Ganpat University
॥ विद्यया समाजोत्कर्षः ॥

Faculty of Computer Applications

Programme	M.Sc.IT(Data Science)	**Branch**	Computer Applications
Semester	IV	**Version**	1.0.0.0
Effective from Academic Year	2025-26	**Effective for the batch Admitted in**	June 2024
Subject code	P94A1IP2	**Subject Name**	INDUSTRIAL PROJECT – II

Teaching scheme						**Examination scheme(Marks)**			
(Per week)	**Lecture (DT)**		**Practical (Lab.)**		**Total**		**CE**	**SEE**	**Total**
	L	TU	P	TW					
Credit	-	-	24	-	24	Theory	-	-	-
Hours	-	-	24	-	24	Practical	450	300	750

Objective:

The objective of the industrial project is to provide hands-on experience in applying data science techniques to real-world business problems. Students will develop skills in data analysis, machine learning, visualization, and problem-solving while working with industry-standard tools and technologies

Pre-requisites:

- Knowledge of Data Collection, Various Data cleaning steps, Exploratory Data Analysis, DBMS concepts, Visualization techniques and machine learning algorithms
- Basic domain knowledge according to project title

Learning Outcome:

Name of CO	Description
CO1	Apply data science and visualization techniques to address practical challenges faced by industries
CO2	Students will gain experience in designing and executing a complete data project pipeline including problem formulation, data collection, analysis, visualization, and result presentation.
CO3	Use industry-standard platforms like Python, SQL, Tableau, Power BI, and cloud services to deliver data-driven solution
CO4	Communicate actionable insights effectively through reports, dashboards, and presentations to stakeholders
CO5	Tackle complex challenges and work collaboratively to achieve project goals

Mapping of CO and PO:

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	3	3	2	3	3	3	2	2	3
CO2	3	3	3	3	3	3	3	3	3	2	2	2
CO3	3	3	3	3	3	1	3	3	3	1	2	1
CO4	3	3	3	3	3	2	3	3	3	2	2	2
CO5	3	3	3	3	3	2	3	3	3	2	3	2

Content:

Unit	Content	Hrs.
1	Rules: The project development shall be carried out along with the regular subject in curriculum during the semester. The students can develop their project individually or in a group of not more than 2 students. Group size can be increased with prior approval of head of institution. ● The passing standard is 40% in internal and external examination jointly. ● The detail study of any enterprise application or any major IT infrastructure setup can also be accepted as a project work. The project can be developed in any language or platform but it is required to get approved by the head of the institution. For the purpose of approval, Students have to submit their project titles and proposals with the name of internal and external guides to the Head of Institution In case, if the student proposal is rejected, the revised proposal in the same or other area is required to submit and get it sanctioned. Failing to do this, his/her term will not be granted. ● The students have to report to the internal guide for at least 4 times during the project life span. Students are required to submit their presentation in soft copy as per format to assigned internal guide at least before 4 days of internal presentation schedule. ● The external examiners appointed by the University will give the external marks on the basis of the heads like Presentation, Demonstration, Viva Voce, and Documentation etc. The distribution of marks to different heads may be decided at the time of evaluation of the project but it is expected to have the same distribution. ● The Internal Guide or Head of the Institution will give the internal marks. These marks may be given on the bases of regular reporting of the student to the internal guide	09

Internal Assessment		External Assessment	
Proposal & Planning	10 %	Final Viva Presentation (Project planning , Data Collection, Preprocessing, Methodology, Implementation, Result etc.)	85 %
Data Collection & Preprocessing	15 %		
Methodology & Implementation	30 %		
Results & Analysis	20 %		
Presentation & Communication	25%	Report Submission	15%