FACULTY OF COMPUTER APPLICATIONS
M.Sc. (Data Science)

- **Sem.** : 4
- **Subject Code** : 05MD0401
- **Subject** : User / Industry Defined Project
- **Course Objectives** :
    1. Acquainted with the process of applying knowledge and providing solutions to the problems in various domains.
    2. Train students with good computing breadth so as to comprehend, analyze, design and create computing solutions for the identified problems.
    3. To increase skills for understanding and working with people of diverse backgrounds and cultures and to work effectively within diverse environments.
    4. To develop skills to work effectively within formal and informal networks and work cultures.
    5. Learn Project Management Skills during the project.

- **Prerequisites** :Basic knowledge of Software Engineering and Data Science

Course Outcomes:

1. Develop an exposure to real life organizational and environmental situations.
2. Design a system, component or process as per needs and specification of the clients.
3. Demonstrate skills to use modern tools, software and equipment to analyze problems.
4. Demonstrate the ability to produce a technical document/ project report.
5. Adapt professional and interpersonal ethics.

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Guidelines for User / Industry Defined Project/ Internship Project:

1. M.Sc. (Data Science) 4th semester is completely devoted for the internship. Students have to perform an internship project in the industry/ in the institution during this entire semester.
2. Students require to approach the industry for the internship in their specialization.
3. Department allocates one of the Faculty members as Guide to the student.
4. After getting the confirmation from the industry, students require to submit the offer letter to the guide.
5. Students on joining Internship at the concerned Industry/Organization, submit the Joining Report/Letter/Email.
6. Students undergo Internship at the concerned Industry/Organization.
7. The candidate should regularly submit his/her progress report to their respective Faculty guide.
8. In-between Guide/Panel evaluate(s) the performance of Students at the mid of Internship and at the end of Internship period in consultation with Guide/Concerned person in the Industry.
9. Students will submit Internship report i.e. project report with project completion certificate from the industry after completion of Internship.
10. The project report to be compiled in standard format prescribed by Marwadi University.

Assessment of User / Industry Defined Project/ Internship Project:

I) Term work (100 Marks):

1. The progress of the User / Industry Defined Project to be evaluated on a continuous basis.

2. The performance is measured based on the skills applied, presented during the project reporting.
3. Performance is also based on the submission of requisite documents on time (e.g. Offer letter, joining letter, project completion certificate, project details) during project reporting.
4. Distribution of Term work marks shall be as below:
    a. Marks awarded by guide/supervisor based on log book : 25
    b. Project Presentation during project reporting (2 reporting's) : 50
    c. Quality of Project report : 25

II) Viva (250 Marks):

1. Report should be prepared as per the guidelines issued by the Marwadi University.
2. User / Industry Defined Project shall be evaluated through a presentation and demonstration of working model by the student to a panel of examiner at nominated by the university.
3. User / Industry Defined Project shall be assessed based on following points during viva:
    a. Originality
    b. Adequacy and purposeful write-up
    c. Organization, format, charts/images/diagrams/models, language, style etc.
    d. Variety and relevance of learning experience.
    e. Practical applications, relationships with basic theory and concepts taught in the Course.
    f. Clarity in written and oral communication.
    g. Project report as per the format prescribed by the University.
    h. Viva-Voce

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Course Outcomes – Program Outcomes Mapping Table:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	L	L		H		H	H	M	H	H	L
CO2	M	H	H	L	H	M		H			H
CO3	H	H	H	L	H	M		H			H
CO4	H	H	H	M	H	H	H	H	H	H	H
CO5	L	L		H		H	H	M	H	H	L