



GANPAT UNIVERSITY

FACULTY OF COMPUTER APPLICATIONS

Programme	Master of Computer Applications	Branch/ Spec.	Computer Application
Semester	III	Version	1.0.0.0
Effective from Academic Year	2024-25	Effective for the batch Admitted in	June 2024
Subject Code	P13A3DOP	Subject Name	DevOps

Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		C E	S E E	Total
	L	TU	P	T W					
Credit	2	0	2	0	4	Theory	40	60	100
Hours	2	0	4	0	6	Practical	20	30	50

Objective:

- To design to drive business innovation and continuous process improvement.

Pre-requisites:

- Student should have experience in both software development and system administration

Course Outcomes :

- 1 = Slight (Low); 2 = Moderate (Medium); 3 = Substantial (High); “-” = No Correlation

Name of CO	Description							
CO1	Explain core DevOps concepts, its evolution, and compare SDLC models							
CO2	Configure and automate continuous integration workflows using Jenkins							
CO3	Deploy and manage applications using Docker							
CO4	Automate configuration management and infrastructure provisioning using Ansible.							
Mapping of CO and PO								
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	3	2	1	1	0	0	0	2
CO2	2	1	3	3	1	0	0	1

University Examination Duration: 3 Hours

Note for Examiner: -

(I) Questions 1 and 4 are compulsory with no options.

(II) Internal options should be given in questions 2, 3, 5 and 6.

SECTION – I

Q.1 –8 Marks

Q.2 –11 Marks

Q.3 –11 Marks

SECTION - II

Q.4 –8 Marks

Q.5 –11 Marks

Q.6 –11 Marks