



# **MVJCE CURRICULUM**

**FOR**

**COMPUTER SCIENCE &  
ENGINEERING (Scheme 2019)**

# **VIII SEMESTER**

<b>Course Title</b>	<b>PROJECT PHASE 2</b>	Semester	VIII
<b>Course Code</b>	MVJ19CSP81	CIE	50
<b>Total No. of Contact Hours</b>	L : T : P :: 0 : 0 : 20	SEE	50
<b>No. of Contact Hours/week</b>	-	Total	100
Credits	10	<b>Exam. Duration</b>	3 Hours

**Course Objective:**

- To support independent learning.
- To develop interactive, communication, organization, time management, and presentation skills.
- To impart flexibility and adaptability.

- To inspire independent and team working.
- To expand intellectual capacity, credibility, judgment, intuition.
- To adhere to punctuality, setting and meeting deadlines.
- To instill responsibilities to oneself and others.
- To train students to present the topic of project work in a seminar without any fear, face audience confidently, enhance communication skill, involve in group discussion to present and exchange ideas.

**Project Work Phase – II:** Each student of the project batch shall involve in carrying out the project work jointly in constant consultation with internal guide, co-guide, and external guide and prepare the project report as per the norms avoiding plagiarism.

**Course outcomes:** At the end of the course the student will be able to:

CO1	Describe the project and be able to defend it. Develop critical thinking and problem solving skills.
CO2	Learn to use modern tools and techniques. Communicate effectively and to present ideas clearly and coherently both in written and oral forms.
CO3	Develop skills to work in a team to achieve common goal. Develop skills of project management and finance.
CO4	Develop skills of self-learning, evaluate their learning and take appropriate actions to improve it.
CO5	Prepare them for life-long learning to face the challenges and support the technological changes to meet the societal needs.

**Scheme of Evaluation :**

Internal Marks: The Internal marks (50 marks) evaluation shall be based on Phase wise completion of the project work, Project report, Presentation and Demonstration of the actual/model/prototype of the project.

Semester End Examination: SEE marks for the project (50 marks) shall be based on Project report, Presentation and Demonstration of the actual/model/prototype of the project, as per the norms by the examiners appointed

**CIE Marks Breakup for Major Project during VIII Semester :**

Seminar on Project and Demonstration	20 Marks
Report	10 Marks
Evaluation by Guide	15 Marks
Co-curricular Activities	05 Marks

Total	50 Marks
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**Breakup for SEE Marks for Major Project**

Project Report , Presentation, Demonstration and Quality of Work	30 Marks
Viva- Voce	25 Marks
Total	50 Marks

**CO-PO/PSO Mapping**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	3	3	2	1	1	2	1	1	2	2	1
CO2	2	2	2	3	3	2	1	1	2	1	2	2	1	3
CO3	2	2	2	3	3	2	1	1	2	1	2	2	1	2
CO4	2	2	2	3	3	2	1	1	2	1	2	2	1	1
CO5	2	2	2	3	3	2	1	1	2	1	2	2	1	3

High-3, Medium-2, Low-1

<b>Course Title</b>	INTERNSHIP	Semester	VIII
<b>Course Code</b>	MVJ19CSI82	CIE	50
<b>Total No. of Contact Hours</b>	Industrial Oriented	SEE	50
<b>No. of Contact Hours/week</b>	-	Total	100
<b>Credits</b>	3	<b>Exam. Duration</b>	3 Hours

**Course Objective:**

- To get the field exposure and experience
- To apply the theoretical concept in field application
- To prepare the comparison statement of difference activities

**Internship:** This shall be carried out by students in industry set-up related to the construction/ materials testing laboratories/research organizations/project management consulting firms/QS and QA organizations/ planning and design offices/Professional organizations and other avenues related to the computer science and engineering domain in consultation and approval of internship guide/HOD

/internship committees of the institutions.

**Course outcomes:** At the end of the course the student will be able to:

CO1	Develop skills to work in a team to achieve common goal. Develop skills of project management and finance.
CO2	Develop skills of self-learning, evaluate their learning and take appropriate actions to improve it.
CO3	Prepare them for life-long learning to face the challenges and support the technological changes to meet the societal needs.

**Scheme of Evaluation :**

Marks: The marks (100 marks) evaluation shall be based on final presentation of the activities undertaken during the internship, to a panel comprising internship guide, a senior faculty from the department and head of the department. Each student should submit the internship report at the end of semester with internship certificate.

Semester End Examination: Viva-Voce examination shall be conducted by a panel of examiners consisting of internship supervisor, a senior faculty from the department and head of the department.

**Marks Breakup for Industry Training Evaluation:**

Evaluation by the supervisor under whom the training was carried out	25 Marks
Evaluation by i) Relevance of the Industrial Internship	10 Marks
ii) Report	25 Marks
iii) Evaluation	40 Marks
<b>Total</b>	<b>100 Marks</b>

**CO-PO/PSO Mapping**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	3	3	2	1	1	2	1	1	2	2	1
CO2	2	2	2	3	3	2	1	1	2	1	2	2	1	3
CO3	2	2	2	3	3	2	1	1	2	1	2	2	1	2

CO4	2	2	2	3	3	2	1	1	2	1	2	2	1	1
CO5	2	2	2	3	3	2	1	1	2	1	2	2	1	3

High-3, Medium-2, Low-1

<b>Course Title</b>	SEMINAR	Semester	VIII
<b>Course Code</b>	MVJ19CSS83	CIE	50
<b>Total No. of Contact Hours</b>	-	SEE	50
<b>No. of Contact Hours/week</b>	-	Total	100
Credits	1	<b>Exam. Duration</b>	3 Hours

**Course Objective:**

- To inculcate self-learning, face audience confidently, enhance communication skill, involve in group discussion and present and exchange ideas.

**Seminar:** Each student, under the guidance of a Faculty, is required to choose, preferably, a recent topic of his/her interest relevant to the course of specialization. Carryout literature survey; organize the Course topics in a systematic order.

- Conduct literature survey in the domain area to find appropriate topic.
- Prepare the synopsis report with own sentences in a standard format.
- Learn to use MS word, MS power point, MS equation and Drawing tools or any such facilities in the preparation of report and presentation.
- Present the seminar topic orally and/or through power point slides.
- Communicate effectively to answer the queries and involve in debate/discussion.
- The participants shall take part in discussion to foster friendly and stimulating environment in which the students are motivated to reach high standards and become self-confident.

**Course outcomes:** At the end of the course the student will be able to:

CO1	Develop knowledge in the field of Computer Science and Engineering and other disciplines through independent learning and collaborative study.
CO2	Identify and discuss the current, real-time issues and challenges in engineering & technology. Develop written and oral communication skills.
CO3	Explore concepts in larger diverse social and academic contexts.
CO4	Apply principles of ethics and respect in interaction with others.
CO5	Develop the skills to enable life-long learning.



**Scheme of Evaluation :**

Marks: The marks (100 marks) evaluation shall be based on final presentation, to a panel comprising seminar guide, a senior faculty from the department and head of the department. Each student should submit the Seminar report at the end of semester Semester End Examination: Viva-Voce examination shall be conducted by a panel of examiners consisting of seminar supervisor, a senior faculty from the department and head of the department.

**Marks Breakup for Seminar :**

Relevance of the Topic	10 Marks
Report	20 Marks
Presentation	50 Marks
Viva- Voce	20 Marks
<b>Total</b>	<b>100 Marks</b>

**CO-PO/PSO Mapping**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	3	3	2	1	1	2	1	1	2	2	1
CO2	2	2	2	3	3	2	1	1	2	1	2	2	1	3
CO3	2	2	2	3	3	2	1	1	2	1	2	2	1	2
CO4	2	2	2	3	3	2	1	1	2	1	2	2	1	1
CO5	2	2	2	3	3	2	1	1	2	1	2	2	1	3

High-3, Medium-2, Low-1

<b>Course Title</b>	CERTIFICATION	Semester	VIII
<b>Course Code</b>	MVJ19CSC84	CIE	-
<b>Total No. of Contact Hours</b>	-	SEE	-
<b>No. of Contact Hours/week</b>	-	Total	-
<b>Credits</b>	2	<b>Exam. Duration</b>	3 Hours

**Course Objective:**

- To inculcate self-learning, enhance the skill in different field of Engineering

**Certification:** Each student, under the guidance of a Faculty, is required to undergo online certification course minimum of 30 hours (number of courses is not limited) preferably, a recent topic of his/her interest. Each student should submit the Course details and Qualification Certificates at the end of semester.

**Course outcomes:** At the end of the course the student will be able to:

CO1	Develop knowledge in different fields of Engineering
CO2	Develop the skills to enable life-long learning.