INCHARGE

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Phone: 0427 - 221212, +91 9869440414
E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

PROGRAM OUTCOME B.E-COMPUTER SCIENCE ENGINEERING

PO1	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO4	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO5	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

COURSE : COURSE OUTCOME:

CO1	Analyze the efficiency of algorithms using various frameworks
CO2	Apply graph algorithms to solve problem and analyze the efficiency
CO3	Make use of algorithm design techniques like divide and conquer, dynamic programming and greedy techniques to solve problems
CO4	Use the state space tree method for solving problems.
CO5	Solve problems using approximation algorithms and randomized algorithms

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4

INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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



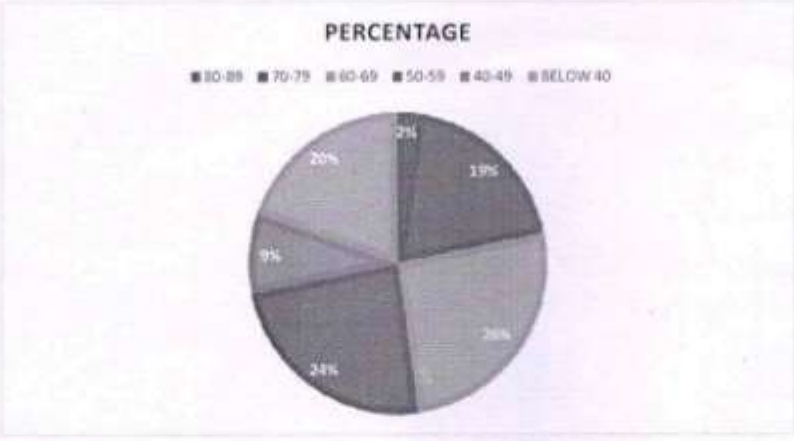
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SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	620622104001	ABINAYA V	4	4	4	4	5	21	84
2	620622104002	AJITH A	4	4	4	4	4	20	80
3	620622104003	AKASH P	4	4	4	4	4	20	80
4	620622104004	AMUTHESWARAN S	5	5	5	5	3	23	92
5	620622104005	ARAVIND KUMAR R	4	4	4	4	4	20	80
6	620622104006	ARTHI K	4	4	4	5	4	21	84
7	620622104007	ASWIN S	4	4	4	5	4	21	84
8	620622104008	AVINASH S	4	4	4	4	4	20	80
9	620622104010	BALRAJ P	4	4	4	4	4	20	80
10	620622104011	BARATHVAJ G	4	4	4	4	4	20	80
11	620622104012	BHARATH J	4	4	4	4	4	20	80
12	620622104013	GOKULRAJ M	4	4	4	4	4	20	80
13	620622104014	ISHWARYA L	5	4	4	4	4	21	84
14	620622104015	JANANI M	4	4	4	4	4	20	80
15	620622104016	JAYANDHI S	4	4	4	4	4	20	80
16	620622104017	JOY SAMUEL B	4	4	4	5	4	21	84
17	620622104018	KARTHICK M	4	4	4	5	4	21	84
18	620622104019	KARTHIKEYAN M	4	4	4	4	4	20	80
19	620622104020	KARTHIKEYAN V	4	4	4	4	4	20	80
20	620622104021	KAVINESH H	5	5	5	5	3	23	92
21	620622104022	KRISHNAN R	4	4	4	4	5	21	84
22	620622104023	MANIGANDAN B	5	5	5	5	3	23	92
23	620622104024	MANIMEGALAI S	5	5	5	5	3	23	92
24	620622104025	MANJU M	4	4	4	4	4	20	80
25	620622104026	NARMATHA M	4	4	4	4	4	20	80
26	620622104027	NAVEEN K	5	4	4	4	4	21	84
27	620622104028	NEEDHU M	4	4	4	4	4	20	80
28	620622104029	NETHAJI S	4	4	4	4	4	20	80
29	620622104030	NISHA M	4	4	4	5	4	21	84
30	620622104031	POOMANI M	4	4	4	5	4	21	84
31	620622104032	POOVARASAN S	4	4	4	4	4	20	80
32	620622104033	PRAVEEN M	4	4	4	4	4	20	80
33	620622104035	RAJNAVEEN J	5	5	5	5	3	23	92
34	620622104036	RENUGA S	4	4	4	4	5	21	84
35	620622104037	SABENA K	5	5	5	5	3	23	92
36	620622104038	SAKTHI SIVARAM M	5	5	5	5	3	23	92
37	620622104039	SANJAI S	4	4	4	4	4	20	80
38	620622104040	SANJAY K	4	4	4	4	4	20	80
39	620622104041	SARATHKUMAR S	5	4	4	4	4	21	84
40	620622104042	SATHISH KUMAR M	4	4	4	4	4	20	80
41	620622104043	SATHISH KUMAR S	4	4	4	4	5	21	84
42	620622104044	SETHUPATHY C	4	4	4	4	4	20	80
43	620622104045	SHALINI M	4	4	4	4	4	20	80
44	620622104046	SHANMUGAM K	5	5	5	5	3	23	92
45	620622104047	SHARMILA K	4	4	4	4	4	20	80
46	620622104048	SIVARANJANI R	4	4	4	5	4	21	84
47	620622104049	SIVASANKAR J	4	4	4	5	4	21	84
48	620622104050	SOWMIYA R	4	4	4	4	4	20	80
49	620622104051	SURENDHAR S	4	4	4	4	4	20	80
50	620622104052	SURYA C	4	4	4	4	4	20	80
51	620622104053	THIRUKUMARAN M	4	4	4	4	4	20	80
52	620622104054	VASANTH R	4	4	4	4	4	20	80
53	620622104055	VASANTH S	5	4	4	4	4	21	84
54	620622104056	VASIKARAN M	4	4	4	4	4	20	80
55	620622104057	VETRIVEL K P	4	4	4	4	4	20	80
56	620622104058	VIGNESHWARAN C	4	4	4	5	4	21	84
57	620622104059	VIJAY R	4	4	4	5	4	21	84
58	620622104060	VISHWA D	4	4	4	4	4	20	80
59	620622104061	SABARNATH	4	4	4	4	4	20	80
AVERAGE			4.217	4.174	4.174	4.348	3.913		



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ME ASSESSMENT IN PERCENTAGE	PERCENTAGE				
CATEGORY (MARKS)					STATUS
80-89					EXCELLENT
70-79					DISTINCTION
60-69					VERY GOOD
50-59					GOOD
40-49					AVERAGE
BELOW 40					RA



V. Srinivas
STAFF INCHARGE

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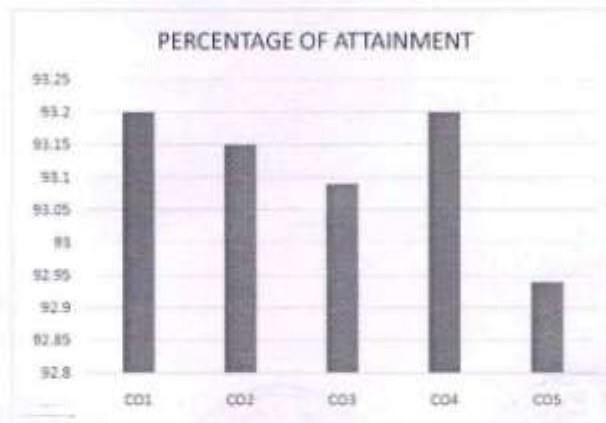
EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.18	75	79.18	93.15294
CO3	4.13	75	79.13	93.09412
CO4	4.22	75	79.22	93.2
CO5	4	75	79	92.94118

COURSE ATTAINMENT FOR CSE

SUBJECT NAME: Algorithms
 SUBJECT CODE: CS3401
 NO. OF STUDENTS: 59

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.15
CO3	93.09
CO4	93.2
CO5	92.94



COURSE ATTAINMENT FOR B.E. CSE

SUBJECT NAME: algorithms
 SUBJECT CODE: CS3401
 NO. OF STUDENTS: 59

OUTCOME ASSESSMENT	NO. OF STUDENTS					
CATEGORY (MARKS)						STATUS
90 & ABOVE						OUTSTANDING
80 - 89						EXCELLENT
70 - 79						DISTINCTION
60 - 69						VERY GOOD
50 - 59						GOOD
40 - 49						AVERAGE
BELOW 40						RA



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PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, natural sciences, and engineering sciences.
PO3	Draw well-founded conclusions applying the knowledge acquired from research and research methods including design of experiments, analysis and interpretation of data and synthesis of information and to arrive at significant conclusion.
PO4	Come out with solutions for the complex problems and to design system components or process that fulfill the particular needs taking into account public health and safety and the social, cultural and environmental issues.
PO5	Form, select and apply relevant techniques, resources and Engineering and IT tools for Engineering activities like electronic prototyping, modeling and control of systems and also being conscious of the limitations.

Course Name : **EEE**

COURSE OUTCOME

CO1	Ability to model the power system under steady state operating condition
CO2	Ability to acquire knowledge on Fault analysis.
CO3	Ability to model and carry out short circuit studies on power system
CO4	Ability to understand and apply iterative techniques for power flow analysis and Ability to understand and apply iterative techniques for power flow analysis and apply iterative
CO5	Ability to model and carry out short circuit studies on power system

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	4	3	4	4	4
CO2	4	4	4	4	4
CO3	4	3	3	4	4
CO4	4	2	4	4	3
CO5	4	2	3	4	4
Average	4	2.8	3.6	4	3.8



Internal Examination Mark Distribution for each Course outcome

CO	Internal	seminar	Assignment
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	REG.NO	Name	CO1	CO2	CO3	Total	Average%
1	620621105004	ARAVINTH P	4	5	5	24	96
2	620621105005	ARVINDH H	3	5	5	23	92
3	620621105008	DHANUSHKUMAR B	5	3	3	21	84
4	620621105010	DINESHKARTHIK S	5	3	3	21	84
5	620621105012	HARIDASS M	2	4	5	21	84
6	620621105013	HARIKRISHNAN C	4	5	5	21	84
7	620621105017	LOGESHWARAN P	3	5	5	23	92
8	620621105018	MADHAVAN B	3	5	5	23	92
9	620621105019	MAHALINGAM P	3	4	4	21	84
10	620621105022	NITHISH A	3	5	5	23	92
11	620621105025	SANTHOSH M	2	5	5	22	88
12	620621105027	SIVAKAMI S	2	5	5	22	88
13	620621105029	THADIKARAN R	3	4	5	22	88
14	620621105030	THENILA R	2	5	5	22	88
15	620621105033	VIGNESH K	3	5	5	23	92
16	620621105301	DHINESHKAR K	5	3	3	21	84
17	620621105501	MOORTHY M	2	5	5	22	88
		Average	3.18	4.47	4.59		

Expected Attainment in each CO - 85%

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	3.25	75	78.25	92.1
CO2	4.55	75	79.55	93.6
CO3	4.65	75	79.65	93.7
CO4	4.95	75	79.95	94.1
CO5	4.9	75	79.9	94.0

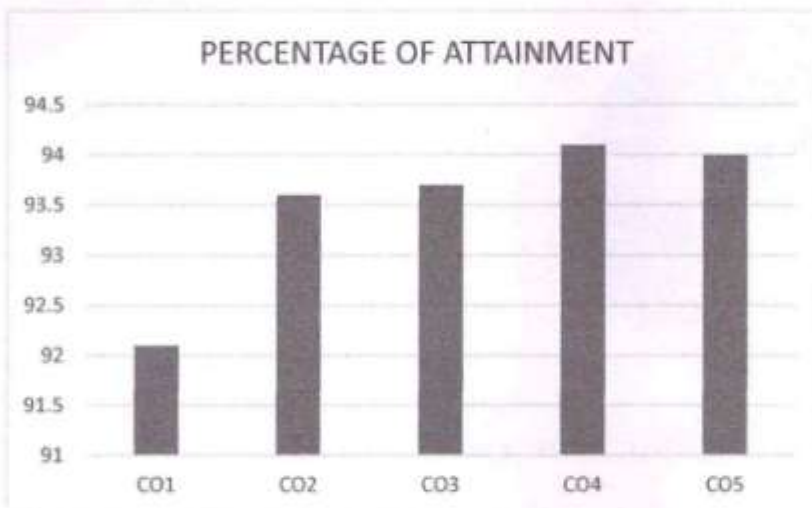
COURSE ATTAINMENT FOR BE, EEE

SUBJECT NAME: POWER SYSTEM ANALYSIS

SUBJECT CODE: EE3501

NO. OF STUDENT 17

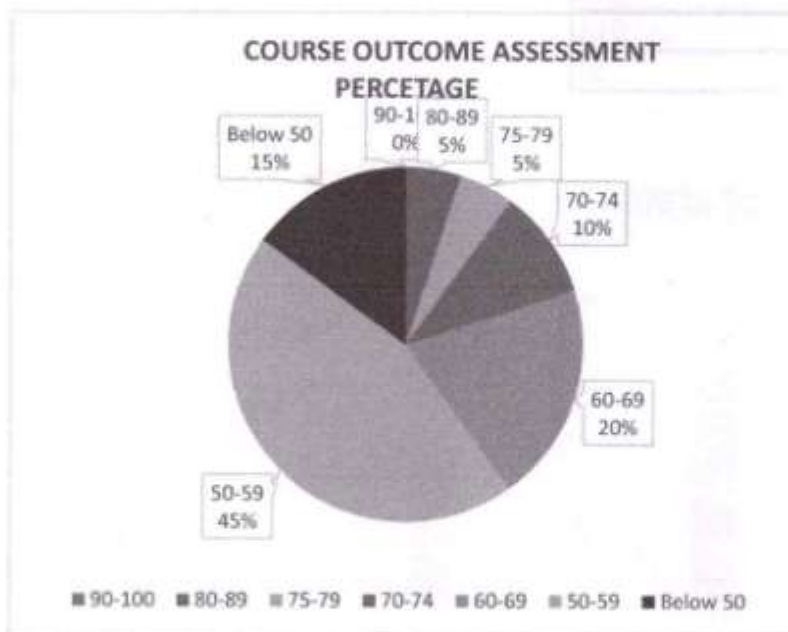
COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	92.1
CO2	93.6
CO3	93.7
CO4	94.1
CO5	94



COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	1	EXCELLENT
75-79	4	DISTINCTION
70-74	5	VERY GOOD
60-69	5	GOOD
50-59	9	AVERAGE
0-49	3	REAPPEAR



COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	PERCENTAGE%	STATUS
90-100	0	OUTSTANDING
80-89	5	EXCELLENT
75-79	5	DISTINCTION
70-74	10	VERY GOOD
60-69	20	GOOD
50-59	45	AVERAGE
Below 50	15	REAPPEAR




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Internal Examination Mark Distribution for each Course outcome

CO	Internal	seminar	Assignment
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	REG.NO	Name	CO1	CO2	CO3	CO4	CO5	Total	Average%
1	620620105002	KARTHIKEYAN D	4	5	5	5	5	24	96
2	620620105003	KISHON K	3	5	5	5	5	23	92
3	620620105006	SIVA S	5	3	3	5	5	21	84
4	620620105009	THIVAKARAN M	5	3	3	5	5	21	84
5	620620105301	GUNALAN S	2	4	5	5	5	21	84
6	620620105304	KAVIN S RA	4	5	5	4	3	21	84
7	620620105307	PERIYASAMY S	3	5	5	5	5	23	92
		Average	3.71	4.29	4.43	4.86	4.71		

Expected Attainment in each CO - 85%

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	3.25	75	78.3	92.1
CO2	4.55	75	79.6	93.6
CO3	4.65	75	79.7	93.7
CO4	4.95	75	80	94.1
CO5	4.9	75	79.9	94.0

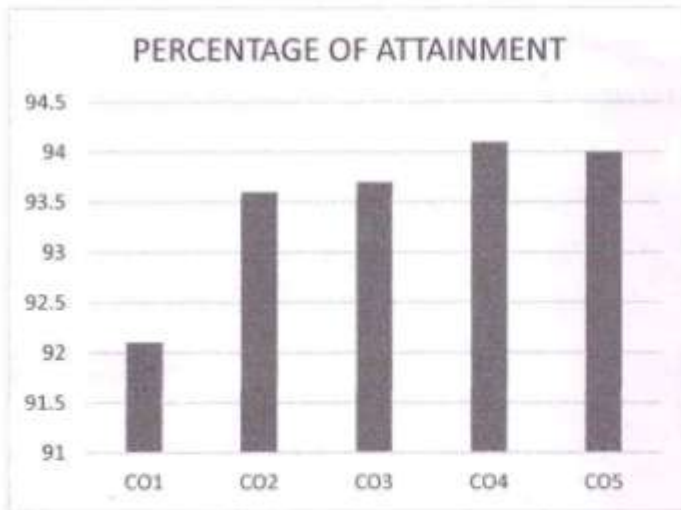
COURSE ATTAINMENT FOR BE,EEE

SUBJECT NAME: HVDC

SUBJECT CODE: EE8017

NO. OF STUDENTS: 7

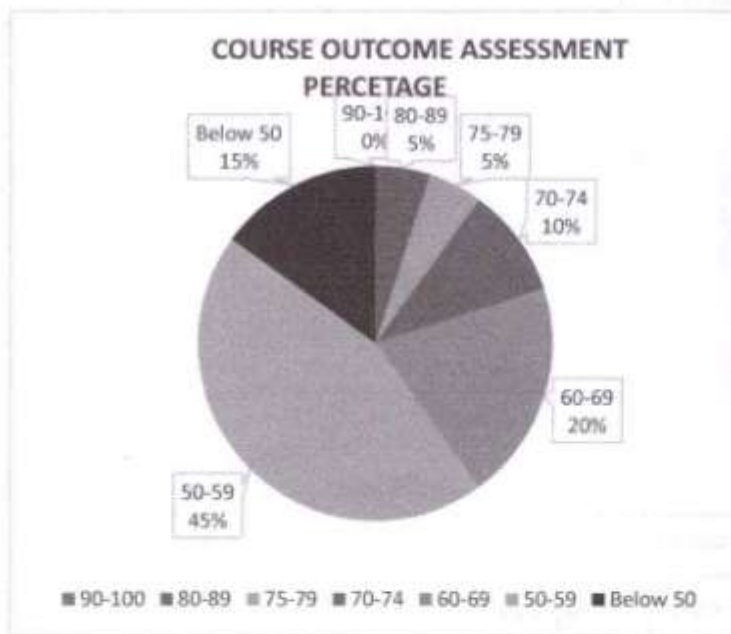
COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	92.1
CO2	93.6
CO3	93.7
CO4	94.1
CO5	94



COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	1	EXCELLENT
75-79	1	DISTINCTION
70-74	2	VERY GOOD
60-69	4	GOOD
50-59	9	AVERAGE
0-49	3	REAPPEAR

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	PERCENTAGE%	STATUS
90-100	0	OUTSTANDING
80-89	5	EXCELLENT
75-79	5	DISTINCTION
70-74	10	VERY GOOD
60-69	20	GOOD
50-59	45	AVERAGE
Below 50	15	REAPPEAR





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PROGRAM OUTCOME B.E-BIOMEICAL ENGINEERING

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

COURSE OUTCOME:

CO1	Understand the devices for measurement of parameters related to cardiology.
CO2	Illustrate the recording and measurement of EEG
CO3	Demonstrate EMG recording unit and its uses.
CO4	Explain diagnostic and therapeutic devices related to respiratory parameters.
CO5	Understand the various sensory measurements that hold clinical importance

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4



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INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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

SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	620621121003	AGALYA.K	4	4	4	4	5	21	84
2	620621121005	ANITHA.A	4	4	4	4	4	20	80
3	620621121006	ANUSUYA.S	4	4	4	4	4	20	80
4	620621121008	ARIVUMATHLM	5	5	5	5	3	23	92
5	620621121009	ARTHLR	4	4	4	4	4	20	80
6	620621121010	BARATHKUMAR.T	4	4	4	5	4	21	84
7	620621121011	BLESSY.S	4	4	4	5	4	21	84
8	620621121014	GOPIKA.B	4	4	4	4	4	20	80
9	620621121015	GOPIKRISHNAN.E	4	4	4	4	4	20	80
10	620621121016	GOWRLA	4	4	4	4	4	20	80
11	620621121018	JANANLN	4	4	4	4	4	20	80
12	620621121021	KARTHIKEYAN.B.K	4	4	4	4	4	20	80
13	620621121023	KAVINILA S	5	4	4	4	4	21	84
14	620621121026	KOWSALYA.M	4	4	4	4	4	20	80
15	620621121028	LAVANYA.S	4	4	4	4	4	20	80
16	620621121029	MAHALAKSHMLR	4	4	4	5	4	21	84
17	620621121032	NANDHINI.C	4	4	4	5	4	21	84
18	620621121033	NAVEEN.P	4	4	4	4	4	20	80
19	620621121034	NITHIYAPRIYA.D	4	4	4	4	4	20	80
20	620621121035	PERUMAL.M	5	5	5	5	3	23	92
21	620621121036	PONMANI SELVAN.V	4	4	4	4	5	21	84
22	620621121037	PRAVEENKUMAR.K	5	5	5	5	3	23	92
23	620621121038	PREMA RANLP	5	5	5	5	3	23	92
24	620621121039	RAJESH.R	4	4	4	4	4	20	80
25	620621121042	SANDHIYA.K	4	4	4	4	4	20	80
26	620621121043	SANDHIYA.S	5	4	4	4	5	21	84
27	620621121044	SANGARANARAYANAN.B	4	4	4	4	4	20	80
28	620621121045	SANJAYS	4	4	3	4	4	20	80
29	620621121046	SARADHAPRIYA.S	5	4	4	5	4	21	84
30	620621121048	SATHYA.R	4	4	4	5	4	21	84
31	620621121049	SEVVANTHLS	4	4	4	4	4	20	80



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32	620621121050	SIVASAKTHILS	4	4	4	4	4	20	80
33	620621121052	SURIYA.A.M	5	5	5	5	3	23	92
34	620621121053	SURIYA.V	4	4	4	4	5	21	84
35	620621121054	SWATHLT	4	4	4	4	4	20	80
36	620621121055	THAMARAISELVAN.G	4	4	4	4	4	20	80
37	620621121056	THOLKAPPIYAN.A	4	4	4	5	4	21	84
38	620621121057	VAITHEESWARAN.P	4	4	4	5	4	21	84
39	620621121058	VASUKLM	4	4	4	4	4	20	80
40	620621121059	VINOTHA.A	4	4	4	4	4	20	80
41	620621121060	VINOTHINLV	5	5	5	5	3	23	92
AVERAGE			4.217	4.174	4.174	4.348	3.913		

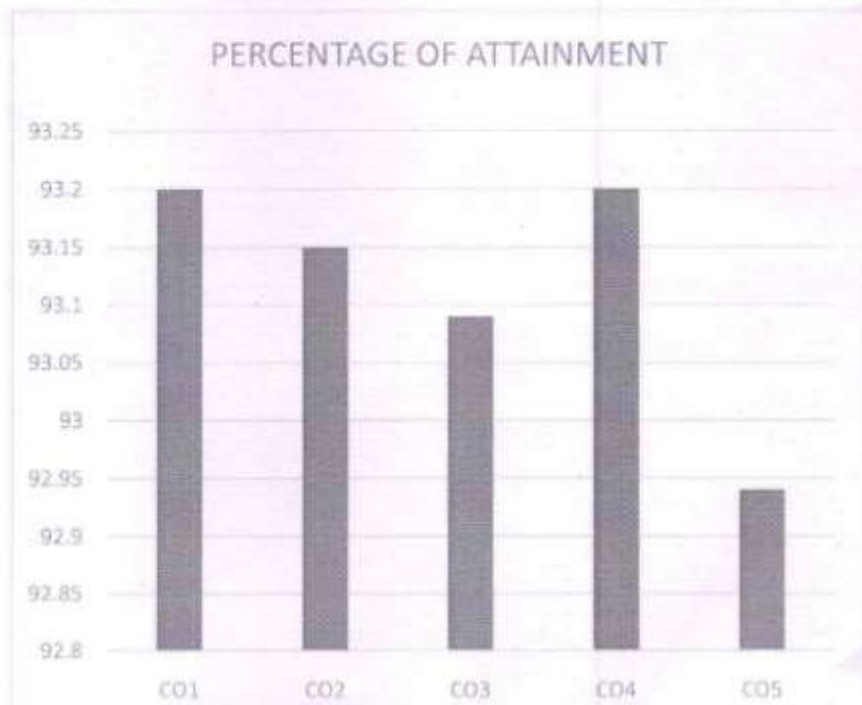
EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.17	75	79.17	93.14118
CO3	4.17	75	79.17	93.14118
CO4	4.35	75	79.35	93.35294
CO5	3.9	75	78.9	92.82353

COURSE ATTAINMENT FOR B.E-BME

SUBJECT NAME: Machine Learning
 SUBJECT CODE: AL3451
 NO. OF STUDENTS: 44

COURSE OUT COME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.14
CO3	93.14
CO4	93.35
CO5	92.82



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COURSE ATTAINMENT FOR B.E:BIOMEDICALENGINEERING

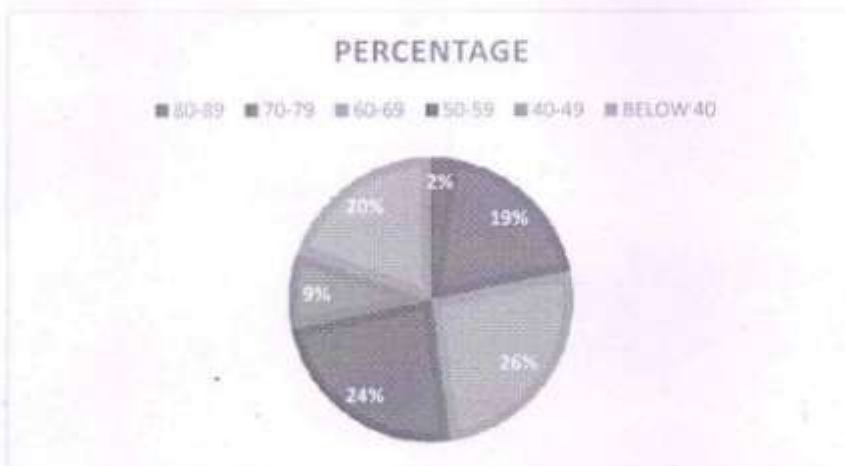
SUBJECT NAME: Diagnostic and therapeutic equipment

SUBJECT CODE: BM3591

NO. OF STUDENTS: 41

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO. OF STUDENTS	STATUS
90 & ABOVE	5	OUTSTANDING
80 - 89	1	EXCELLENT
70 - 79	9	DISTINCTION
60 - 69	12	VERY GOOD
50 - 59	11	GOOD
40 - 49	4	AVERAGE
BELOW 40	10	RA

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.12%	EXCELLENT
70-79	19.14%	DISTINCTION
60-69	25.53%	VERY GOOD
50-59	23.40%	GOOD
40-49	8.51%	AVERAGE
BELOW 40	19.14%	RA




PRINCIPAL
 Ganesh College of Engineering,
 Attur Main Road, Mettupatti,
 SALEM-636 111



GANESH COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Attur Main Road, Mettupatti, Salem - 636 111, Tamilnadu, India
Phone: 0427 - 2211212, +91 9865440414
E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

PROGRAM OUTCOME B.E-BIOMEICAL ENGINEERING

PO1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

COURSE OUTCOME:

CO1	Understand the statistical method for the design of biomedical research.
CO2	Comprehend the fundamentals of mathematical and statistical theory in the application of Healthcare
CO3	Apply the regression and correlation analyze in the healthcare data
CO4	Understand the meta analysis and variance analysis
CO5	Interpret the results of the investigational methods

PO →	PO1	PO2	PO3	PO4	PO5
CO1	1	0	3	3	1
CO2	0	0	3	3	0
CO3	1	1	3	3	0
CO4	0	0	3	3	1
CO5	1	1	2	3	0
AVERAGE	0.6	0.4	2.8	3	0.4



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INTERNAL EXAMINATION MARK DISTRIBUTION FOR EACH COURSE OUTCOME

CO	INTERNAL (25)		
	UNIT TEST (15)	SEMINAR (5)	ASSIGNMENT (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

SNO	REG. NO	NAME	CO1	CO2	CO3	CO4	CO5	TOTAL	% TO TOTAL INTERNAL MARK
1	620622121004	ARAVINDHAN.I	4	4	4	4	5	21	84
2	620622121006	ASWINIRALA	4	4	4	4	4	20	80
3	620622121007	BALAJLR	4	4	4	4	4	20	80
4	620622121008	BRINDHAR	5	5	5	5	3	23	92
5	620622121010	DEVANATHAN.S	4	4	4	4	4	20	80
6	620622121012	DHATCHANAMOOR	4	4	4	5	4	21	84
7	620622121014	GAYATHRI.K	4	4	4	5	4	21	84
8	620622121015	GOKUL.M	4	4	4	4	4	20	80
9	620622121016	GOWTHAM.R	4	4	4	4	4	20	80
10	620622121017	GOWTHAM.S	4	4	4	4	4	20	80
11	620622121018	HEPZIBA.k	4	4	4	4	4	20	80
12	620622121019	JAGADESH.S	4	4	4	4	4	20	80
13	620622121020	JAMUNA.P	5	4	4	4	4	21	84
14	620622121021	JANANLA	4	4	4	4	4	20	80
15	620622121022	JAYASAKTHI.B	4	4	4	4	4	20	80
16	620622121023	JAYASURYA.K	4	4	4	5	4	21	84
17	620622121024	JOSEPH.M	4	4	4	5	4	21	84
18	620622121025	KABILA.K	4	4	4	4	4	20	80
19	620622121026	KABILAN.K	4	4	4	4	4	20	80
20	620622121027	KAMALI.K	5	5	5	5	3	23	92
21	620622121028	KANAGARAJ.T	4	4	4	4	5	21	84
22	620622121029	KARTHIKEYAN.S	5	5	5	5	3	23	92
23	620622121030	KAVIARASU.M	5	5	5	5	3	23	92
24	620622121031	KESAVAN.T	4	4	4	4	4	20	80
25	620622121032	MONISHA.M	4	4	4	4	4	20	80
26	620622121033	PERIYAMMAL.V	5	4	4	4	4	21	84
27	620622121037	PRIYADHARSHINI.S	4	4	4	4	4	20	80
28	620622121039	RAJENDIRAN.A	4	4	4	4	4	20	80
29	620622121040	RUBIKA.A	4	4	4	5	4	21	84
30	620622121042	SANDHIYA. M	4	4	4	5	4	21	84
31	620622121043	SANDRAMUGI. S	4	4	4	4	4	20	80



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32	620622121044	SATHISH.V	4	4	4	4	4	20	80
33	620622121045	SATHIYA.G (7.5)	5	5	5	5	3	23	92
34	620622121046	SILAMBARASAN.R	4	4	4	4	5	21	84
35	620622121047	SRIRAM.R	4	4	4	4	4	20	80
36	620622121048	SUNIL KAVASKAR..	4	4	4	4	4	20	80
37	620622121049	SURENDAR.K	4	4	4	5	4	21	84
38	620622121050	SWETHA.P	4	4	4	5	4	21	84
39	620622121051	TAMILSELVLM (7.5)	4	4	4	4	4	20	80
40	620622121052	THENMOZHILM	4	4	4	4	4	20	80
41	620622121053	VANMATHIS	5	5	5	5	3	23	92
42	620622121054	VIGNESH.S	4	4	4	4	5	21	84
43	620622121058	KANISHKAR K	5	5	5	5	3	23	92
AVERAGE			4.217	4.174	4.174	4.348	3.913		

EXPECTED ATTAINMENT IN EACH CO - 85%

CO	INT. EXAM+	END SEM	TOTAL	%
CO1	4.22	75	79.22	93.2
CO2	4.18	75	79.18	93.153
CO3	4.13	75	79.13	93.094
CO4	4.22	75	79.22	93.2
CO5	4	75	79	92.941

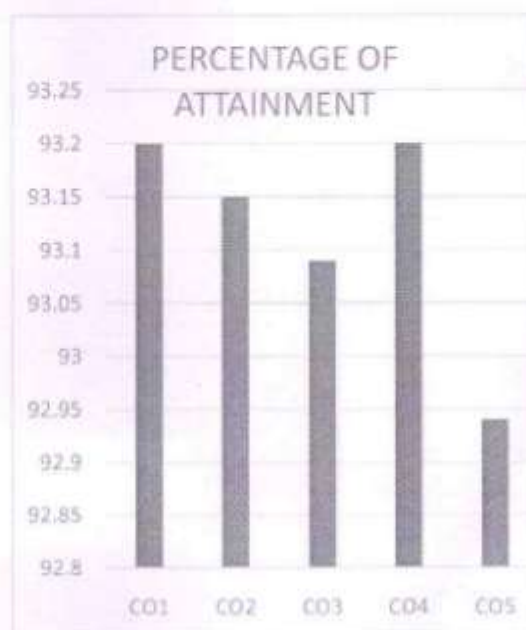
COURSE ATTAINMENT FOR B.E-BME


SUBJECT NAME: BIO CONTROL SYSTEMS

SUBJECT CODE: BM3451

NO. OF STUDENTS: 43

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.2
CO2	93.15
CO3	93.09
CO4	93.2
CO5	92.94




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COURSE ATTAINMENT FOR B.E-BME

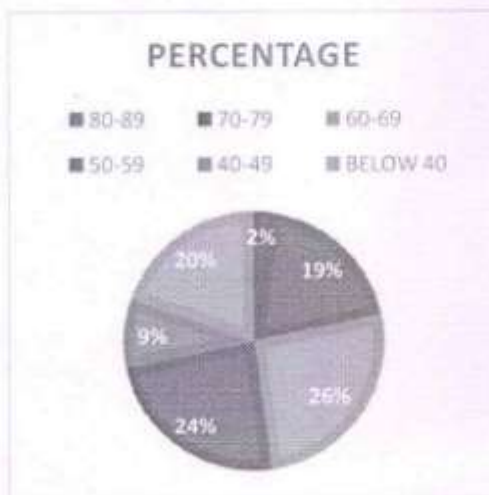
SUBJECT NAME: BIO CONTROL SYSTEMS

SUBJECT CODE: BM3451

NO. OF STUDENTS: 43

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO. OF STUDENTS	STATUS
90 & ABOVE	0	OUTSTANDING
80 - 89	1	EXCELLENT
70 - 79	9	DISTINCTION
60 - 69	12	VERY GOOD
50 - 59	11	GOOD
40 - 49	4	AVERAGE
BELOW 40	10	RA

COURSE OUTCOME ASSESSMENT IN PERCENTAGE		
CATEGORY (MARKS)	PERCENTAGE	STATUS
80-89	2.12%	EXCELLENT
70-79	19.14%	DISTINCTION
60-69	25.53%	VERY GOOD
50-59	23.40%	GOOD
40-49	8.51%	AVERAGE
BELOW 40	19.14%	RA




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PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

Course Name : THEORY OF MACHINES COURSE OUTCOME

CO1	Discuss the basics of mechanism
CO2	Solve problems on gears and gear trains.
CO3	Examine friction in machine elements.
CO4	Calculate static and dynamic forces of mechanisms.
CO5	Calculate the balancing masses and their locations of reciprocating and rotating

PO→ CO↓	PO1	PO2	PO3	PO4	PO5
CO1	4	3	4	4	4
CO2	4	4	4	4	4
CO3	4	3	3	4	4
CO4	4	2	4	4	3
CO5	4	2	3	4	4
Average	4	2.8	3.6	4	3.8

Internal Examination Mark Distribution for each Course outcome

CO	Internal	seminar	Assignment
CO1	3	1	1
CO2	3	1	2
CO3	3	1	3
CO4	3	1	4
CO5	3	1	5
Total	15	5	5



S.NO	REG.NO	Name	CO1	CO2	CO3	CO4	CO5	Total
1	620622114001	AJAY.D	4	5	5	5	5	24
2	620622114004	DHANUSH R	3	5	5	5	5	23
3	620622114005	GAJENTHIRAN.A	5	3	3	5	5	21
4	620622114008	KESAVAN.M	2	4	5	5	5	21
5	620622114009	MANIKANDAN.R	4	5	5	4	3	21
6	620622114010	MUKESH.M	3	5	5	5	5	23
7	620622114012	PUGAZHENDI.K	3	5	5	5	5	23
8	620622114013	RADHAKRISHNAN.S	3	4	4	5	5	21
9	620622114015	SARANRAJ.P	3	5	5	5	5	23
10	620622114016	SIVAKRISHNAN.M	2	5	5	5	5	22
11	620622114017	TAMILSELVAM.M	2	5	5	5	5	22
12	620622114018	TAMILVANAN.D	5	3	3	5	5	21
13	620622114020	VASANTH.S	2	4	5	5	5	21
14	620622114301	HARIHARAN.R.C	4	5	5	4	3	21
15	620622114302	MAHESHWARAN.M	3	5	5	5	5	23
16	62062211303	VIJAYAKUMAR.S	3	5	5	5	5	23
			3.20	4.53	4.67	4.87	4.73	

Expected Attainment in each CO - 85%

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	3.25	75	78.25	92.1
CO2	4.55	75	79.55	93.6
CO3	4.65	75	79.65	93.7
CO4	4.95	75	79.95	94.1
CO5	4.9	75	79.9	94.0

COURSE ATTAINMENT FOR BE., MECHANICAL ENGINEERING

SUBJECT NAME: THEORY OF MACHINES

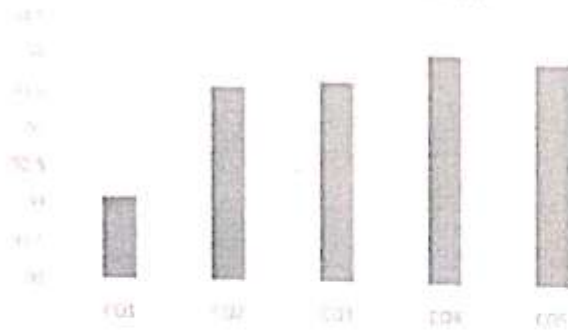
SUBJECT CODE: ME3491

NO. OF STUDENTS: 16

COURSE	PERCENTAGE OF ATTAINMENT
CO1	92.1
CO2	93.6
CO3	93.7
CO4	94.1
CO5	94



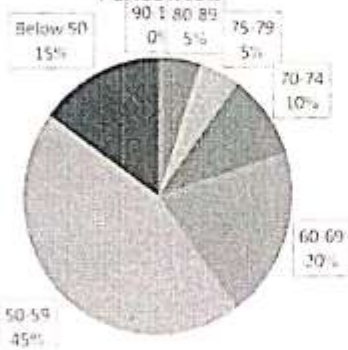
PERCENTAGE OF ATTAINMENT



COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	1	EXCELLENT
75-79	1	DISTINCTION
70-74	2	VERY GOOD
60-69	4	GOOD
50-59	9	AVERAGE
0-49	3	REAPPEAR

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	PERCENTAGE%	STATUS
90-100	0	OUTSTANDING
80-89	5	EXCELLENT
75-79	5	DISTINCTION
70-74	10	VERY GOOD
60-69	20	GOOD
50-59	45	AVERAGE
Below 50	15	REAPPEAR

COURSE OUTCOME ASSESSMENT
PERCENTAGE



■ 90-100 ■ 80-89 ■ 75-79 ■ 70-74 ■ 60-69 ■ 50-59 ■ Below 50



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PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
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PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Course Name : Manufacturing Technology

COURSE OUTCOME

CO1	Apply the mechanism of metal removal process and to identify the factors involved in improving machinability
CO2	Describe the constructional and operational features of centre lathe and other special purpose lathes
CO3	Describe the constructional and operational features of reciprocating machine tools
CO4	Apply the constructional features and working principles of CNC machine tools
CO5	Demonstrate the Program CNC machine tools through planning, writing codes and setting up CNC machine tools to manufacture a given component.



CO	PO1	PO2	PO3	PO4	PO5
CO1	4	3	4	4	4
CO2	4	4	4	4	4
CO3	4	3	3	4	4
CO4	4	2	4	4	3
CO5	4	2	3	4	4
Average	4	2.8	3.6	4	3.8

Internal Examination Mark Distribution for each Course outcome

CO	Internal	Seminar	Assignment
CO1	3	1	1
CO2	3	1	2
CO3	3	1	3
CO4	3	1	4
CO5	3	1	5
Total	15	5	5

S.NO	REG.NO	Name	CO1	CO2	CO3	CO4	CO5	Total	%
1	620622114001	AJAY D	4	5	5	5	5	24	96
2	620622114004	DIANUSH R	3	5	5	5	5	23	92
3	620622114005	GAJANTHIRAN A	5	3	3	5	5	21	84
4	620622114008	KESAVAN M	2	4	5	5	5	21	84
5	620622114009	MANIKANDAN R	4	5	5	4	3	21	84
6	620622114010	MUKESH M	3	5	5	5	5	23	92
7	620622114012	PUGAZHENDI K	3	5	5	5	5	23	92
8	620622114013	RADHAKRISHNAN S	3	4	4	5	5	21	84
9	620622114015	SARANRAJ P	3	5	5	5	5	23	92
10	620622114016	SIVAKRISHNAN M	2	5	5	5	5	22	88
11	620622114017	TAMILSELVAM M	2	5	5	5	5	22	88
12	620622114018	TAMILVANAN D	5	3	3	5	5	21	84
13	620622114020	VASANTH S	2	4	5	5	5	21	84
14	620622114301	HARIHARAN R C	4	5	5	4	3	21	84
15	620622114302	MAHESHWARAN M	3	5	5	5	5	23	92
16	62062211303	VIJAYAKUMAR S	3	5	5	5	5	23	92
			3.20	4.53	4.67	4.87	4.73		

Expected Attainment in each CO - 85%

CO	Int. Exam + Assignment	End Sem	Total	%
CO1	3.25	75	78.25	92.1
CO2	4.55	75	79.55	93.6
CO3	4.65	75	79.65	93.7
CO4	4.95	75	79.95	94.1
CO5	4.9	75	79.9	94.0



COURSE ATTAINMENT FOR BE., MECHANICAL ENGINEERING

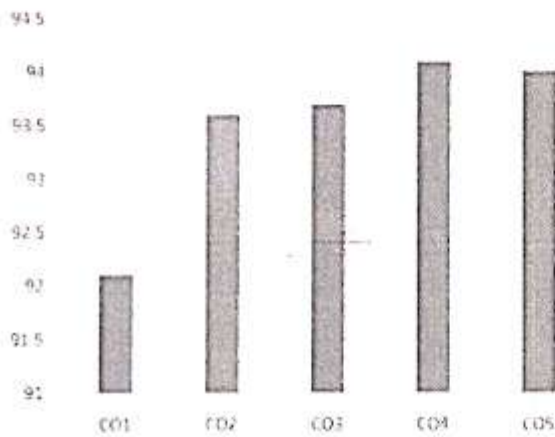
SUBJECT NAME: Manufacturing Technology

SUBJECT CODE: ME3493

NO. OF STUDENTS:16

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	92.1
CO2	93.6
CO3	93.7
CO4	94.1
CO5	94

PERCENTAGE OF ATTAINMENT



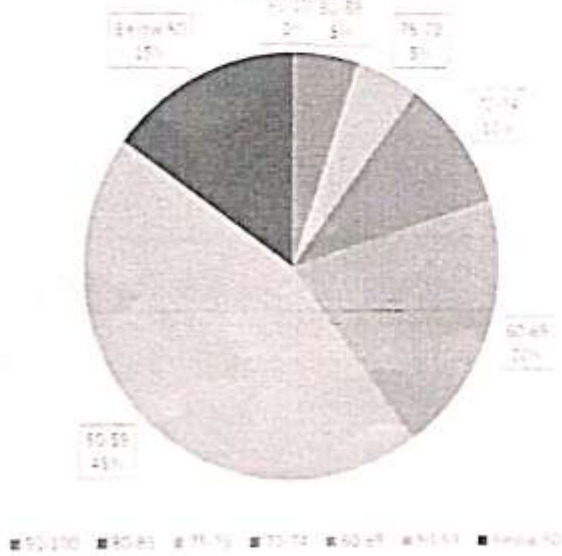
COURSE OUTCOME ASSESSMENT		
CATEGORY (MARKS)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	1	EXCELLENT
75-79	1	DISTINCTION
70-74	2	VERY GOOD
60-69	4	GOOD
50-59	9	AVERAGE
0-49	3	REAPPEAR



COURSE OUTCOME ASSESSMENT

CATEGORY (MARKS)	PERCENTAGE%	STATUS
90-100	0	OUTSTANDING
80-89	5	EXCELLENT
75-79	5	DISTINCTION
70-74	10	VERY GOOD
60-69	20	GOOD
50-59	45	AVERAGE
Below 50	15	REAPPEAR

COURSE OUTCOME ASSESSMENT
PERCENTAGE



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