

Course Name Project
Course Code RME-754
Batch 2016 2020
Semester 7
Session 2019 2020
L:T:P 0.0.6

Number of Students 99

Sheet S1: Define Course Outcomes (COs) using Revised Bloom's Taxonomy
Set Targets for CO Attainment
Mention Program Outcomes (given by NBA)
Mention Program Specific Outcomes(PSO's) of Computer Science and Engineering

Sheet S2: Mapping of COs with POs (CO-PO Correlation Matrix)
Mapping of COs with PSOs (CO-PSO Correlation Matrix)
Assessment Plan And Assessment Instruments/Tools

Sheet S3: CO Attainment using Continuous Internal Evaluation (CIE)

Sheet S5: CO Attainment and Analysis

Sheet S6: PO Attainment and PSO Attainment

Sheet S7: CO Attainment Gap and Closure of Quality Loop


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Course Outcomes(CO's)

At the end of course, Students will be able to :

Course Code	CO	Course Outcomes(COs)	Cognitive Levels
RME-754	CO1 RME-754.1	Select/Identify suitable project work for which industry/community is waiting for solution. This will help the students in securing employment or starting their own enterprises.	Understand
	CO2 RME-754.2	Divide entire project into sub tasks, to be carried out for completing the project and allocating the responsibilities towards its completion. The group may also select a team leader and everybody in the group should work under the direction of the team leader.	Analyze
	CO3 RME-754.3	Prepare the software requirement specification (SRS) of the project that describes the analysis and design of the project based on the requirements.	Understand
	CO4 RME-754.4	Measure/test the performance of the undergoing project in different conditions with the help of different parameters.	Analyze
	CO5 RME-754.5	Prepare a report/poster/presentation/research paper about the project work undertaken by the student groups.	Evaluate

Targets for CO Attainments

Level	Marks
3	≥ 60%
2	≥ 40% and < 60%
1	< 40%

Aim is to attain level 3

Course Code	CO	% of students getting marks ≥ 60%
RME-754	CO1 RME-754.1	80
	CO2 RME-754.2	80
	CO3 RME-754.3	80
	CO4 RME-754.4	80
	CO5 RME-754.5	80

Program Outcomes (PO's)

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Engineering Graduates will be able to :

PO1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: 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/development of solutions: 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	Conduct investigations of complex problems: 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	Modern tool usage: 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.
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.

Program Specific Outcomes (PSO's)

After completing their graduation, students of Mechanical Engineering will be able to do :

PSO1	Identify and solve problems of thermal engineering, strength of materials, fluid mechanics, refrigeration & air conditioning, Design, dynamics of machines, mathematics and engineering science.
PSO2	Get fundamental knowledge and hand-on experience of different manufacturing processes, material testing techniques and CAD/CAM tooling to apply in various industries
PSO3	Learn quality and industrial management concepts, communication and soft skills along with other interdisciplinary subjects such as programming language, electrical engineering and basic electronics to enhance their employability

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CO-PO Mapping

Course Code	CO		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
RME-754	CO1	RME-754.1	3	3				2	2	2	3		2	3
	CO2	RME-754.2	2	2				1			3	2	2	2
	CO3	RME-754.3	2	2	3	2	1	2	2	2	3	2	3	2
	CO4	RME-754.4	3	3	3	3	3	3	3	3	3	3	3	3
	CO5	RME-754.5	3	3	3	3	3	3	3	3	3	3	3	3
Mapping Strength		RME-754	2.6	2.6	3	2.666667	2.333333	2.2	2.5	2.5	3	2.5	2.6	2.6

CO-PSO Mapping

Course Code	CO	PSO1	PSO2	PSO3
RME-754	CO1	RME-754.1	3	3
	CO2	RME-754.2	3	3
	CO3	RME-754.3	3	3
	CO4	RME-754.4	3	3
	CO5	RME-754.5	3	3
Mapping Strength		RME-754	3	3

Assessment using Continuous Internal Evaluation (CIE)

	Phase 1			
	CO1	CO1	CO5	CO5
Rubrics	Title & Feasibility	Abstract & Depth of Knowledge	Presentation as team and as an Individual	Questions and Answer
Max Marks	20	40	20	40

Phase 2			
CO2	CO3	CO5	CO5
Design, Analysis and Work Distribution among Team Members	Implementation strategy	Presentation as team and as an Individual	Questions and Answer
40	40	20	20

Project Supervisor			
CO4	CO2	CO2	CO5
Assessed Project Progress upto satisfaction level	Individual Contribution	Sincerity towards Work as Team	Questions and Answer
40	40	40	40

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Direct CO Attainment using Continuous Internal Evaluation (CIE)

				Phase 1				Phase 2				Project Supervisor				TOTAL	
				CO1	CO1	CO5	CO5	CO2	CO3	CO5	CO5	CO4	CO2	CO2	CO5		
Rubrics				Title & Feasibility	Abstract & Depth of Knowledge	Presen-tation as team and as an Individual	Questions and Answer	Design, Analysis and Work Distribution among Team Members	Implemen-tation strategy	Presen-tation as team and as an Individual	Questions and Answer	Assessed Project Progress upto satisfaction level	Individual Contri-bution	Sincerity towards Work as Team	Questions and Answer		
S.No.	Project Group	Univ. Roll No.	Name	Max Marks	20	40	20	40	40	40	20	20	40	40	40	40	200
1	G1	1608240088	Varun Rastogi		19	39	19	39	38	38	19	18	34	35	36	36	185
2		1608240094	Yash Rastogi		19	38	17	36	30	40	15	18	32	40	35	40	180
3		1708240901	Ankur Saini		17	35	12	35	30	32	12	10	34	25	28	30	150
4		1608240095	Yasharth Gautam		20	40	19	38	39	38	15	15	30	23	28	35	170
5		1708240907	Rishabh Dhyani		19	39	18	38	32	30	16	17	32	25	30	32	164
6	G2	1608240085	Ubaid Ur Rehman		20	40	19	38	39	38	19	18	37	35	39	38	190
7		1608240092	Vishesh Kumar		20	40	20	40	39	38	18	17	32	37	35	36	186
8		1608240075	Santosh Verma		20	38	18	38	37	38	15	16	36	37	35	32	180
9		1608240074	Salman		18	36	19	36	35	37	14	15	34	32	35	39	175
10		1608240086	Utkarsh Tyagi		17	35	18	35	36	32	16	15	33	36	38	39	175
11	G3	1608240014	Ankur Singh		20	40	20	40	20	40	20	20	40	40	40	40	190
12		1608240037	Kovit Kumar		16	34	17	32	35	32	12	14	31	25	24	38	155
13		1608240082	Shubham Kumar		17	36	18	35	36	35	15	14	38	35	34	39	176
14		1608240061	Ovais Khan		12	34	16	30	30	31	10	12	27	28	30	30	145
15		1608240013	Ankit Kumar		11	32	14	31	32	29	12	10	22	25	25	27	135
16	G4	1608240009	Aman Sisodia		14	36	17	35	34	35	18	17	39	38	38	39	180
17		1608240003	Ajeet Morya		12	32	16	31	32	30	10	11	32	32	36	38	156
18		1608240006	Akash Yadav		13	30	15	32	32	29	12	10	30	32	30	31	148
19		1608240019	Ayush Rajput		10	28	12	30	30	30	11	12	32	38	38	39	155
20		1608240022	Dhaneswar Chauhan		12	30	12	32	32	30	10	14	30	26	30	32	145
21	G5	1608240049	Mohd. Faizan		14	35	16	35	39	38	19	19	38	38	39	40	185
22		1608240042	Mohd. Areeb		15	32	17	32	34	36	12	14	30	32	34	32	160
23		1608240059	Nitesh Kumar		14	30	16	34	32	32	10	12	34	34	30	32	155
24		1608240010	Amit Kumar		12	32	15	35	34	30	12	14	30	28	28	30	150
25		1608240096	Ziaul Mustafa		14	35	14	36	38	36	16	15	34	36	32	34	170
26	G6	1608210083	Mohd. Javed		12	30	12	30	32	32	14	12	30	28	32	30	147
27		1508240083	Mohd. Anas		10	28	10	32	30	30	10	10	28	29	29	30	138
28		1708240903	Devraj Singh		11	29	12	34	25	25	10	8	30	29	29	28	135
29		1708240904	Mohd. Junaid		8	25	10	30	30	28	11	10	25	24	25	22	124
30		1708240905	Mohd. Shariq		9	26	11	32	30	25	12	10	24	24	22	20	123

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31	G7	1608240063	Pulkit Dhariwal	12	35	14	36
32		1608240012	Anant Tiwari	13	36	15	35
33		1608240015	Anuj Panwar	12	34	16	36
34		1608240017	Arpit Kumar	10	30	12	32
35	G8	1608240007	Akash Mathur	11	34	10	36
36		1608240072	Sachin Bhandari	14	36	14	35
37		1608240055	Mudit Yadav	10	32	12	30
38		1608240073	Sagar Kumar	14	36	14	32
39	G9	1608240052	Mohd. Asim	10	32	10	34
40		1608240057	Nawaz Ali	12	34	14	36
41		1608240077	Sarthak Vyas	14	36	16	38
42		1608240080	Shashwat Yadav	12	32	14	35
43	G10	1608240076	Sarabjit Singh	10	30	10	30
44		1608210065	Himanshu Choudhary	12	32	12	36
45		1508240153	Srikant Siddharth	8	28	14	22
46		1608240053	Mohd. Faraz	13	37	14	35
47	G11	1608240047	Mohd. Daniyal	12	32	14	30
48		1608240026	Gajendra Singh	14	35	15	30
49		1608240045	Mohd. Anas	12	28	14	32
50		1608240051	Mohd. Shazeb	9	25	15	34
51	G12	1608240032	Himanshu Sharma	14	34	12	25
52		1608240036	Karun Chauhan	14	35	14	32
53		1608240001	Aryan Chauhan	15	35	16	34
54		1608240043	Ahtesham	10	30	12	25
55	G13	1608240040	Maneesh Chauhan	14	35	15	35
56		1608240029	Harsh Kaushik	15	35	14	32
57		1608240039	Laksh Kumar	12	20	15	25
58		1608240038	Krishna Kumar	10	25	10	25
59	G14	1608240024	Dinesh Kumar	9	24	12	26
60		1608240065	Raja Kanchan	11	30	14	32
61		1608240020	Deepak Pandey	14	34	14	38
62		1608240034	Jitendra Kumar	10	25	12	30
63	G15	1608240011	Amitesh Kushwaha	12	35	12	35
64		1608240016	Arjun Singh	14	32	12	36
65		1608240058	Neeraj Saini	12	30	14	32
66		1608240030	Harsh Thakur	15	35	14	30
67	G16	1608240035	Jitendra Singh Saini	14	32	12	32
68		1608240028	Gurdeep Kumar	12	30	10	34
69		1508240117	Priyanshu Kumar	10	28	10	35
70		1608210132	Rohan Dhariwal	12	30	8	28
71	G17	1608240031	Himanshu Chaudhary	10	32	10	30
72		1608240025	Dishant Pratap	12	34	11	32
73		1608240027	Gaurav Verma	8	28	10	30
74		1608240041	Faizi	10	25	10	28
75	G18	1608240062	Prince Tyagi	12	24	12	28
76		1608240069	Raman Kaushik	10	35	18	38
77		1608240070	Ritesh Singh	12	36	14	35
78		1608240005	Akash Kumar	8	28	10	28

32	34	14	12
34	30	12	15
35	32	12	14
32	30	10	12
34	32	12	10
37	32	10	9
28	30	10	10
34	36	10	12
30	30	12	10
32	34	10	10
36	36	12	20
35	36	14	20
30	32	10	10
30	34	12	12
25	24	12	14
35	35	16	14
28	30	10	12
30	32	12	18
22	20	10	8
30	22	7	8
38	36	18	18
34	32	14	16
32	30	12	10
30	32	12	10
31	32	10	8
32	36	12	10
30	32	8	12
30	30	10	10
28	32	12	10
30	34	10	12
38	38	16	18
28	35	14	14
30	36	16	14
30	26	10	12
28	30	10	11
32	34	12	14
30	27	15	12
28	28	14	12
25	22	10	8
28	26	9	8
28	28	10	9
32	30	12	10
28	22	8	8
28	24	10	9
26	28	12	10
34	36	14	15
36	38	12	14
29	30	10	8

38	38	36	39	170
36	35	38	39	169
37	38	36	38	170
29	25	30	28	140
30	34	36	37	158
38	38	38	39	170
30	30	28	30	140
32	32	32	36	160
29	28	29	30	142
28	26	28	26	145
40	40	40	40	184
39	39	40	40	178
30	30	30	28	140
32	32	36	38	159
25	26	30	24	126
36	38	38	39	175
38	39	38	39	161
38	38	39	39	170
32	36	38	38	145
22	22	28	28	125
35	38	38	38	172
35	32	30	32	160
28	30	30	28	150
30	27	28	34	140
28	28	30	32	149
27	24	28	31	148
27	31	30	30	136
24	25	28	27	127
22	21	22	22	120
27	23	22	25	135
40	40	40	40	185
35	38	30	39	155
38	35	38	39	170
25	28	27	28	140
28	30	38	37	150
30	38	38	38	165
28	30	25	27	142
30	28	26	28	140
23	22	22	25	120
30	30	32	39	140
32	34	32	35	145
33	32	32	30	150
24	25	30	29	125
22	22	27	25	120
25	24	24	25	125
38	39	39	40	178
38	36	34	37	171
25	25	25	25	126

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79		1608240071	Sachin Kumar	12	30	12	29
80		1608240087	Vaibhav Singh	10	32	10	32
81		1608240060	Nuzair Khan	15	38	15	35
82		1608240056	Mumtaz Khan	14	36	16	38
83	G17	1608240048	Faiz	10	30	12	32
84		1608240046	Mohd Athar	12	32	12	34
85		1608240054	Saddam Husain	10	30	10	32
86		1608240078	Satyam Thakur	15	36	14	38
87	G18	1708240908	Shubham Raj	12	32	14	36
88		1708240909	Varun Chatrawal	9	28	8	30
89		1708240902	Anuj Pal	10	30	10	32
90		1608240093	Vishnu Kr. Gautam	14	36	10	38
91		1608240089	Vikas Kumar	16	35	15	38
92	G19	1708240906	Ravi Arya	10	30	9	28
93		1608240091	Vishal Chaudhary	12	32	10	34
94		1608240084	Sumit Kumar	15	38	14	36
95		1608240002	Abhishek Kr. Singh	10	32	10	30
96		1608240004	Aakash Gautam	12	32	14	34
97	G20	1608240023	Dhaves Saini	14	35	15	38
98		1608240008	Aman Mathur	10	30	12	35
99		1508240064	Kamal Prakash Singh Lodhi	10	28	12	25

35	35	10	10
30	30	10	9
36	35	10	12
35	36	12	10
30	30	10	8
32	30	10	9
32	28	12	10
39	38	18	19
35	38	10	19
30	35	10	10
30	32	9	8
39	38	18	19
38	39	19	19
36	38	15	10
32	34	10	12
34	35	12	10
35	32	14	12
30	28	10	12
34	38	10	12
34	30	10	8
28	25	10	12

39	40	39	39	165
32	30	28	27	140
38	38	39	39	175
38	39	39	37	175
36	38	35	39	155
35	36	37	39	159
36	32	34	32	149
38	39	38	38	185
39	40	39	40	177
35	38	39	38	155
35	36	40	40	156
39	40	39	40	185
39	38	39	39	187
38	37	36	37	162
39	38	38	39	165
39	38	38	39	174
37	36	38	34	160
25	28	29	30	142
38	37	38	39	174
40	40	39	40	164
22	22	24	22	120

Course Code	CO	CO Attained (% of students getting $\geq 60\%$ marks)	CO Attained (On Scale of 3)
RME-754	CO1	91.92	2.76
	CO2	97.98	2.94
	CO3	95.96	2.88
	CO4	93.94	2.82
	CO5	93.94	2.82


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CO1					CO2					CO3					CO4					CO5				
Total Marks Obtained	Total Marks Attempted	>=60%	Level (3,2,1)	Y/N	Total Marks Obtained	Total Marks Attempted	>=80%	Level (3,2,1)	Y/N	Total Marks Obtained	Total Marks Attempted	>=80%	Level (3,2,1)	Y/N	Total Marks Obtained	Total Marks Attempted	>=80%	Level (3,2,1)	Y/N	Total Marks Obtained	Total Marks Attempted	>=80%	Level (3,2,1)	Y/N
58	60	96.67	3	Y	109	120	90.83	3	Y	38	40	95	3	Y	34	40	85	3	Y	131	140	93.57	3	Y
57	60	95	3	Y	105	120	87.5	3	Y	40	40	100	3	Y	32	40	80	3	Y	126	140	90	3	Y
52	60	86.67	3	Y	83	120	69.17	3	Y	32	40	80	3	Y	34	40	85	3	Y	99	140	70.71	3	Y
60	60	100	3	Y	90	120	75	3	Y	38	40	95	3	Y	30	40	75	3	Y	122	140	87.14	3	Y
58	60	96.67	3	Y	87	120	72.5	3	Y	30	40	75	3	Y	32	40	80	3	Y	121	140	86.43	3	Y
60	60	100	3	Y	113	120	94.17	3	Y	38	40	95	3	Y	37	40	92.5	3	Y	132	140	94.29	3	Y
60	60	100	3	Y	111	120	92.5	3	Y	38	40	95	3	Y	32	40	80	3	Y	131	140	93.57	3	Y
58	60	96.67	3	Y	109	120	90.83	3	Y	38	40	95	3	Y	36	40	90	3	Y	119	140	85	3	Y
54	60	90	3	Y	102	120	85	3	Y	37	40	92.5	3	Y	34	40	85	3	Y	123	140	87.86	3	Y
52	60	86.67	3	Y	110	120	91.67	3	Y	32	40	80	3	Y	33	40	82.5	3	Y	123	140	87.86	3	Y
60	60	100	3	Y	100	120	83.33	3	Y	40	40	100	3	Y	40	40	100	3	Y	140	140	100	3	Y
50	60	83.33	3	Y	84	120	70	3	Y	32	40	80	3	Y	31	40	77.5	3	Y	113	140	80.71	3	Y
53	60	88.33	3	Y	105	120	87.5	3	Y	35	40	87.5	3	Y	38	40	95	3	Y	121	140	86.43	3	Y
46	60	76.67	3	Y	88	120	73.33	3	Y	31	40	77.5	3	Y	27	40	67.5	3	Y	98	140	70	3	Y
43	60	71.67	3	Y	82	120	68.33	3	Y	29	40	72.5	3	Y	22	40	55	2	N	94	140	67.14	3	Y
50	60	83.33	3	Y	110	120	91.67	3	Y	35	40	87.5	3	Y	39	40	97.5	3	Y	126	140	90	3	Y
44	60	73.33	3	Y	100	120	83.33	3	Y	30	40	75	3	Y	32	40	80	3	Y	106	140	75.71	3	Y
43	60	71.67	3	Y	94	120	78.33	3	Y	29	40	72.5	3	Y	30	40	75	3	Y	100	140	71.43	3	Y
38	60	63.33	3	Y	106	120	88.33	3	Y	30	40	75	3	Y	32	40	80	3	Y	104	140	74.29	3	Y
42	60	70	3	Y	88	120	73.33	3	Y	30	40	75	3	Y	30	40	75	3	Y	100	140	71.43	3	Y
49	60	81.67	3	Y	116	120	96.67	3	Y	38	40	95	3	Y	38	40	95	3	Y	129	140	92.14	3	Y
47	60	78.33	3	Y	100	120	83.33	3	Y	36	40	90	3	Y	30	40	75	3	Y	107	140	76.43	3	Y
44	60	73.33	3	Y	96	120	80	3	Y	32	40	80	3	Y	34	40	85	3	Y	104	140	74.29	3	Y
44	60	73.33	3	Y	90	120	75	3	Y	30	40	75	3	Y	30	40	75	3	Y	106	140	75.71	3	Y
49	60	81.67	3	Y	106	120	88.33	3	Y	36	40	90	3	Y	34	40	85	3	Y	115	140	82.14	3	Y
42	60	70	3	Y	92	120	76.67	3	Y	32	40	80	3	Y	30	40	75	3	Y	98	140	70	3	Y
38	60	63.33	3	Y	88	120	73.33	3	Y	30	40	75	3	Y	28	40	70	3	Y	92	140	65.71	3	Y
40	60	66.67	3	Y	83	120	69.17	3	Y	25	40	62.5	3	Y	30	40	75	3	Y	92	140	65.71	3	Y
33	60	55	2	N	79	120	65.83	3	Y	28	40	70	3	Y	25	40	62.5	3	Y	83	140	59.29	2	N
35	60	58.33	2	N	77	120	64.17	3	Y	25	40	62.5	3	Y	24	40	60	3	Y	80	140	57.14	3	Y

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47	60	78.33	3	Y	106	120	88.33	3	Y	34	40	85	3	Y	38	40	95	3	Y	115	140	82.14	3	Y
49	60	81.67	3	Y	107	120	89.17	3	Y	30	40	75	3	Y	36	40	90	3	Y	116	140	82.86	3	Y
46	60	76.67	3	Y	109	120	90.83	3	Y	32	40	80	3	Y	37	40	92.5	3	Y	116	140	82.86	3	Y
40	60	66.67	3	Y	87	120	72.5	3	Y	30	40	75	3	Y	29	40	72.5	3	Y	94	140	67.14	3	Y
45	60	75	3	Y	104	120	86.67	3	Y	32	40	80	3	Y	30	40	75	3	Y	105	140	75	3	Y
50	60	83.33	3	Y	113	120	94.17	3	Y	32	40	80	3	Y	38	40	95	3	Y	107	140	76.43	3	Y
42	60	70	3	Y	86	120	71.67	3	Y	30	40	75	3	Y	30	40	75	3	Y	92	140	65.71	3	Y
50	60	83.33	3	Y	98	120	81.67	3	Y	36	40	90	3	Y	32	40	80	3	Y	104	140	74.29	3	Y
42	60	70	3	Y	87	120	72.5	3	Y	30	40	75	3	Y	29	40	72.5	3	Y	96	140	68.57	3	Y
46	60	76.67	3	Y	86	120	71.67	3	Y	34	40	85	3	Y	28	40	70	3	Y	96	140	68.57	3	Y
50	60	83.33	3	Y	116	120	96.67	3	Y	36	40	90	3	Y	40	40	100	3	Y	126	140	90	3	Y
44	60	73.33	3	Y	114	120	95	3	Y	36	40	90	3	Y	39	40	97.5	3	Y	123	140	87.86	3	Y
40	60	66.67	3	Y	90	120	75	3	Y	32	40	80	3	Y	30	40	75	3	Y	88	140	62.86	3	Y
44	60	73.33	3	Y	98	120	81.67	3	Y	34	40	85	3	Y	32	40	80	3	Y	110	140	78.57	3	Y
36	60	60	3	Y	81	120	67.5	3	Y	24	40	60	3	Y	25	40	62.5	3	Y	86	140	61.43	3	Y
50	60	83.33	3	Y	111	120	92.5	3	Y	35	40	87.5	3	Y	36	40	90	3	Y	118	140	84.29	3	Y
44	60	73.33	3	Y	105	120	87.5	3	Y	30	40	75	3	Y	38	40	95	3	Y	105	140	75	3	Y
49	60	81.67	3	Y	107	120	89.17	3	Y	32	40	80	3	Y	38	40	95	3	Y	114	140	81.43	3	Y
40	60	66.67	3	Y	96	120	80	3	Y	20	40	50	2	N	32	40	80	3	Y	102	140	72.86	3	Y
34	60	56.67	2	N	80	120	66.67	3	Y	22	40	55	2	N	22	40	55	2	N	92	140	65.71	3	Y
48	60	80	3	Y	114	120	95	3	Y	36	40	90	3	Y	35	40	87.5	3	Y	111	140	79.29	3	Y
49	60	81.67	3	Y	96	120	80	3	Y	32	40	80	3	Y	35	40	87.5	3	Y	108	140	77.14	3	Y
50	60	83.33	3	Y	92	120	76.67	3	Y	30	40	75	3	Y	28	40	70	3	Y	100	140	71.43	3	Y
40	60	66.67	3	Y	85	120	70.83	3	Y	32	40	80	3	Y	30	40	75	3	Y	93	140	66.43	3	Y
49	60	81.67	3	Y	89	120	74.17	3	Y	32	40	80	3	Y	28	40	70	3	Y	100	140	71.43	3	Y
50	60	83.33	3	Y	84	120	70	3	Y	36	40	90	3	Y	27	40	67.5	3	Y	99	140	70.71	3	Y
32	60	53.33	2	N	91	120	75.83	3	Y	32	40	80	3	Y	27	40	67.5	3	Y	90	140	64.29	3	Y
35	60	58.33	2	N	83	120	69.17	3	Y	30	40	75	3	Y	24	40	60	3	Y	82	140	58.57	2	N
33	60	55	2	N	71	120	59.17	2	N	32	40	80	3	Y	22	40	55	2	N	82	140	58.57	2	N
41	60	68.33	3	Y	75	120	62.5	3	Y	34	40	85	3	Y	27	40	67.5	3	Y	93	140	66.43	3	Y
48	60	80	3	Y	118	120	98.33	3	Y	38	40	95	3	Y	40	40	100	3	Y	126	140	90	3	Y
35	60	58.33	2	N	96	120	80	3	Y	35	40	87.5	3	Y	35	40	87.5	3	Y	109	140	77.86	3	Y
47	60	78.33	3	Y	103	120	85.83	3	Y	36	40	90	3	Y	38	40	95	3	Y	116	140	82.86	3	Y
46	60	76.67	3	Y	85	120	70.83	3	Y	26	40	65	3	Y	25	40	62.5	3	Y	98	140	70	3	Y
42	60	70	3	Y	96	120	80	3	Y	30	40	75	3	Y	28	40	70	3	Y	104	140	74.29	3	Y
50	60	83.33	3	Y	108	120	90	3	Y	34	40	85	3	Y	30	40	75	3	Y	108	140	77.14	3	Y
46	60	76.67	3	Y	85	120	70.83	3	Y	27	40	67.5	3	Y	28	40	70	3	Y	98	140	70	3	Y
42	60	70	3	Y	82	120	68.33	3	Y	28	40	70	3	Y	30	40	75	3	Y	98	140	70	3	Y
38	60	63.33	3	Y	69	120	57.5	2	N	22	40	55	2	N	23	40	57.5	2	N	88	140	62.86	3	Y
42	60	70	3	Y	90	120	75	3	Y	26	40	65	3	Y	30	40	75	3	Y	92	140	65.71	3	Y
42	60	70	3	Y	94	120	78.33	3	Y	28	40	70	3	Y	32	40	80	3	Y	94	140	67.14	3	Y
46	60	76.67	3	Y	96	120	80	3	Y	30	40	75	3	Y	33	40	82.5	3	Y	95	140	67.86	3	Y
36	60	60	3	Y	83	120	69.17	3	Y	22	40	55	2	N	24	40	60	3	Y	85	140	60.71	3	Y
35	60	58.33	2	N	77	120	64.17	3	Y	24	40	60	3	Y	22	40	55	2	N	82	140	58.57	2	N
36	60	60	3	Y	74	120	61.67	3	Y	28	40	70	3	Y	25	40	62.5	3	Y	87	140	62.14	3	Y
45	60	75	3	Y	112	120	93.33	3	Y	36	40	90	3	Y	38	40	95	3	Y	125	140	89.29	3	Y
48	60	80	3	Y	106	120	88.33	3	Y	38	40	95	3	Y	38	40	95	3	Y	112	140	80	3	Y
36	60	60	3	Y	78	120	65	3	Y	30	40	75	3	Y	27	40	67.5	3	Y	81	140	57.86	2	N

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42	60	70	3	Y	114	120	95	3	Y	35	40	87.5	3	Y	39	40	97.5	3	Y	100	140	71.43	3	Y
42	60	70	3	Y	88	120	73.33	3	Y	30	40	75	3	Y	32	40	80	3	Y	88	140	62.86	3	Y
53	60	88.33	3	Y	113	120	94.17	3	Y	35	40	87.5	3	Y	38	40	95	3	Y	111	140	79.29	3	Y
50	60	83.33	3	Y	113	120	94.17	3	Y	36	40	90	3	Y	38	40	95	3	Y	113	140	80.71	3	Y
40	60	66.67	3	Y	103	120	85.83	3	Y	30	40	75	3	Y	36	40	90	3	Y	101	140	72.14	3	Y
44	60	73.33	3	Y	105	120	87.5	3	Y	30	40	75	3	Y	35	40	87.5	3	Y	104	140	74.29	3	Y
40	60	66.67	3	Y	98	120	81.67	3	Y	28	40	70	3	Y	36	40	90	3	Y	96	140	68.57	3	Y
51	60	85	3	Y	116	120	96.67	3	Y	38	40	95	3	Y	38	40	95	3	Y	127	140	90.71	3	Y
44	60	73.33	3	Y	114	120	95	3	Y	38	40	95	3	Y	39	40	97.5	3	Y	119	140	85	3	Y
37	60	61.67	3	Y	107	120	89.17	3	Y	35	40	87.5	3	Y	35	40	87.5	3	Y	96	140	68.57	3	Y
40	60	66.67	3	Y	106	120	88.33	3	Y	32	40	80	3	Y	35	40	87.5	3	Y	99	140	70.71	3	Y
50	60	83.33	3	Y	118	120	98.33	3	Y	38	40	95	3	Y	39	40	97.5	3	Y	125	140	89.29	3	Y
51	60	85	3	Y	115	120	95.83	3	Y	39	40	97.5	3	Y	39	40	97.5	3	Y	130	140	92.86	3	Y
40	60	66.67	3	Y	109	120	90.83	3	Y	38	40	95	3	Y	38	40	95	3	Y	99	140	70.71	3	Y
44	60	73.33	3	Y	108	120	90	3	Y	34	40	85	3	Y	39	40	97.5	3	Y	105	140	75	3	Y
53	60	88.33	3	Y	110	120	91.67	3	Y	35	40	87.5	3	Y	39	40	97.5	3	Y	111	140	79.29	3	Y
42	60	70	3	Y	109	120	90.83	3	Y	32	40	80	3	Y	37	40	92.5	3	Y	100	140	71.43	3	Y
44	60	73.33	3	Y	87	120	72.5	3	Y	28	40	70	3	Y	25	40	62.5	3	Y	100	140	71.43	3	Y
49	60	81.67	3	Y	109	120	90.83	3	Y	38	40	95	3	Y	38	40	95	3	Y	114	140	81.43	3	Y
40	60	66.67	3	Y	113	120	94.17	3	Y	30	40	75	3	Y	40	40	100	3	Y	105	140	75	3	Y
38	60	63.33	3	Y	74	120	61.67	3	Y	25	40	62.5	3	Y	22	40	55	2	N	81	140	57.86	2	N

No. of students scoring	3	91
	2	8
	1	0
Average	2.92	

No. of students scoring	3	97
	2	2
	1	0
Average	2.98	

No. of students scoring	3	95
	2	4
	1	0
Average	2.96	

No. of students scoring	3	93
	2	6
	1	0
Average	2.94	

No. of students scoring	3	93
	2	6
	1	0
Average	2.94	


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Course Name	Project
Course Code	RME-754
Batch	2016 2020
Semester	7
Session	2019 2020
L:T:P	0.0.6

CO Attainment and Analysis

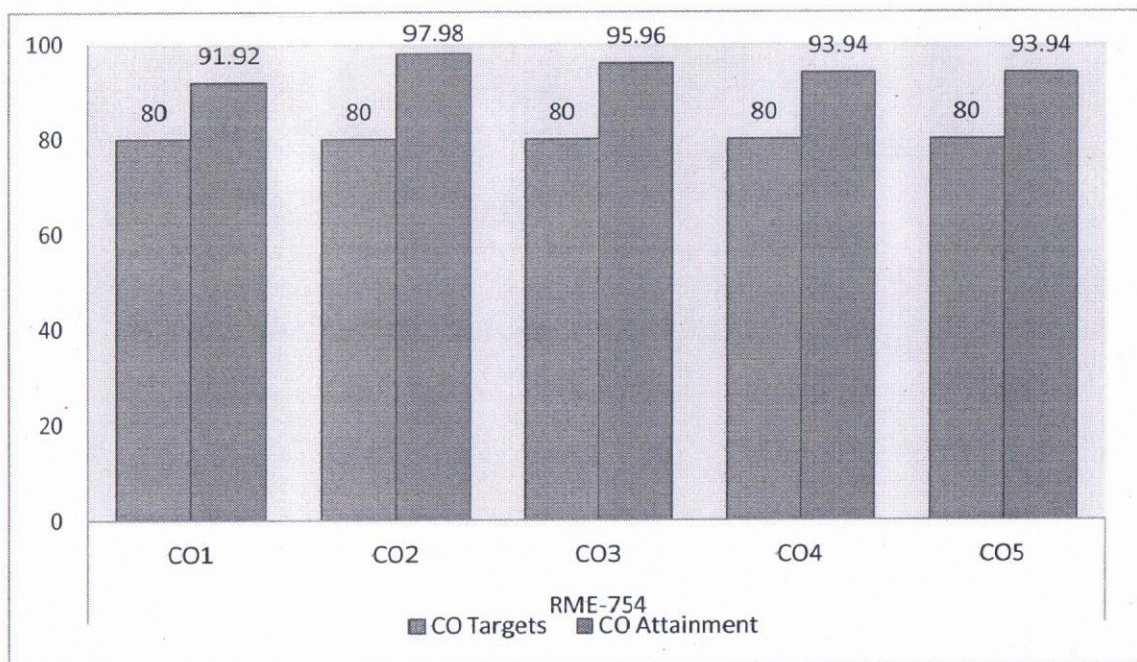
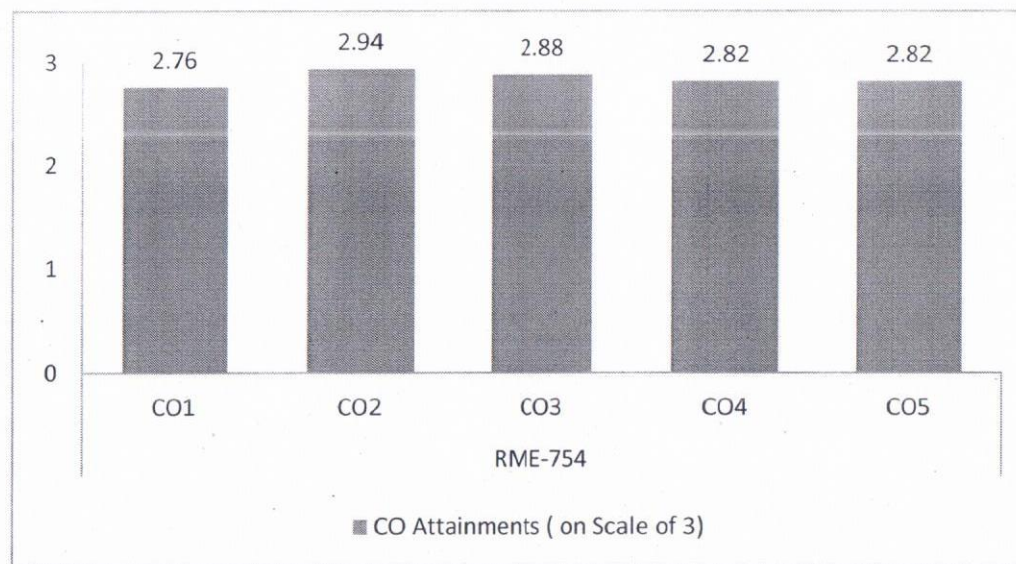
Direct CO Attainment using Continuous Internal Evaluation (CIE)

Course Code	CO	CO Attained (% of students getting $\geq 60\%$ marks)	CO Attained (On Scale of 3)
RME-754	CO1	91.92	2.76
	CO2	97.98	2.94
	CO3	95.96	2.88
	CO4	93.94	2.82
	CO5	93.94	2.82

Course Code	CO	CO Targets	CO Attainment	Y/N
RME-754	CO1	80	91.92	Y
	CO2	80	97.98	Y
	CO3	80	95.96	Y
	CO4	80	93.94	Y
	CO5	80	93.94	Y


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Course Code	CO	CO Attainment (On Scale of 3)
RME-754	CO1	2.76
	CO2	2.94
	CO3	2.88
	CO4	2.82
	CO5	2.82




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Course Name	Project
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Session	2019 2020
L:T:P	0.0.6

CO Attainment

Course Code	CO	CO Attainment
RME-754	CO1	91.92
	CO2	97.98
	CO3	95.96
	CO4	93.94
	CO5	93.94

CO-PO Mapping

Course Code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
RME-754	CO1 RME-754.1	3	3				2	2	2	3		2	3
	CO2 RME-754.2	2	2				1			3	2	2	2
	CO3 RME-754.3	2	2	3	2	1	2	2	2	3	2	3	2
	CO4 RME-754.4	3	3	3	3	3	3	3	3	3	3	3	3
	CO5 RME-754.5	3	3	3	3	3	3	3	3	3	3	3	3
Mapping Strength RME-754		2.6	2.6	3	2.666667	2.333333	2.2	2.5	2.5	3	2.5	2.6	2.6

PO Attainment

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Relevant COs	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO3 CO4 CO5	CO3 CO4 CO5	CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO3 CO4 CO5	CO1 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5
Average of attainments of Relevant COs	94.75	94.75	94.61	94.61	94.61	94.75	93.94	93.94	94.75	95.46	94.75	94.75
PO Attainment of PO = (Actual Mapping strength/Maximum Mapping Strength)* Average of attainments of relevant COs	82.12	82.12	94.61	84.1	73.59	69.48	78.28	78.28	94.75	79.55	82.12	82.12
PO Attainment (normalized to 3)	2.46	2.46	2.84	2.52	2.21	2.08	2.35	2.35	2.35	2.39	2.46	2.46

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Course Code	CO		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
RME-754	CO1	RME-754.1	2.46	2.46				1.39	1.57	1.57	2.84		1.64	2.46
	CO2	RME-754.2	1.64	1.64				0.69			2.84	1.59	1.64	1.64
	CO3	RME-754.3	1.64	1.64	2.84	1.68	0.74	1.39	1.57	1.57	2.84	1.59	2.46	1.64
	CO4	RME-754.4	2.46	2.46	2.84	2.52	2.21	2.08	2.35	2.35	2.84	2.39	2.46	2.46
	CO5	RME-754.5	2.46	2.46	2.84	2.52	2.21	2.08	2.35	2.35	2.84	2.39	2.46	2.46
PO Attainments		RME-754	2.14	2.14	2.84	2.24	1.72	1.53	1.96	1.96	2.84	1.99	2.14	2.14

CO-PSO Mapping

Course Code	CO		PSO1	PSO2	PSO3
RME-754	CO1	RME-754.1	3	3	3
	CO2	RME-754.2	3	3	3
	CO3	RME-754.3	3	3	3
	CO4	RME-754.4	3	3	3
	CO5	RME-754.5	3	3	3
Mapping Strength		RME-754	3	3	3

PSO Attainment

PSO	PSO1	PSO2	PSO3
Relevant COs	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5
Average of attainments of Relevant COs	94.75	94.75	94.75
PSO Attainment Attainment of PSO = (Actual Mapping strength/Maximum Mapping Strength)* Average of attainments of relevant COs	94.75	94.75	94.75
PSO Attainment (normalized to 3)	2.84	2.84	2.84

Course Code	CO		PSO1	PSO2	PSO3
RME-754	CO1	RME-754.1	2.84	2.84	2.84
	CO2	RME-754.2	2.84	2.84	2.84
	CO3	RME-754.3	2.84	2.84	2.84
	CO4	RME-754.4	2.84	2.84	2.84
	CO5	RME-754.5	2.84	2.84	2.84
PSO Attainments		RME-754	2.84	2.84	2.84


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Course Name Project
 Course Code RME-754
 Batch 2016 2020
 Semester 7
 Session 2019 2020
 L:T:P 0.0.6

CO Attainment Gap

Course Code	CO	CO Targets	CO Attainment	CO Attainment Gap (Target - Attainment)
RME-754	CO1	80	91.92	-11.92
	CO2	80	97.98	-17.98
	CO3	80	95.96	-15.96
	CO4	80	93.94	-13.94
	CO5	80	93.94	-13.94

If Gap > 0 : Target not attained

If Gap ≤ 0 : Target attained

Closure of Quality Loop

Course Code	CO	CO Targets	CO Attainment Gap	Action proposed to bridge the gap where targets are not achieved	Modification of targets where Achieved
RME-754	CO1	80	-11.92		Target is retained as same
	CO2	80	-17.98		Target is retained as same
	CO3	80	-15.96		Target is retained as same
	CO4	80	-13.94		Target is retained as same
	CO5	80	-13.94		Target is retained as same

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