

Course Name Project
Course Code NME-852
Batch 2015 2019
Semester 8
Session 2018 2019
L:T:P 0.0.12

Number of Students 151

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 S4: CO Attainment using Semester End Examination (SEE)

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
NME-852	CO1	NME-852.1	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	NME-852.2	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	NME-852.3	Prepare the software requirement specification (SRS) of the project that describes the analysis and design of the project based on the requirements.	Understand
	CO4	NME-852.4	Measure/test the performance of the undergoing project in different conditions with the help of different parameters.	Analyze
	CO5	NME-852.5	Prepare a report/poster/presentation/research paper about the project work undertaken by the student groups.	Evaluate

Targets for CO Attainments

Level	Marks
3	≥ 80%
2	≥ 60% and < 80%
1	< 60%

Aim is to attain level 3

Course Code	CO		% of students getting marks ≥ 60%
NME-852	CO1	NME-852.1	80
	CO2	NME-852.2	80
	CO3	NME-852.3	80
	CO4	NME-852.4	80
	CO5	NME-852.5	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
NME-852	CO1	NME-852.1	3	3				2	2	2	3		2	3
	CO2	NME-852.2	2	2				1			3	2	2	2
	CO3	NME-852.3	2	2	3	2	1	2	2	2	3	2	3	2
	CO4	NME-852.4	3	3	3	3	3	3	3	3	3	3	3	3
	CO5	NME-852.5	3	3	3	3	3	3	3	3	3	3	3	3
Mapping Strength		NME-852	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
NME-852	CO1	NME-852.1	3	3	3
	CO2	NME-852.2	3	3	3
	CO3	NME-852.3	3	3	3
	CO4	NME-852.4	3	3	3
	CO5	NME-852.5	3	3	3
Mapping Strength		NME-852	3	3	3

Direct Assessment using Continuous Internal Evaluation (CIE)

Phase 1				
	CO3	CO4	CO5	CO5
Rubrics	Refine the Requirements to Incorporate Suggestions (05)	Objectives Meet/ Results as per the Expected time plan	Presen- tation as team and as an Individual	Questions and Answer
Max Marks	5	5	5	5

Phase 2				
CO5	CO4	CO5	CO5	CO5
Final Report	Final Demons- tration	Presen- tation as team and as an Individual	Questions and Answer	Research Paper Writing Based on Project
10	10	10	5	5

Project Supervisor				
CO4	CO5	CO2	CO2	CO5
Assessed Project Progress	Development of Prototype/ Model upto satisfaction level	Individual Contrib- ution	Sincerity towards Work as Team	Project Report/Demo Preparation as per guidelines
10	10	10	5	5

Direct Assessment using Semester End Examination (SEE)

	SEE
Marks	200
CO1	Y
CO2	Y
CO3	Y
CO4	Y
CO5	Y


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CO Attainment using Continuous Internal Evaluation (CIE)

				Phase 1				Phase 2					Project Supervisor						
				CO3	CO4	CO5	CO5	CO5	CO4	CO5	CO5	CO5	CO5	CO4	CO5	CO2	CO2	CO5	
Rubrics				Refine the Requirements to Incorporate Suggestions (05)	Objectives Meet/ Results as per the Expected time plan	Presen- tation as team and as an Individual	Questions and Answer	Final Report	Final Demons- tration	Presen- tation as team and as an Individual	Questions and Answer	Research Paper Writing Based on Project	Assessed Project Progress	Development of Prototype/ Model upto satisfaction level	Individual Contri- bution	Sincerity towards Work as Team	Project Report/ Demo Preparation as per guidelines	TOTAL	
S.No.	Project Group	Univ. Roll No.	Name	Max Marks															
1	G1	1508240175	Yash Sinha		5	5	5	5	10	10	10	5	5	10	10	10	5	5	100
2		1508240167	Vibhav Deep Kumar		5	5	5	5	10	10	10	5	5	9	9	9	5	4	96
3		1508240168	Vibhu Sharma		5	5	5	5	9	10	9	5	4	8	9	8	5	4	91
4		1508240139	Saqib Shakeel		5	5	5	5	8	9	8	4	4	9	10	9	4	5	90
5		1508240133	Sachin Kumar		3	3	3	3	9	9	9	4	4	9	8	6	4	4	86
6	G2	1608240902	Amrish Kumar		5	5	5	5	10	10	10	5	5	5	6	6	3	3	55
7		1508240159	Shyam Sunder Yadav		5	5	5	5	10	10	10	5	5	10	9	9	4	4	96
8		1508240150	Shivam Kr. Raghav		5	5	5	4	9	9	9	4	4	9	10	9	4	4	96
9		1508240137	Sanjay Kr. Paswan		3	3	3	3	9	9	9	4	4	9	10	10	4	5	92
10		1508240140	Saurabh		3	4	3	4	5	6	5	3	4	6	7	8	5	4	65
11	G3	1508240156	Shubham Shrama		5	5	5	5	6	5	5	4	3	7	6	7	4	4	65
12		1608240903	Ashish Sharma		5	5	5	5	10	10	10	4	5	10	8	9	5	4	95
13		1508240172	Vikram Jeet Singh		5	5	4	4	9	9	9	4	4	8	8	6	4	4	85
14		1508240174	Vineet Kr. Rall		5	5	5	4	10	9	9	4	5	9	9	9	5	4	91
15		1508240144	Shashank Sharma		3	3	3	4	9	9	9	5	4	9	8	9	4	5	90
16	G4	1508240028	Anubhav Shrama		5	5	5	5	6	6	6	4	4	7	6	6	4	3	65
17		1508240038	Avinash Gupta		5	5	5	5	10	10	9	5	4	9	10	9	5	4	95
18		1508240017	Aman Kant Pal		5	5	5	5	10	9	9	4	5	9	10	8	4	4	92
19		1508240039	Avneesh Kumar		5	5	5	4	9	8	9	4	4	9	9	9	4	4	89
20		1508240018	Amit Kumar		5	5	4	4	9	8	7	4	3	7	8	7	4	4	80
21	G5	1508240089	Mohd. Naved		5	5	5	5	8	8	6	4	3	6	9	8	3	4	77
22		1508240098	Mosin Ali		4	5	4	5	9	10	9	5	5	9	10	9	5	4	95
23		1508240101	Nabeel Ur Rehman		4	4	5	4	10	9	9	4	4	9	9	10	4	4	90
24		1508240080	Mayyur Khan		5	5	5	5	9	9	9	4	4	9	10	9	4	5	89
25		1508240100	Mukul Dhariwal		3	3	3	3	10	9	7	4	3	7	8	8	3	4	83
26	G6	1508240096	Mohit Kr. Sagar		5	5	5	5	5	5	6	3	3	7	6	6	4	3	60
27		1508240095	Mohit Kumar		5	5	5	5	10	9	10	5	4	10	10	9	5	4	96
28		1508240103	Nidal Ahmad		5	4	4	5	10	9	10	5	5	9	8	8	5	4	93
29		1508240093	Mohd. Suhail		5	4	5	4	9	9	9	5	4	9	9	8	4	4	88
30		1508240126	Ravi Singh Aroliya		3	3	3	3	9	9	9	3	4	7	8	8	3	3	83

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31	G7	1508240134	Sachin Kumar	5	5	5	5
32		1508240146	Shiv Om	5	4	5	4
33		1508240149	Shivam Kumar	4	5	5	5
34		1508240141	Saurav Kr. Verma	4	5	4	4
35	G8	1508240147	Shivam	3	4	3	4
36		1508240158	Shubham Singh	5	5	4	5
37		1508240157	Shubham Sherawat	5	5	4	5
38		1508240164	Vaibhav Tyagi	5	5	5	5
39		1508240155	Shubham Kumar	5	5	5	5
40	G9	1508240007	Abhishek Tomar	4	3	4	3
41		1508240033	Asheesh Raghav	5	5	5	5
42		1508240014	Alok Chandra Rana	5	5	5	5
43		1508240034	Ashhad Khan	5	5	5	5
44		1508240138	Sankalp Raj Himgiri	4	4	4	3
45	G10	1508240025	Anshul Verma	3	3	3	3
46		1508240125	Ramil Chauhan	5	5	5	5
47		1508240054	Harshit Singh	5	5	4	5
48		1508240071	Kush Vishb Karma	5	5	5	5
49		1508240075	Manish Chauhan	5	5	4	4
50	G11	1508240035	Ashish Kr. Chauhan	5	5	5	5
51		1508240020	Ankit Chauhan	5	4	5	4
52		1508240021	Ankit Kr. Chauhan	5	5	5	5
53		1508240027	Anubhav Pratap	5	5	5	5
54		1508240012	Akshay Pratap Singh	5	4	4	4
55	G12	1508240030	Anuj Singh	5	4	4	4
56		1508240176	Yash Varshney	4	5	5	5
57		1508240128	Rishik Rastogi	5	4	5	4
58		1508240011	Akshay Pathak	4	5	5	4
59		1608240904	Divyaansh Khanna	5	5	5	4
60	G13	1508240032	Anurag Vishnoi	4	4	4	3
61		1508240006	Abhishek Singh	5	5	4	5
62		1508240004	Abhishek Gangwar	5	5	4	5
63		1508240058	Hitesh Kumar	5	4	5	4
64		1508240015	Aman Singh	5	5	5	5
65	G14	1508240043	Deepak Kumar	3	3	3	4
66		1508240111	Pradeep Saini	5	4	5	5
67		1508240110	Pawan Rajput	5	5	5	5
68		1508240129	Rohit Prasad Yadav	5	4	5	4
69		1508240106	Nitin Kr. Chauhan	3	4	3	4
70	G15	1508240079	Mayank Gill	4	5	4	5
71		1508240041	Bhoopendra Singh	5	5	4	5
72		1508240114	Prashant Kumar	5	4	4	5
73		1508240104	Nishant Chauhan	5	5	4	5
74		1508240081	Mohd. Tayyab	5	5	5	5
75	G16	1508240091	Mohd. Sarfraz Saifi	5	5	4	4
76		1508240036	Ashish Raj	5	5	4	5
77		1508240040	Ayush Gupta	5	4	5	4
78		1508240067	Karuna Sagar	5	5	4	4

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9	10	8			99

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79		1508240024	Anmol Kumar	4	4	3	4
80		1508240044	Deepanshu Kumar	5	5	4	4
81	G17	1508240130	Rohit Singh	5	5	5	4
82		1508240148	Shivam Chaudhary	5	5	4	5
83		1508240132	S. Kshitiz Prakash	5	5	5	5
84		1508240143	Shashank Pal	5	5	4	4
85		1508240135	Sajal Gupta	5	5	4	5
86	G18	1508240116	Prince Gupta	5	5	5	5
87		1508240120	Rahul Singhal	5	5	4	4
88		1508240112	Prakhar Gupta	5	4	4	5
89		1508240124	Raman Kr. Chauhan	5	5	4	4
90		1508240118	Priyesh Kr. Dubey	5	5	5	4
91	G19	1508240087	Mohd. Faiz Abbas	5	5	4	5
92		1508240082	Mohd. Adnan	5	5	5	5
93		1508240109	Paras Kumar	5	5	4	4
94		1508240003	Abdur Rehman	5	4	4	5
95		1508240059	Ishaan Kumar	5	5	4	5
96	G20	1508240154	Shubham	5	5	5	4
97		1508240042	Deepak Agarwal	5	5	5	5
98		1508240161	Udit Sharma	5	5	5	4
99		1508240001	Aakash Singh	5	5	5	5
100		1508240152	Shozab Abbas	5	4	4	4
101	G21	1508240072	Lovish Madan	5	5	5	4
102		1508240078	Manu Gupta	5	5	4	5
103		1508240013	Akshay Singh	5	4	5	4
104		1508240088	Mohd. Javed	5	5	4	4
105		1508240177	Yogesh Kumar	3	3	3	3
106	G22	1508240055	Harshit Upadhyay	5	5	5	5
107		1508240051	Guru Raj Singh	5	5	5	4
108		1508240053	Hammad Uz Zafar Khan	3	4	3	4
109		1508240057	Hemant Kumar	5	5	5	4
110		1508240063	Jitin Kumar	5	5	5	5
111	G23	1508240065	Kapil Kumar	5	5	4	4
112		1508240060	Jai Prakash	5	5	5	4
113		1508240023	Anmol Bhatnagar	5	5	5	5
114		1508240019	Aniruddh Goel	4	4	3	4
115		1508240097	Monis Ahmad	5	5	4	5
116	G24	1508240107	Pankaj Kumar	5	5	5	5
117		1508240084	Mohd. Kokab	5	5	5	4
118		1508240085	Mohd. Aqib	5	5	4	4
119		1508240105	Nishant Kumar	5	4	4	4
120		1508240092	Mohd. Suhail	5	5	5	4
121	G25	1508240099	Mohd. Junaid	5	5	5	4
122		1508240002	Aayush	5	4	5	5
123		1508240090	Mohd. Parvez Khan	5	5	5	4
124		1508240008	Ahmad Salman	5	4	4	4
125		1508240121	Raj Kumar Singh	5	5	5	5
126		1508240113	Pranoop Khanna	5	5	5	4

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9	8	9	4	4	92
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9	8	9	4	4	90
9	9	9	4	4	87
9	10	9	5	4	95
10	10	10	5	5	100
9	9	9	5	4	94
9	8	9	3	4	88
9	9	9	4	4	86
9	10	10	5	4	96
9	9	10	4	4	92
9	9	9	4	4	90
9	8	8	4	4	86
5	5	5	3	3	55
8	9	8	4	4	88
9	10	9	5	4	95
6	7	7	3	4	70
8	9	8	3	4	82
10	9	10	5	4	96
6	8	7	3	4	77
10	9	8	4	4	93
8	7	8	3	4	88
8	8	8	4	4	80
9	9	10	4	5	95
9	10	8	4	4	92
8	7	8	3	4	85
9	8	9	4	4	85
8	9	8	4	4	80
9	9	10	5	4	94
8	8	8	3	4	89
9	9	10	4	4	90
8	9	8	4	4	88
8	7	9	4	4	83
8	9	8	3	4	92
8	9	8	3	4	89

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127	G26	1508240119	Rahul Kr. Saini	5	4	4	5
128		1508240122	Rakshit Bhatt	5	4	5	4
129		1508240115	Prashant Lambe	4	3	4	3
130	G27	1508240046	Dheeraj Chauhan	5	5	5	5
131		1508240066	Kartik Vaish	5	5	4	5
132		1508240062	Jatin Kumar Singh	5	5	5	5
133		1508240151	Shivanshu Thakur	5	5	5	5
134		1408240076	Jayan Bhardwaj	3	3	4	3
135	G28	1508240142	Shashank Bajpai	3	4	3	4
136		1508210115	Rohit Ahuja	5	4	5	4
137		1508240163	Utkarsh Rastogi	3	4	3	4
138		1508240145	Shaurya Gupta	3	3	4	3
139		1508240162	Umesh Kashyap	3	3	4	3
140	G29	1508240073	Mahesh Panday	5	5	5	4
141		1508240086	Mohd. Arif	5	4	4	4
142		1508240074	Manish	5	5	5	4
143		1508240068	Kranti Gangwar	5	5	5	5
144		1508240076	Manjeet Chahal	4	3	4	3
145	G30	1608240906	Ravi Kumar	5	5	5	5
146		1608240901	Akash Verma	3	3	3	3
147		1408240087	Lovejeet Chahal	4	3	3	4
148	G31	1508240173	Vikram Kumar	5	4	5	4
149		1408240046	Chaudhary Vishal	3	4	3	3
150		1408240171	Suraj Kumar Verma	3	4	3	3
151		1508240029	Anuj Pratap Singh	5	4	4	4

8	9	8	3	4
8	7	8	4	4
7	7	8	4	3
9	10	10	4	5
10	9	10	4	5
9	10	10	4	5
9	8	9	4	4
7	8	8	3	4
6	6	6	4	3
8	6	7	3	4
7	8	8	4	4
8	8	9	4	3
5	5	5	3	3
10	10	9	5	4
8	7	8	3	4
9	9	8	4	4
9	9	8	3	4
6	6	6	4	3
9	10	9	5	5
5	6	6	3	3
6	5	5	3	3
9	8	8	3	4
5	5	5	3	3
5	5	5	3	3
9	8	9	4	4

7	8	9	3	4	81
8	9	8	4	4	82
5	5	6	3	3	65
9	10	9	5	5	96
10	9	9	5	4	94
10	9	10	4	5	96
8	7	8	3	4	84
8	7	6	3	3	70
6	6	7	4	3	65
8	7	8	3	4	76
8	8	7	4	4	76
7	8	8	4	4	76
5	5	5	3	3	55
10	9	10	5	4	95
8	9	8	4	4	80
6	7	8	3	4	81
8	8	8	4	4	85
6	6	6	4	4	65
9	10	9	5	4	95
6	6	6	4	3	60
5	6	6	3	4	60
8	7	8	3	4	80
5	5	5	3	3	55
5	4	6	3	3	55
8	9	8	4	5	85

Course Code	CO	CO Attained (% of students getting $\geq 80\%$ marks)	CO Attained (On Scale of 3)
NME-852	CO1		
	CO2	72.19	2.17
	CO3	86.75	2.6
	CO4	80.79	2.42
	CO5	78.15	2.34


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CO2					CO3					CO4					CO5				
Total Marks Obtained	Total Marks	>=80%	Level (3,2,1)	Y/N	Total Marks Obtained	Total Marks	>=80%	Level (3,2,1)	Y/N	Total Marks Obtained	Total Marks	>=80%	Level (3,2,1)	Y/N	Total Marks Obtained	Total Marks	>=80%	Level (3,2,1)	Y/N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	53	55	96.36	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	50	55	90.91	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
10	15	66.67	2	N	5	5	100	3	Y	23	25	92	3	Y	48	55	87.27	3	Y
9	15	60	2	N	3	5	60	2	N	13	25	52	1	N	30	55	54.55	1	N
13	15	86.67	3	Y	5	5	100	3	Y	25	25	100	3	Y	53	55	96.36	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	24	25	96	3	Y	54	55	98.18	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	50	55	90.91	3	Y
13	15	86.67	3	Y	3	5	60	2	N	15	25	60	2	N	34	55	61.82	2	N
11	15	73.33	2	N	3	5	60	2	N	16	25	64	2	N	35	55	63.64	2	N
14	15	93.33	3	Y	5	5	100	3	Y	25	25	100	3	Y	51	55	92.73	3	Y
10	15	66.67	2	N	5	5	100	3	Y	22	25	88	3	Y	48	55	87.27	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
10	15	66.67	2	N	3	5	60	2	N	16	25	64	2	N	36	55	65.45	2	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	52	55	94.55	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	22	25	88	3	Y	49	55	89.09	3	Y
11	15	73.33	2	N	5	5	100	3	Y	20	25	80	3	Y	44	55	80	3	Y
11	15	73.33	2	N	5	5	100	3	Y	19	25	76	2	N	42	55	76.36	2	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
14	15	93.33	3	Y	4	5	80	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	4	5	80	3	Y	22	25	88	3	Y	50	55	90.91	3	Y
11	15	73.33	2	N	5	5	100	3	Y	21	25	84	3	Y	46	55	83.64	3	Y
10	15	66.67	2	N	3	5	60	2	N	15	25	60	2	N	32	55	58.18	1	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	53	55	96.36	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	52	55	94.55	3	Y
12	15	80	3	Y	5	5	100	3	Y	22	25	88	3	Y	49	55	89.09	3	Y
12	15	80	3	Y	5	5	100	3	Y	20	25	80	3	Y	46	55	83.64	3	Y
8	15	53.33	1	N	3	5	60	2	N	13	25	52	1	N	31	55	56.36	1	N


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14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	53	55	96.36	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	21	25	84	3	Y	51	55	92.73	3	Y
12	15	80	3	Y	4	5	80	3	Y	21	25	84	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	4	5	80	3	Y	23	25	92	3	Y	45	55	81.82	3	Y
12	15	80	3	Y	3	5	60	2	N	20	25	80	3	Y	40	55	72.73	2	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
12	15	80	3	Y	5	5	100	3	Y	24	25	96	3	Y	51	55	92.73	3	Y
12	15	80	3	Y	5	5	100	3	Y	22	25	88	3	Y	48	55	87.27	3	Y
11	15	73.33	2	N	5	5	100	3	Y	22	25	88	3	Y	47	55	85.45	3	Y
12	15	80	3	Y	4	5	80	3	Y	18	25	72	2	N	41	55	74.55	2	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	53	55	96.36	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	51	55	92.73	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
9	15	60	2	N	4	5	80	3	Y	16	25	64	2	N	36	55	65.45	2	N
7	15	46.67	1	N	3	5	60	2	N	13	25	52	1	N	32	55	58.18	1	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	24	25	96	3	Y	48	55	87.27	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	44	55	80	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	22	25	88	3	Y	45	55	81.82	3	Y
12	15	80	3	Y	5	5	100	3	Y	22	25	88	3	Y	49	55	89.09	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	21	25	84	3	Y	46	55	83.64	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	21	25	84	3	Y	43	55	78.18	2	N
14	15	93.33	3	Y	4	5	80	3	Y	25	25	100	3	Y	53	55	96.36	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	53	55	96.36	3	Y
14	15	93.33	3	Y	4	5	80	3	Y	24	25	96	3	Y	51	55	92.73	3	Y
15	15	100	3	Y	5	5	100	3	Y	23	25	92	3	Y	53	55	96.36	3	Y
12	15	80	3	Y	4	5	80	3	Y	18	25	72	2	N	40	55	72.73	2	N
15	15	100	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
15	15	100	3	Y	5	5	100	3	Y	23	25	92	3	Y	53	55	96.36	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	51	55	92.73	3	Y
11	15	73.33	2	N	5	5	100	3	Y	21	25	84	3	Y	45	55	81.82	3	Y
9	15	60	2	N	3	5	60	2	N	15	25	60	2	N	38	55	69.09	2	N
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	50	55	90.91	3	Y
11	15	73.33	2	N	5	5	100	3	Y	22	25	88	3	Y	47	55	85.45	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	43	55	78.18	2	N
12	15	80	3	Y	3	5	60	2	N	20	25	80	3	Y	46	55	83.64	3	Y
11	15	73.33	2	N	4	5	80	3	Y	20	25	80	3	Y	45	55	81.82	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	46	55	83.64	3	Y
11	15	73.33	2	N	5	5	100	3	Y	23	25	92	3	Y	46	55	83.64	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	49	55	89.09	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	52	55	94.55	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	25	25	100	3	Y	50	55	90.91	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	22	25	88	3	Y	52	55	94.55	3	Y
12	15	80	3	Y	5	5	100	3	Y	22	25	88	3	Y	51	55	92.73	3	Y


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13	15	86.67	3	Y	4	5	80	3	Y	21	25	84	3	Y	45	55	81.82	3	Y
12	15	80	3	Y	5	5	100	3	Y	20	25	80	3	Y	43	55	78.18	2	N
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	53	55	96.36	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	25	25	100	3	Y	51	55	92.73	3	Y
11	15	73.33	2	N	5	5	100	3	Y	22	25	88	3	Y	47	55	85.45	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	48	55	87.27	3	Y
11	15	73.33	2	N	5	5	100	3	Y	23	25	92	3	Y	43	55	78.18	2	N
14	15	93.33	3	Y	5	5	100	3	Y	25	25	100	3	Y	52	55	94.55	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	22	25	88	3	Y	50	55	90.91	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	22	25	88	3	Y	51	55	92.73	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	48	55	87.27	3	Y
12	15	80	3	Y	5	5	100	3	Y	24	25	96	3	Y	49	55	89.09	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	24	25	96	3	Y	50	55	90.91	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	22	25	88	3	Y	47	55	85.45	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
15	15	100	3	Y	5	5	100	3	Y	25	25	100	3	Y	55	55	100	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	51	55	92.73	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	48	55	87.27	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	22	25	88	3	Y	46	55	83.64	3	Y
15	15	100	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	46	55	83.64	3	Y
8	15	53.33	1	N	3	5	60	2	N	13	25	52	1	N	31	55	56.36	1	N
12	15	80	3	Y	5	5	100	3	Y	21	25	84	3	Y	50	55	90.91	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
10	15	66.67	2	N	3	5	60	2	N	18	25	72	2	N	39	55	70.91	2	N
11	15	73.33	2	N	5	5	100	3	Y	20	25	80	3	Y	46	55	83.64	3	Y
15	15	100	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
10	15	66.67	2	N	5	5	100	3	Y	19	25	76	2	N	43	55	78.18	2	N
12	15	80	3	Y	5	5	100	3	Y	25	25	100	3	Y	51	55	92.73	3	Y
11	15	73.33	2	N	5	5	100	3	Y	23	25	92	3	Y	49	55	89.09	3	Y
12	15	80	3	Y	4	5	80	3	Y	21	25	84	3	Y	43	55	78.18	2	N
14	15	93.33	3	Y	5	5	100	3	Y	23	25	92	3	Y	53	55	96.36	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	52	55	94.55	3	Y
11	15	73.33	2	N	5	5	100	3	Y	22	25	88	3	Y	47	55	85.45	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	22	25	88	3	Y	45	55	81.82	3	Y
12	15	80	3	Y	5	5	100	3	Y	19	25	76	2	N	44	55	80	3	Y
15	15	100	3	Y	5	5	100	3	Y	24	25	96	3	Y	50	55	90.91	3	Y
11	15	73.33	2	N	5	5	100	3	Y	23	25	92	3	Y	50	55	90.91	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	21	25	84	3	Y	50	55	90.91	3	Y
12	15	80	3	Y	5	5	100	3	Y	22	25	88	3	Y	49	55	89.09	3	Y
13	15	86.67	3	Y	5	5	100	3	Y	21	25	84	3	Y	44	55	80	3	Y
12	15	80	3	Y	5	5	100	3	Y	23	25	92	3	Y	52	55	94.55	3	Y
11	15	73.33	2	N	5	5	100	3	Y	23	25	92	3	Y	50	55	90.91	3	Y


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12	15	80	3	Y	5	5	100	3	Y	20	25	80	3	Y	44	55	80	3	Y
12	15	80	3	Y	5	5	100	3	Y	19	25	76	2	N	46	55	83.64	3	Y
9	15	60	2	N	4	5	80	3	Y	15	25	60	2	N	37	55	67.27	2	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	53	55	96.36	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	51	55	92.73	3	Y
14	15	93.33	3	Y	5	5	100	3	Y	25	25	100	3	Y	52	55	94.55	3	Y
11	15	73.33	2	N	5	5	100	3	Y	21	25	84	3	Y	47	55	85.45	3	Y
9	15	60	2	N	3	5	60	2	N	19	25	76	2	N	39	55	70.91	2	N
11	15	73.33	2	N	3	5	60	2	N	16	25	64	2	N	35	55	63.64	2	N
11	15	73.33	2	N	5	5	100	3	Y	18	25	72	2	N	42	55	76.36	2	N
11	15	73.33	2	N	3	5	60	2	N	20	25	80	3	Y	42	55	76.36	2	N
12	15	80	3	Y	3	5	60	2	N	18	25	72	2	N	43	55	78.18	2	N
8	15	53.33	1	N	3	5	60	2	N	13	25	52	1	N	31	55	56.36	1	N
15	15	100	3	Y	5	5	100	3	Y	25	25	100	3	Y	50	55	90.91	3	Y
12	15	80	3	Y	5	5	100	3	Y	19	25	76	2	N	44	55	80	3	Y
11	15	73.33	2	N	5	5	100	3	Y	20	25	80	3	Y	45	55	81.82	3	Y
12	15	80	3	Y	5	5	100	3	Y	22	25	88	3	Y	46	55	83.64	3	Y
10	15	66.67	2	N	4	5	80	3	Y	15	25	60	2	N	36	55	65.45	2	N
14	15	93.33	3	Y	5	5	100	3	Y	24	25	96	3	Y	52	55	94.55	3	Y
10	15	66.67	2	N	3	5	60	2	N	15	25	60	2	N	32	55	58.18	1	N
9	15	60	2	N	4	5	80	3	Y	13	25	52	1	N	34	55	61.82	2	N
11	15	73.33	2	N	5	5	100	3	Y	20	25	80	3	Y	44	55	80	3	Y
8	15	53.33	1	N	3	5	60	2	N	14	25	56	1	N	30	55	54.55	1	N
9	15	60	2	N	3	5	60	2	N	14	25	56	1	N	29	55	52.73	1	N
12	15	80	3	Y	5	5	100	3	Y	20	25	80	3	Y	48	55	87.27	3	Y

No. of students scoring	3	109
	2	37
	1	5
Average		2.69

No. of students scoring	3	131
	2	20
	1	0
Average		2.87

No. of students scoring	3	122
	2	21
	1	8
Average		2.75

No. of students scoring	3	118
	2	24
	1	9
Average		2.72


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

Project
NME-852
2015 2019
8
2018 2019
0.0.12

CO Attainment using Semester End Examination (SEE)

S.No.	Univ. Roll No.	Name	Max Marks	SEE		
				200	>=80%	Level (3,2,1) Y/N
1	1508240001	AAKASH SINGH	185	92.5	3	Y
2	1508240002	AAYUSH	178	89	3	Y
3	1508240003	ABDUR REHMAN	179	89.5	3	Y
4	1508240004	ABHISHEK GANGWAR	190	95	3	Y
5	1508240006	ABHISHEK SINGH	190	95	3	Y
6	1508240007	ABHISHEK TOMAR	149	74.5	2	N
7	1508240008	AHMAD SALMAN	164	82	3	Y
8	1508240011	AKSHAY PATHAK	185	92.5	3	Y
9	1508240012	AKSHAY PRATAP SINGH	175	87.5	3	Y
10	1508240013	AKSHAY SINGH	179	89.5	3	Y
11	1508240014	ALOK CHANDRA RANA	190	95	3	Y
12	1508240015	AMAN SINGH S/o GC	162	81	3	Y
13	1508240017	AMANKANT PAL	178	89	3	Y
14	1508240018	AMIT KUMAR	156	78	2	N
15	1508240019	ANIRUDDH GOEL	158	79	2	N
16	1508240020	ANKIT CHAUHAN	188	94	3	Y
17	1508240021	ANKIT KUMAR CHAUHAN	175	87.5	3	Y
18	1508240023	ANMOL BHATNAGAR	175	87.5	3	Y


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19	1508240024	ANMOL KUMAR	164	82	3	Y
20	1508240025	ANSHUL VERMA	119	59.5	1	N
21	1508240027	ANUBHAV PRATAP	174	87	3	Y
22	1508240028	ANUBHAV SHARMA	189	94.5	3	Y
23	1508240029	ANUJ PRATAP SINGH	168	84	3	Y
24	1508240030	ANUJ SINGH	162	81	3	Y
25	1508240032	ANURAG VISHNOI	147	73.5	2	N
26	1508240033	ASHEESH RAGHAV	190	95	3	Y
27	1508240034	ASHHAD KHAN	177	88.5	3	Y
28	1508240035	ASHISH KUMAR CHAUHAN	166	83	3	Y
29	1508240036	ASHISH RAJ	187	93.5	3	Y
30	1508240038	AVINASH GUPTA	181	90.5	3	Y
31	1508240039	AVNEESH KUMAR	159	79.5	2	N
32	1508240040	AYUSH GUPTA	189	94.5	3	Y
33	1508240041	BHOOPENDRA SINGH	188	94	3	Y
34	1508240042	DEEPAK AGARWAL	185	92.5	3	Y
35	1508240043	DEEPAK KUMAR	129	64.5	2	N
36	1508240044	DEEPANSHU KUMAR	119	59.5	1	N
37	1508240046	DHEERAJ CHAUHAN	188	94	3	Y
38	1508240051	GURU RAJ SINGH	188	94	3	Y
39	1508240053	HAMMAD UZ ZAFAR KHAN	138	69	2	N
40	1508240054	HARSHIT SINGH	178	89	3	Y
41	1508240055	HARSHIT UPADHYAY	175	87.5	3	Y
42	1508240057	HEMANT KUMAR	163	81.5	3	Y
43	1508240058	HITESH KUMAR	184	92	3	Y
44	1508240059	ISHAAN KUMAR	173	86.5	3	Y
45	1508240060	JAI PRAKESH	185	92.5	3	Y
46	1508240062	JATIN KUMAR SINGH	189	94.5	3	Y
47	1508240063	JITIN KUMAR	188	94	3	Y
48	1508240065	KAPIL KUMAR	153	76.5	2	N
49	1508240066	KARTIK VAISH	186	93	3	Y
50	1508240067	KARUNA SAGAR	178	89	3	Y


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51	1508240068	KRANTI GANGWAR	188	94	3	Y
52	1508240071	KUSH VISHB KARMA	177	88.5	3	Y
53	1508240072	LOVISH MADAAN	189	94.5	3	Y
54	1508240073	MAHESH PANDAY	188	94	3	Y
55	1508240074	MANISH	161	80.5	3	Y
56	1508240075	MANISH CHAUHAN	178	89	3	Y
57	1508240076	MANJEET CHAHAL	128	64	2	N
58	1508240078	MANU GUPTA	182	91	3	Y
59	1508240079	MAYANK GILL	158	79	2	N
60	1508240080	MAYYUR KHAN	164	82	3	Y
61	1508240081	MOH TAYYAB	183	91.5	3	Y
62	1508240082	MOHAMMAD ADNAN	182	91	3	Y
63	1508240084	MOHAMMAD KOKAB	168	84	3	Y
64	1508240085	MOHD AQIB	168	84	3	Y
65	1508240086	MOHD ARIF	158	79	2	N
66	1508240087	MOHD FAIZ ABBAS	188	94	3	Y
67	1508240088	MOHD JAVED	170	85	3	Y
68	1508240089	MOHD NAVED	188	94	3	Y
69	1508240090	MOHD PARWEZ KHAN	174	87	3	Y
70	1508240091	MOHD SARFARAZ SAIFI	186	93	3	Y
71	1508240092	MOHD SUHAIL	169	84.5	3	Y
72	1508240093	MOHD SUHAIL	165	82.5	3	Y
73	1508240095	MOHIT KUMAR	185	92.5	3	Y
74	1508240096	MOHIT KUMAR SAGAR	189	94.5	3	Y
75	1508240097	MONIS AHMAD	189	94.5	3	Y
76	1508240098	MOSIM ALI	179	89.5	3	Y
77	1508240099	MUHAMMAD JUNAID	176	88	3	Y
78	1508240100	MUKUL DHARIWAL	115	57.5	1	N
79	1508240101	NABEEL UR REHMAN	177	88.5	3	Y
80	1508240103	NIDAL AHMAD	175	87.5	3	Y
81	1508240104	NISHANT CHAUHAN	169	84.5	3	Y
82	1508240105	NISHANT KUMAR	159	79.5	2	N


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83	1508240106	NITIN KUMAR CHOUHAN	161	80.5	3	Y
84	1508240107	PANKAJ KUMAR	182	91	3	Y
85	1508240109	PARAS KUMAR	181	90.5	3	Y
86	1508240110	PAWAN RAJPUT	169	84.5	3	Y
87	1508240111	PRADEEP SAINI	179	89.5	3	Y
88	1508240112	PRAKHAR GUPTA	181	90.5	3	Y
89	1508240113	PRANOOP KHANNA	186	93	3	Y
90	1508240114	PRASHANT KUMAR	173	86.5	3	Y
91	1508240115	PRASHANT LAMBE	119	59.5	1	N
92	1508240116	PRINCE GUPTA	188	94	3	Y
93	1508240118	PRIYESH KUMAR DUBEY	178	89	3	Y
94	1508240119	RAHUL KUMAR SAINI	160	80	3	Y
95	1508240120	RAHUL SINGHAL	178	89	3	Y
96	1508240121	RAJKUMAR SINGH	182	91	3	Y
97	1508240122	RAKSHIT BHATT	163	81.5	3	Y
98	1508240124	RAMAN KUMAR CHAUHAN	179	89.5	3	Y
99	1508240125	RAMIL CHAUHAN	188	94	3	Y
100	1508240126	RAVI SINGH AROLIYA	110	55	1	N
101	1508240128	RISHIK RASTOGI	189	94.5	3	Y
102	1508240129	ROHIT PRASAD YADAV	167	83.5	3	Y
103	1508240130	ROHIT SINGH	189	94.5	3	Y
104	1508240132	S. KSHITIZ PRAKASH	169	84.5	3	Y
105	1508240133	SACHIN KUMARS S/O GPS	122	61	2	N
106	1508240134	SACHIN KUMAR S/O ML	189	94.5	3	Y
107	1508240135	SAJAL GUPTA	163	81.5	3	Y
108	1508240137	SANJAY KUMAR PASWAN	130	65	2	N
109	1508240138	SANKALP RAJHIMGIRI	129	64.5	2	N
110	1508240139	SAQIB SHAKEEL	174	87	3	Y
111	1508240140	SAURABH	123	61.5	2	N
112	1508240141	SAURAV KUMAR VERMA	168	84	3	Y
113	1508240142	SHASHANK BAJPAI	129	64.5	2	N
114	1508240143	SHASHANK PAL	178	89	3	Y
115	1508240144	SHASHANK SHARMA	129	64.5	2	N


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116	1508240145	SHAURYA GUPTA	151	75.5	2	N
117	1508240146	SHIV OM	180	90	3	Y
118	1508240147	SHIVAM	149	74.5	2	N
119	1508240148	SHIVAM CHOUDHARY	188	94	3	Y
120	1508240149	SHIVAM KUMAR	171	85.5	3	Y
121	1508240150	SHIVAM KUMAR RAGHAV	184	92	3	Y
122	1508240151	SHIVANSH THAKUR	167	83.5	3	Y
123	1508240152	SHOZAB ABBAS	171	85.5	3	Y
124	1508240154	SHUBHAM	189	94.5	3	Y
125	1508240155	SHUBHAM KUMAR	169	84.5	3	Y
126	1508240156	SHUBHAM SHARMA	189	94.5	3	Y
127	1508240157	SHUBHAM SHEHRAWAT	182	91	3	Y
128	1508240158	SHUBHAM SINGH	189	94.5	3	Y
129	1508240159	SHYAM SUNDER YADAV	189	94.5	3	Y
130	1508240161	UDIT SHARMA	187	93.5	3	Y
131	1508240162	UMESH KASHYAP	119	59.5	1	N
132	1508240163	UTKARSH RASTOGI	151	75.5	2	N
133	1508240164	VAIBHAV TYAGI	173	86.5	3	Y
134	1508240167	VIBHAV DEEP KUMAR	181	90.5	3	Y
135	1508240168	VIBHU SHARMA	179	89.5	3	Y
136	1508240172	VIKRAM JEET SINGH	180	90	3	Y
137	1508240173	VIKRAM KUMAR	159	79.5	2	N
138	1508240174	VINEET KUMAR RALL	179	89.5	3	Y
139	1508240175	YASH SINHA	189	94.5	3	Y
140	1508240176	YASH VARSHNEY	189	94.5	3	Y
141	1508240177	YOGESH KUMAR	119	59.5	1	N
142	1408240046	CHAUDHARY VISHAL	119	59.5	1	N
143	1408240076	JAYANT BHARDWAJ	155	77.5	2	N
144	1408240087	LOVEJEET CHAHAL	119	59.5	1	N
145	1408240171	SURAJ KUMAR YADAV	118	59	1	N
146	1508210115	ROHIT AHUJA	151	75.5	2	N
147	1608240901	AKASH VERMA	119	59.5	1	N
148	1608240902	AMREESH KUMAR	189	94.5	3	Y


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149	1608240903	ASHISH SHARMA	169	84.5	3 Y
150	1608240904	DIVYAANSH KHANNA	189	94.5	3 Y
151	1608240906	RAVI KUMAR	189	94.5	3 Y

No. of students scoring	3	116
	2	24
	1	11
Average		2.7

Course Code	CO	CO Attained getting $\geq 60\%$ marks)	(% of students)	CO Attained (On Scale of 3)
NME-852	CO1	76.82		2.3
	CO2	76.82		2.3
	CO3	76.82		2.3
	CO4	76.82		2.3
	CO5	76.82		2.3


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Course Name Project
 Course Code NME-852
 Batch 2015 2019
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 Session 2018 2019
 L:T:P 0.0.12

CO Attainment and Analysis

CO Attainment using Continuous Internal Evaluation (CIE)

Course Code	CO	CO Attained (% of students getting $\geq 80\%$ marks)	CO Attained (On Scale of 3)
NME-852	CO1		
	CO2	72.19	2.17
	CO3	86.75	2.6
	CO4	80.79	2.42
	CO5	78.15	2.34

CO Attainment using Semester End Examination (SEE)

Course Code	CO	CO Attained (% of students getting $\geq 60\%$ marks)	CO Attained (On Scale of 3)
NME-852	CO1	76.82	2.3
	CO2	76.82	2.3
	CO3	76.82	2.3
	CO4	76.82	2.3
	CO5	76.82	2.3

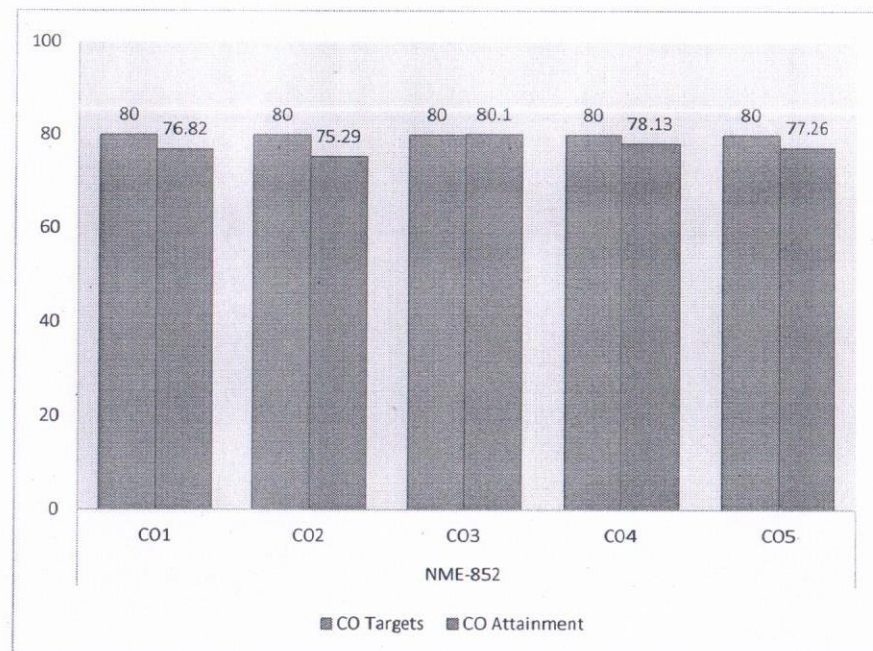
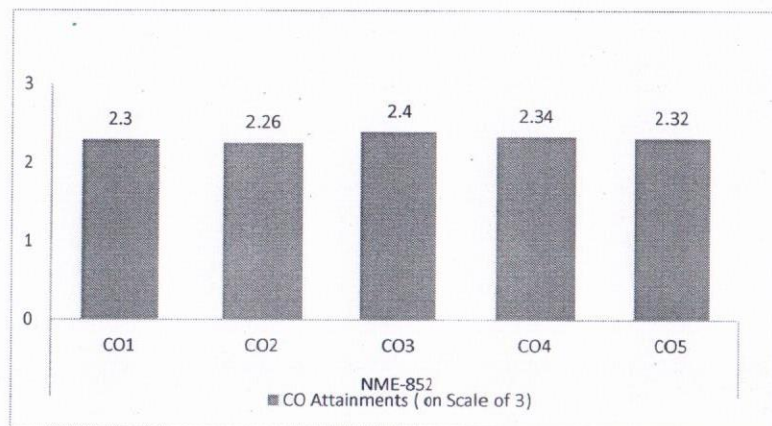
CO Attainment (CO)

Course Code	CO	CO Attained Using CIE (CO_CIE)	CO Attained using SEE (CO_SEE)	Direct CO Attainment ($CO = 0.33*CO_CIE + 0.67*CO_SEE$)	Direct CO Attainment (On Scale of 3)
NME-852	CO1		76.82	76.82	2.3
	CO2	72.19	76.82	75.29	2.26
	CO3	86.75	76.82	80.1	2.4
	CO4	80.79	76.82	78.13	2.34
	CO5	78.15	76.82	77.26	2.32

Course Code	CO	CO Targets	CO Attainment	Y/N
NME-852	CO1	80	76.82	N
	CO2	80	75.29	N
	CO3	80	80.1	Y
	CO4	80	78.13	N
	CO5	80	77.26	N


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Course Code	CO	CO Attainment (On Scale of 3)
NME-852	CO1	2.3
	CO2	2.26
	CO3	2.4
	CO4	2.34
	CO5	2.32




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Course Name
Course Code
Batch
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Project
NME-852
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CO Attainment

Course Code	CO	CO Attainment
NME-852	CO1	76.82
	CO2	75.29
	CO3	80.1
	CO4	78.13
	CO5	77.26

CO-PO Mapping

Course Code	CO		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
NME-852	CO1	NME-852.1	3	3				2	2	2	3		2	3
	CO2	NME-852.2	2	2				1			3	2	2	2
	CO3	NME-852.3	2	2	3	2	1	2	2	2	3	2	3	2
	CO4	NME-852.4	3	3	3	3	3	3	3	3	3	3	3	3
	CO5	NME-852.5	3	3	3	3	3	3	3	3	3	3	3	3
Mapping Strength		NME-852	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	77.52	77.52	78.5	78.5	78.5	77.52	78.08	78.08	77.52	77.7	77.52	77.52
PO Attainment of PO = (Actual Mapping strength/Maximum Mapping Strength)* Average of attainments of relevant COs	67.18	67.18	78.5	69.78	61.06	56.85	65.07	65.07	77.52	64.75	67.18	67.18
PO Attainment (normalized to 3)	2.02	2.02	2.36	2.09	1.83	1.71	1.95	1.95	2.33	1.94	2.02	2.02

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Course Name
Course Code
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Project
NME-852
2015 2019
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CO Attainment Gap

Course Code	CO	CO Targets	CO Attainment	CO Attainment Gap (Target - Attainment)
NME-852	C01	80	76.82	3.18
	C02	80	75.29	4.71
	C03	80	80.1	-0.10
	C04	80	78.13	1.87
	C05	80	77.26	2.74

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
NME-852	C01	80	3.18		
	C02	80	4.71		
	C03	80	-0.10		
	C04	80	1.87		
	C05	80	2.74		

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