

MASTER OF COMPUTER APPLICATIONS
(Two Years Regular Programme AICTE approved)

(For those who joined since 2021-22)

PROGRAMME SPECIFIC OUTCOMES:

PSO 1: Gaining understanding to apply knowledge of computing and technological advances in real life applications

PSO 2: An ability to design, implement and evaluate computer-based systems to meet stakeholder needs

PSO 3: A sense of professional, ethical, legal, security and social responsibilities

PROGRAMME STRUCTURE

Se m	Subject Code	Cours e	Subject Title	Hrs / wk	Credi t	CIA Marks	ESE Mark s	Total Mark s
I	HMCAC11	Core I	Java Programming	5	5	40	60	100
	HMCAC12	Core II	Data Structures and Algorithms	5	5	40	60	100
	HMCAC13	Core III	Statistical Data Analysis using R Tool	5	5	40	60	100
	HMCAC14	Core IV	Web Technology	5	5	40	60	100
	HMCAC15P	Core V	Web Designing Lab	5	3	40	60	100
	HMCAC16P	Core VI	J2EE Lab	5	3	40	60	100
	HMCAX10	Extra Credit	*Online Certification	-	2	-	-	-
				Total	30	26+2	240	360

			d. Block Chain Technologies					
	HMCAX20	Extra Credit	*Online Certification	-	2	-	-	-
			Total	30	24+2	240	360	600
III	HMCAC31	Core XI	Open Source Technologies	5	5	40	60	100
	HMCAC32	Core XII	Software Project Management	5	5	40	60	100
	HMCAC33P	Core XIII	Software Testing and Quality Assurance Lab	5	3	40	60	100
	HMCAC34P	Core XIV	Open Source Technologies Lab	5	3	40	60	100
	HMCAE3A/ HMCAE3B/ HMCAE3C/ HMCAE3D	Elective III	a. Network Architecture and Management / b. Big Data Analytics / c. Cyber Security / d. Linux Administration and Network Programming	5	4	40	60	100

	HMCAE3E/ HMCAE3F/ HMCAE3G/ HMCAE3H	Elective IV	a. Enterprise Resource Planning / b. Data Science / c. Operating Systems / d. Context Aware Computing	5	4	40	60	100
	HMCA3P	Extra Credit	Internship	-	2	-	100	100
			Total	30	24+2	240	360+100	600+100
IV	HMCAC41	Core XV	Optimization Techniques	5	5	40	60	100
	HMCAC42	Core XVI	Machine Learning and Applications	5	5	40	60	100
	HMCAC43PW	Core XVII	Project	18	6	100	100	200
	HMSED4	Extra Credit	Skills for Employability Development	-	2	100	-	100
			Library/Browsing	1				
			Remedial/Games	1				
			Total	30	16+2	180+100	220	400 + 100
			Grand Total	120	90 + 8	900+100	1300 + 100	2200 + 200

* For Online certification, credit alone will be assigned on submission of certificate obtained through appearing for Online Examination from EdX, Swayam, Spoken Tutorial, NPTEL or Coursera, etc. approved by the department