	Semester: VIII						
	Project Phase II						
Cou	rse Code: MVJ21MEP81	CIE Marks:50					
Cred	dits: 10	SEE Marks: 50					
Hou	rs: 03	SEE Duration: 3 hrs					
Cou	rse Learning Objectives: The stude	ents will be able to					
1		atmosphere in which students may test theory stual working situation and discover the value of shment.					
2	As a part of a team, the students will make a project, that emphasizes, hands-on experience, and integrates analytical and design skills.						
3	To provide an opportunity to the students to apply what they have learned throughout the course of graduate program by undertaking a specific problem.						
4	Compile the results, discuss the findings and draw the conclusions for the project.						
5	Prepare quality document of project work.						

Sl. No	PHASES FOR PROJECT WORK
1	Introduction and Problem Definition
2	Summary of literature survey
3	Formulation of revised project objectives
4	Proposed Methodology and implementation
5	Results and discussion
6	Project report documentation
7	Oral presentation
Cours	e outcomes:
CO1	Perform literature review on par with international journal standards
CO2	Identify literature gap and define the problem.
CO3	Design experiments scientifically/perform numerical analysis/develop analytical models and interpret the results and apply advanced tools/techniques for solving the problem.
CO4	Compile the results, discuss the findings and draw the conclusions for the project.
CO5	Prepare quality document of project work.

Refere	Reference Books:								
1	J. P. Holman, "Experimental Methods For Engineers", McGraw-Hill Companies,								
Δ.	Eighth edition, 2012.								
2.	Prasanna Chandra, "Projects- Appraisal, Preparation, Budgeting and								
ے.	Implementation", McGraw-Hill Companies, 1987.								
Schen	ne of Examination:								
1.	Relevance of the topic: 10 marks								
2.	Report: 20 marks								
3.	Evaluation by Guide: 25 marks								
4.	Presentation: 30 marks								
5.	Viva – Voce: 15 marks								

СО-РО	CO-PO Mapping											
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	2	3	2	1	1	1	2	2	2
CO2	2	2	2	2	3	2	1	1	1	2	2	2
CO3	2	2	2	3	3	2	1	1	1	2	2	2
CO4	2	2	2	3	3	2	2	1	1	2	2	2
CO5	2	2	3	3	3	2	2	1	1	2	2	2

High-3, Medium-2, Low-1

	Semester: VIII						
Res	Research / Industrial Internship						
(Tr	neory and Practice)						
Со	urse Code: MVJ21INT82	CIE Marks: 50					
Cre	edits: 05	SEE Marks: 50					
Но	Hours: SEE Duration: 03						
Со	urse Learning Objectives: The stu	dents will be able to					
1	Get an inside view of an industry a	nd organization/company					
2	Gain valuable skills and knowledge)					
3	Make professional connections and enhance student's network						
4	Get experience in a field to allow the student to make a career transit						
5	To build a record of work experience and construct a good relationship with the						
	employers.	· · · · · · · · · · · · · · · · · · ·					

Guidelines

- > Students have to undergo this training for a period of 6 weeks (minimum) during the vacation between even and odd semesters.
- > Those students who are unable to complete during these periods will have to undergo the internship after VIII semester and VIII semester grade card will be issued only after the successful completion of internship by that student
- > The department shall nominate a faculty as a mentor for a group of students to prepare and monitor the progress of the students
- The students shall report the progress of the internship to the mentor/guide at regular intervals and may seek his/her advice.
- After completion of Internship, students shall submit a report to the department with the approval of both internal and external guides/mentors.
- > Evaluation of Internship shall be conducted during VIII semester by internal and external examiners for 100 marks.
- The external examiner shall be from the industry where the student carried out the internship. In case of non-availability of external examiner, the concerned head of the department shall appoint an external examiner from the nearby college or a senior faculty member from outside the department in consultation with respective BOE and approved by Principal
- ➤ The internship carries three credits. A student has to get a minimum of 40% marks for a pass. If the student fails to complete the same, then internship has to be repeated in its entirely
- The breakup of marks for the evaluation of training is as in table.

Evaluation by the supervisor under whom the training was carried out						
Evaluation by DSEC						
4. Relevance of the Field training/Industrial Internship	10 Marks					
5. Report	25 Marks					
6. Evaluation	40 Marks					
Total 100						
Course outcomes:						

CO1	To experience a 8 weeks' internship training, enabling the student for onsite						
COI	visits, study projects and practical training.						
CO2	To develop a skill for handling multiple situations, practical problems,						
CO2	analyzing teamwork and communication abilities						
CO3	To integrate theory with practice and carry out performance objectives on						
CO3	strong work ethics, persistence, adaptability and critical						
CO4	To analyze work environment and create solution to problems.						
CO5	To build a record of work experience and construct a good relationship with						
CO5	the employers.						

Reference Books:								
1	T1. Pamela Myers Kiser, "Human Services Internship: Getting the Most From Your Experience", Cengage Learning, 4th Edition, 2016. (ISBN13: 978-1305087347)							

СО-РО	CO-PO Mapping											
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	2	3	2	1	1	1	2	2	2
CO2	2	2	2	2	3	2	1	1	1	2	2	2
CO3	2	2	2	3	3	2	1	1	1	2	2	2
CO4	2	2	2	3	3	2	2	1	1	2	2	2
CO5	2	2	3	3	3	2	2	1	1	2	2	2

High-3, Medium-2, Low-1

	Semester: VIII						
	Seminar						
Cou	rse Code: MVJ21MES83	CIE Marks:50					
Cred	dits: 01	SEE Marks: 50					
Hou	Hours: SEE Duration: 03						
Cou	rse Learning Objectives: The stude	ents will be able to					
1	To equip students for making a technical presentation based on a thorough re-search						
1	review on any contemporary area of Engineering and Management fields.						
2	Offering the student an opportuni	Offering the student an opportunity to interact with faculty and peer group and to					
ے	build the ability to making independent presentation.						

STAGES OF SEMINAR

- i) Identification of seminar topic related to area of interest in the field of advanced Mechanical Engineering.
- ii) Case studies related to selected topics.
- iii) Final seminar will start from 6th week of the semester in the department before the Departmental Evaluation Committee constituted by HOD.
- iv) The seminar marks are to be awarded by the committee.
- v) Students shall submit the seminar report in the prescribed standard format.

Cour	Course Outcomes: After completing the course, the students will be able to					
CO1	Conduct literature survey on a current topic based on peer reviewed literature and					
	identify research gap in the literature.					
CO2	Develop methodologies to resolve the identified problem(s).					
CO3	Develop presentation slides / report arranging the material coherently and discuss the					
	topic with clarity and confidence.					
CO4	Summarize the presentation, submit the report and identify scope for further work.					

Continuous Internal Evaluation (CIE):

SCHEME OF EVALUATION								
	MARKS ALLOTED							
PARTICULARS	MAX MARKS	EVALUATOR 1	EVALUATOR 2	AVERAGE				
Report	15							
Relevance of topic with the program	10							
Oral presentation & Etiquette	15							
Viva Voce	10							
TOTAL	50							

CO-PO Mapping												
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	3	3	3	2	3	3	3	3	3
CO2	3	3	2	3	3	3	2	3	3	3	3	3
CO3	3	3	3	3	3	3	2	3	3	3	3	3
CO4	3	3	2	1	3	3	3	3	3	3	3	3