

Course Name
Course Code
Batch
Semester
Session
L:T:P

Project
RME-754
2017 2021
7
2020 2021
0.0.6

Number of Students 61

- 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


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Program Outcomes (PO's)

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	3.0	2.7	2.3	2.2	2.5	2.5	3.0	2.5	2.6	2.6

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

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				
					CO1	CO1	CO5	CO5	CO2	CO3	CO5	CO5	CO4	CO2	CO2	CO5	
					Title & Feasibility	Abstract & Depth of Knowledge	Presentation as team and as an Individual	Questions and Answer	Design, Analysis and Work Distribution among Team Members	Implementation strategy	Presentation as team and as an Individual	Questions and Answer	Assessed Project Progress upto satisfaction level	Individual Contribution	Sincerity towards Work as Team	Questions and Answer	TOTAL
Rubrics																	
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	1708240003	Abhinav Gupta		19	39	19	40	40	39	19	19	39	39	39	39	195
2		1708240022	Ayush Kumar		19	38	17	36	30	40	15	18	32	40	35	40	180
3		1708240026	Lalit Kumar		17	35	12	35	30	32	12	16	38	39	39	39	172
4		1708240046	Sambhav Sharma		20	40	19	38	39	38	15	14	35	34	30	34	178
5	G2	1708240005	Abhishek Chandra		20	40	19	40	40	39	19	18	39	39	39	38	195
6		1708240050	Shivam Kumar		16	34	16	35	30	32	18	16	31	37	35	36	168
7		1708240001	Atif Khan		20	38	18	38	35	35	15	12	30	32	35	32	170
8		1708240044	Ritik Chandra		18	36	19	36	35	37	14	15	34	32	35	39	175
9	G3	1708240042	Rashi		20	40	20	40	20	40	20	20	40	40	40	40	190
10		1708240045	Rohan Sharma		18	38	17	39	39	38	18	17	38	38	38	38	188
11		1708240047	Sandeep Sharma		17	36	18	35	36	35	15	14	38	39	38	39	180
12		1708240048	Sarthak Dixit		12	34	16	38	39	39	19	19	38	38	39	39	185
13	G4	1708240043	Rishabh Goel		15	39	20	40	40	39	19	19	40	39	40	40	195
14		1708240033	Mohd. Amaan Khan		19	39	19	40	39	40	20	19	36	36	36	37	190
15		1708240058	Tushar Gupta		13	30	15	39	36	36	18	19	40	39	40	39	182
16		1708240012	Anas beig		10	28	12	26	25	30	11	12	30	31	30	35	140
17	G5	1708240051	Siddhant Sharma		19	38	20	38	39	39	19	19	40	40	39	40	195
18		1708240007	Aishvarya Krishn		18	38	18	36	38	40	19	18	39	38	35	33	185
19		1708240004	Abhinav Kumar		14	30	16	34	38	36	18	18	39	40	39	38	180
20		1808240901	Gaurav Rathore		12	32	15	37	36	38	19	19	40	38	38	40	182
21	G6	1608240004	Aakash Gautam		14	35	14	36	38	36	16	15	34	36	32	34	170
22		1708240039	Prashant Chaudhary		18	39	20	40	38	39	19	19	39	39	40	40	195
23		1708240036	Nitin Tomar		10	28	16	39	40	39	20	20	40	39	39	40	185
24		1708240059	Vivek Gupta		18	38	20	34	38	39	19	18	40	39	39	28	185
25	G7	1708240060	Vivek Kumar		8	32	19	38	38	38	16	19	39	38	39	40	182
26		1708240025	Kshitiz Shivam		18	30	19	38	38	38	20	19	40	40	40	40	190
27		1708240008	Akshat Dabas		18	35	20	38	40	40	18	20	40	38	38	39	192
28		1708240006	Aditya Sharma		18	39	18	40	39	38	18	16	38	38	39	39	190
29	G7	1708240040	Prateek Kumar		12	34	16	36	38	40	18	19	40	39	38	40	185
30		1708240041	Rajveer Saini		20	38	18	37	39	38	20	19	38	35	30	38	180

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31	G8	1708240014	Anuj	11	34	10	36
32		1708240031	Mohd. Salman	14	36	18	38
33		1708240035	Mohd. Samad Khan	10	36	20	38
34		1708240028	Manjeet Singh	14	36	14	32
35	G9	1708240062	Zaeemul Sajjad	17	36	18	34
36		1708240032	Mohd. Zaki	14	35	18	40
37		1708240054	Sourabh Kumar	12	36	19	40
38		1708240019	Ashutosh Bhardwaj	14	38	19	38
39	G10	1708240021	Ayush Kumar	12	32	18	38
40		1708240052	Siddhartha Raja	18	40	19	40
41		1708240015	Anurag Joshi	12	32	15	39
42		1708240049	Shashi Prakash	14	35	15	36
43	G11	1808240902	Shubham Shukla	12	30	19	40
44		1708240053	Siraj Ahmad	15	35	18	30
45		1708240016	Anurag Vashishth	18	39	19	38
46		1708240002	Abdul Kabir	19	40	19	39
47	G12	1708240055	Subhash Chandra Pandey	15	35	16	36
48		1708240017	Aryan Kumar	16	34	18	32
49		1708240013	Ankit Kumar Gangwar	19	39	19	40
50		1708240027	Lucky Kumar	12	18	16	39
51	G13	1608240066	Rajat Saini	10	25	10	25
52		1708240018	Asheesh Kumar	11	24	12	28
53		1608240067	Rajnish Chauhan	11	30	14	32
54		1708240030	Mohd. Aqib	14	35	19	38
55	G14	1708240037	Nitish Pandey	10	38	20	39
56		1708240038	Oskar Pourya	12	35	20	39
57		1708240023	Himanshu Yadav	14	36	18	40
58		1708240011	Ambesh Kumar Pal	16	40	18	38
59	G14	1708240061	Yogendra Pal Singh	14	32	12	32
60		1708240010	Aman Agarwal	12	30	12	36
61		1708240020	Ashutosh Kumar	10	28	18	38

34	32	12	10
39	40	19	18
37	38	19	20
34	36	10	12
38	39	12	10
38	36	19	20
40	36	19	20
38	40	18	19
40	38	19	18
38	39	20	19
38	40	19	18
38	32	14	18
38	38	19	20
30	29	14	10
38	38	18	18
40	38	18	19
37	38	19	18
40	39	18	19
39	38	19	20
38	39	20	19
30	30	10	10
30	35	17	16
32	34	10	12
40	38	18	18
38	39	18	19
38	39	19	20
39	35	19	18
36	38	18	19
35	36	18	16
35	38	19	20
38	36	18	19

31	30	30	30	150
40	40	39	39	190
40	39	39	40	188
32	32	32	36	160
29	28	29	30	160
40	40	40	40	190
39	39	40	40	190
40	40	38	38	190
38	39	40	38	185
39	40	39	39	195
40	39	38	40	185
38	38	39	39	178
40	36	40	38	185
21	22	28	28	140
40	38	40	40	192
40	40	40	40	196
38	40	39	39	185
38	34	38	34	180
40	40	38	39	195
40	40	39	40	180
30	34	30	36	140
32	32	32	31	150
27	23	25	30	140
40	40	40	40	190
40	39	38	38	188
40	40	38	40	190
39	35	39	38	185
40	39	40	38	190
40	38	39	38	175
38	39	36	35	175
39	38	40	38	180

Course Code	CO	CO Attained (% of students getting $\geq 60\%$ marks)	CO Attained (On Scale of 3)
RME-754	CO1	95.08	2.85
	CO2	100	3
	CO3	100	3
	CO4	98.36	2.95
	CO5	100	3


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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	118	120	98.33	3	Y	39	40	97.5	3	Y	39	40	97.5	3	Y	136	140	97.14	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	108	120	90	3	Y	32	40	80	3	Y	38	40	95	3	Y	114	140	81.43	3	Y
60	60	100	3	Y	103	120	85.83	3	Y	38	40	95	3	Y	35	40	87.5	3	Y	120	140	85.71	3	Y
60	60	100	3	Y	118	120	98.33	3	Y	39	40	97.5	3	Y	39	40	97.5	3	Y	134	140	95.71	3	Y
50	60	83.33	3	Y	102	120	85	3	Y	32	40	80	3	Y	31	40	77.5	3	Y	121	140	86.43	3	Y
58	60	96.67	3	Y	102	120	85	3	Y	35	40	87.5	3	Y	30	40	75	3	Y	115	140	82.14	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
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
56	60	93.33	3	Y	115	120	95.83	3	Y	38	40	95	3	Y	38	40	95	3	Y	129	140	92.14	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	121	140	86.43	3	Y
46	60	76.67	3	Y	116	120	96.67	3	Y	39	40	97.5	3	Y	38	40	95	3	Y	131	140	93.57	3	Y
54	60	90	3	Y	119	120	99.17	3	Y	39	40	97.5	3	Y	40	40	100	3	Y	138	140	98.57	3	Y
58	60	96.67	3	Y	111	120	92.5	3	Y	40	40	100	3	Y	36	40	90	3	Y	135	140	96.43	3	Y
43	60	71.67	3	Y	115	120	95.83	3	Y	36	40	90	3	Y	40	40	100	3	Y	130	140	92.86	3	Y
38	60	63.33	3	Y	86	120	71.67	3	Y	30	40	75	3	Y	30	40	75	3	Y	96	140	68.57	3	Y
57	60	95	3	Y	118	120	98.33	3	Y	39	40	97.5	3	Y	40	40	100	3	Y	136	140	97.14	3	Y
56	60	93.33	3	Y	111	120	92.5	3	Y	40	40	100	3	Y	39	40	97.5	3	Y	124	140	88.57	3	Y
44	60	73.33	3	Y	117	120	97.5	3	Y	36	40	90	3	Y	39	40	97.5	3	Y	124	140	88.57	3	Y
44	60	73.33	3	Y	112	120	93.33	3	Y	38	40	95	3	Y	40	40	100	3	Y	130	140	92.86	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
57	60	95	3	Y	117	120	97.5	3	Y	39	40	97.5	3	Y	39	40	97.5	3	Y	138	140	98.57	3	Y
38	60	63.33	3	Y	118	120	98.33	3	Y	39	40	97.5	3	Y	40	40	100	3	Y	135	140	96.43	3	Y
56	60	93.33	3	Y	116	120	96.67	3	Y	39	40	97.5	3	Y	40	40	100	3	Y	119	140	85	3	Y
40	60	66.67	3	Y	115	120	95.83	3	Y	38	40	95	3	Y	39	40	97.5	3	Y	132	140	94.29	3	Y
48	60	80	3	Y	118	120	98.33	3	Y	38	40	95	3	Y	40	40	100	3	Y	136	140	97.14	3	Y
53	60	88.33	3	Y	116	120	96.67	3	Y	40	40	100	3	Y	40	40	100	3	Y	135	140	96.43	3	Y
57	60	95	3	Y	116	120	96.67	3	Y	38	40	95	3	Y	38	40	95	3	Y	131	140	93.57	3	Y
46	60	76.67	3	Y	115	120	95.83	3	Y	40	40	100	3	Y	40	40	100	3	Y	129	140	92.14	3	Y
58	60	96.67	3	Y	104	120	86.67	3	Y	38	40	95	3	Y	38	40	95	3	Y	122	140	87.14	3	Y
45	60	75	3	Y	94	120	78.33	3	Y	32	40	80	3	Y	31	40	77.5	3	Y	98	140	70	3	Y

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50	60	83.33	3	Y	118	120	98.33	3	Y	40	40	100	3	Y	40	40	100	3	Y	132	140	94.29	3	Y
46	60	76.67	3	Y	115	120	95.83	3	Y	38	40	95	3	Y	40	40	100	3	Y	137	140	97.86	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
53	60	88.33	3	Y	95	120	79.17	3	Y	39	40	97.5	3	Y	29	40	72.5	3	Y	104	140	74.29	3	Y
49	60	81.67	3	Y	118	120	98.33	3	Y	36	40	90	3	Y	40	40	100	3	Y	137	140	97.86	3	Y
48	60	80	3	Y	119	120	99.17	3	Y	36	40	90	3	Y	39	40	97.5	3	Y	138	140	98.57	3	Y
52	60	86.67	3	Y	116	120	96.67	3	Y	40	40	100	3	Y	40	40	100	3	Y	132	140	94.29	3	Y
44	60	73.33	3	Y	119	120	99.17	3	Y	38	40	95	3	Y	38	40	95	3	Y	131	140	93.57	3	Y
58	60	96.67	3	Y	117	120	97.5	3	Y	39	40	97.5	3	Y	39	40	97.5	3	Y	137	140	97.86	3	Y
44	60	73.33	3	Y	115	120	95.83	3	Y	40	40	100	3	Y	40	40	100	3	Y	131	140	93.57	3	Y
49	60	81.67	3	Y	115	120	95.83	3	Y	32	40	80	3	Y	38	40	95	3	Y	122	140	87.14	3	Y
42	60	70	3	Y	114	120	95	3	Y	38	40	95	3	Y	40	40	100	3	Y	136	140	97.14	3	Y
50	60	83.33	3	Y	80	120	66.67	3	Y	29	40	72.5	3	Y	21	40	52.5	2	N	100	140	71.43	3	Y
57	60	95	3	Y	116	120	96.67	3	Y	38	40	95	3	Y	40	40	100	3	Y	133	140	95	3	Y
59	60	98.33	3	Y	120	120	100	3	Y	38	40	95	3	Y	40	40	100	3	Y	135	140	96.43	3	Y
50	60	83.33	3	Y	116	120	96.67	3	Y	38	40	95	3	Y	38	40	95	3	Y	128	140	91.43	3	Y
50	60	83.33	3	Y	112	120	93.33	3	Y	39	40	97.5	3	Y	38	40	95	3	Y	121	140	86.43	3	Y
58	60	96.67	3	Y	117	120	97.5	3	Y	38	40	95	3	Y	40	40	100	3	Y	137	140	97.86	3	Y
30	60	50	2	N	117	120	97.5	3	Y	39	40	97.5	3	Y	40	40	100	3	Y	134	140	95.71	3	Y
35	60	58.33	2	N	94	120	78.33	3	Y	30	40	75	3	Y	30	40	75	3	Y	91	140	65	3	Y
35	60	58.33	2	N	94	120	78.33	3	Y	35	40	87.5	3	Y	32	40	80	3	Y	104	140	74.29	3	Y
41	60	68.33	3	Y	80	120	66.67	3	Y	34	40	85	3	Y	27	40	67.5	3	Y	98	140	70	3	Y
49	60	81.67	3	Y	120	120	100	3	Y	38	40	95	3	Y	40	40	100	3	Y	133	140	95	3	Y
48	60	80	3	Y	115	120	95.83	3	Y	39	40	97.5	3	Y	40	40	100	3	Y	134	140	95.71	3	Y
47	60	78.33	3	Y	116	120	96.67	3	Y	39	40	97.5	3	Y	40	40	100	3	Y	138	140	98.57	3	Y
50	60	83.33	3	Y	113	120	94.17	3	Y	35	40	87.5	3	Y	39	40	97.5	3	Y	133	140	95	3	Y
56	60	93.33	3	Y	115	120	95.83	3	Y	38	40	95	3	Y	40	40	100	3	Y	131	140	93.57	3	Y
46	60	76.67	3	Y	112	120	93.33	3	Y	36	40	90	3	Y	40	40	100	3	Y	116	140	82.86	3	Y
42	60	70	3	Y	110	120	91.67	3	Y	38	40	95	3	Y	38	40	95	3	Y	122	140	87.14	3	Y
38	60	63.33	3	Y	116	120	96.67	3	Y	36	40	90	3	Y	39	40	97.5	3	Y	131	140	93.57	3	Y

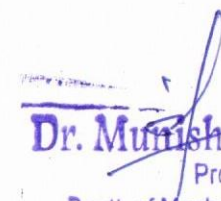
No. of students scoring	3	58
	2	3
	1	0
Average		2.95

No. of students scoring	3	61
	2	0
	1	0
Average		3

No. of students scoring	3	61
	2	0
	1	0
Average		3

No. of students scoring	3	60
	2	1
	1	0
Average		2.98

No. of students scoring	3	61
	2	0
	1	0
Average		3


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Course Name Project
 Course Code RME-754
 Batch 2017 2021
 Semester 7
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 L:T:P 0.0.6

CO Attainment and Analysis

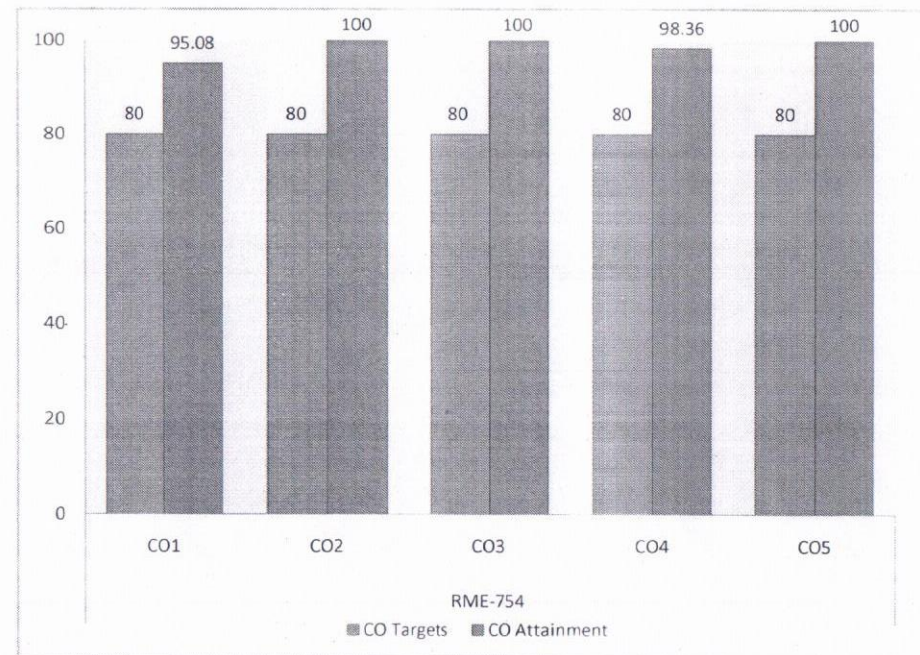
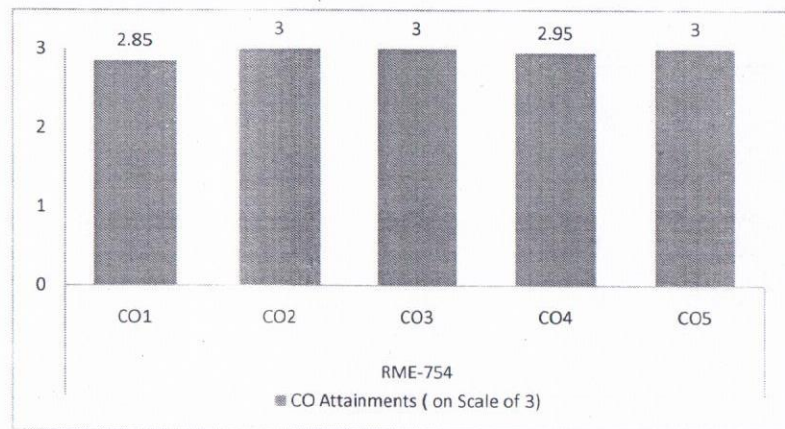
Direct CO Attainment using Continuous Internal Evaluation (CIE)

Course Code	CO	CO Attained (% of students getting $\geq 60\%$ marks)	CO Attained (On Scale of 3)
RME-754	CO1	95.08	2.85
	CO2	100	3
	CO3	100	3
	CO4	98.36	2.95
	CO5	100	3

Course Code	CO	CO Targets	CO Attainment	Y/N
RME-754	CO1	80	95.08	Y
	CO2	80	100	Y
	CO3	80	100	Y
	CO4	80	98.36	Y
	CO5	80	100	Y

Course Code	CO	CO Attainment (On Scale of 3)
RME-754	CO1	2.85
	CO2	3
	CO3	3
	CO4	2.95
	CO5	3


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CO Attainment

Course Code	CO	CO Attainment
RME-754	CO1	95.08
	CO2	100
	CO3	100
	CO4	98.36
	CO5	100

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	98.69	98.69	99.45	99.45	99.45	98.69	98.36	98.36	98.69	99.59	98.69	98.69
PO Attainment of PO = (Actual Mapping strength/Maximum Mapping Strength)* Average of attainments of relevant COs	85.53	85.53	99.45	88.4	77.35	72.37	81.97	81.97	98.69	82.99	85.53	85.53
PO Attainment (normalized to 3)	2.57	2.57	2.98	2.65	2.32	2.17	2.46	2.46	2.96	2.49	2.57	2.57

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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	2.57	2.57				1.45	1.64	1.64	2.96		1.71	2.57
	CO2	RME-754.2	1.71	1.71				0.72			2.96	1.66	1.71	1.71
	CO3	RME-754.3	1.71	1.71	2.98	1.77	0.77	1.45	1.64	1.64	2.96	1.66	2.57	1.71
	CO4	RME-754.4	2.57	2.57	2.98	2.65	2.32	2.17	2.46	2.46	2.96	2.49	2.57	2.57
	CO5	RME-754.5	2.57	2.57	2.98	2.65	2.32	2.17	2.46	2.46	2.96	2.49	2.57	2.57
PO Attainments		RME-754	2.22	2.22	2.98	2.36	1.8	1.59	2.05	2.05	2.96	2.07	2.22	2.22

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	98.69	98.69	98.69
PSO Attainment Attainment of PSO = (Actual Mapping strength/Maximum Mapping Strength)* Average of attainments of relevant COs	98.69	98.69	98.69
PSO Attainment (normalized to 3)	2.96	2.96	2.96

Course Code	CO		PSO1	PSO2	PSO3
RME-754	CO1	RME-754.1	2.96	2.96	2.96
	CO2	RME-754.2	2.96	2.96	2.96
	CO3	RME-754.3	2.96	2.96	2.96
	CO4	RME-754.4	2.96	2.96	2.96
	CO5	RME-754.5	2.96	2.96	2.96
PSO Attainments		RME-754	2.96	2.96	2.96


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CO Attainment Gap

Course Code	CO	CO Targets	CO Attainment	CO Attainment Gap (Target - Attainment)
RME-754	CO1	80	95.08	-15.08
	CO2	80	100	-20.00
	CO3	80	100	-20.00
	CO4	80	98.36	-18.36
	CO5	80	100	-20.00

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	-15.08		Target is retained as same
	CO2	80	-20.00		Target is retained as same
	CO3	80	-20.00		Target is retained as same
	CO4	80	-18.36		Target is retained as same
	CO5	80	-20.00		Target is retained as same

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