

GANPAT UNIVERSITY

FACULTY OF COMPUTER APPLICATION

Master of Computer Applications

Program Duration: 2 Years (4 Semesters)/ 1 Years (2 Semesters)

TEACHING AND EXAMINATION SCHEME

Programme		Master of Computer Applications				Branch/Spec.			Computer Applications											
Semester		II																		
Effective from Academic Year				2026-27		Effective for the batch Admitted in										July 2026				
Subject Category	Subject Code	Subject Name	Teaching scheme												Examination scheme (Marks)					
			Credit						Hours (per week)						Theory			Practical		
			Lecture(DT)			Practical(Lab.)			Lecture(DT)			Practical(Lab.)			CIA	SEE	Total	CI A	SEE	Total
			L	TU	Total	P	TW	Total	L	TU	Total	P	TW	Total						
Major	P12A1S EA	Software Engineering and Agile	2	0	2	1	0	1	2	0	2	2	0	2	40	60	100	20	30	50
Major	P12A2D EV	DevOps	2	0	2	2	0	2	2	0	2	4	0	4	40	60	100	20	30	50
Major	P12A3C PA	Cross Platform Application Development	2	0	2	2	0	2	2	0	2	4	0	4	40	60	100	20	30	50
Ability Enhancement	P12D4L P	Linux Programming	2	0	2	1	0	1	2	0	2	2	0	2	40	60	100	20	30	50
Skill Enhancement		Specialization Tracks Elective – I	2	0	2	2	0	2	2	0	2	4	0	4	40	60	100	20	30	50
Skill Enhancement		Specialization Tracks	2	0	2	2	0	2	2	0	2	4	0	4	40	60	100	20	30	50

		Elective – II																		
	Total		12	0	12	10	0	10	12	0	12	20	0	20	200	300	500	80	120	200

SEM II		
Specialization Tracks	<i>Specialization Tracks Elective – I</i>	<i>Specialization Tracks Elective – II</i>
Artificial Intelligence and ML	P12E5IAM Introduction of AI and Machine Learning Foundations	P12E6AAR AI Agents & Reinforcement Learning
Cybersecurity and Digital Forensics	P12E5EHV Ethical Hacking & Vulnerability Assessment	P12E6DFI Digital Forensics & Incident Response
Data Science and Analytics	P12E5EDP Exploratory Data Analysis & Predictive Analytics	P12E6DPE Data Pipelines & ETL Orchestration
Cloud Computing and DevOps	P12E5CAS Cloud Architecture and Services	P12E6CAG Cloud Analytics and GCP
Internet of Things (IoT)	P12E5ESM Embedded Systems & Microcontroller Programming	P12E6SWC Sensors & Wireless Communication