



Amrutvahini Sheti and Shikshan Vikas Sanstha's

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

(An Autonomous Institute Approved by AICTE and Affiliated to SPPU, Pune)

Amrutnagar, Ghulewadi, Sangamner – 422608



Curriculum Structure

Of

M. Tech. Computer Engineering

w.e.f

F.Y. M. Tech: 2025 – 2026



Approved By:

Chairman
BoS, Computer Engineering
Amrutvahini College of Engineering, Amrutnagar
Sangamner-422608

Chairman
Academic Council
Amrutvahini College of Engineering, Amrutnagar
Sangamner-422608



F.Y MTech (Computer Engineering) (2025 Pattern)

Course Code	Course Type	Course Name	Teaching Scheme (Hrs./week)			Examination Scheme and Marks					Credits			
			Theory	Tutorial	Practical	CCE*	End-Sem	Term work	Practical	Oral	Theory	Tutorial	Practical	Total
Semester I														
R25-MCO-MFCE-501	Major Core Course	Mathematical Foundations for Computer Engineering	4	-	-	50	50	-	-	-	4	-	-	4
R25-MCO-AA-502	Major Core Course	Advanced Algorithms	4	-	-	50	50	-	-	-	4	-	-	4
R25-MCO-AML-503	Major Core Course	Advanced Machine Learning	4	-	-	50	50	-	-	-	4	-	-	4
R25-MCO-BA-504	Major Core Course	Business Analytics	4	-	-	50	50	-	-	-	4	-	-	4
R25-MCO-LP1-505	Major Core Course	Laboratory Practice-I	-	-	4	-	-	50	-	50	-	-	2	2
R25-MCO-MEC-506(A)	Major Elective Course (Elective –I)	Elective-I A. Distributed Computing	4	-	-	50	50	-	-	-	4	-	-	4
R25-MCO-MEC-506(B)		B. Natural Language Processing												
R25-MCO-MEC-506(C)		C. AI in Healthcare												
R25-MCO-CTS-507	CivicTech Skill Course	Human Rights I	-	-	-	-	-	-	-	-	-	-	-	1
Total			20	-	4	250	250	50	--	50	20	--	2	23

CCE*: Comprehensive Continuous Evaluation

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			Theory	Tutorial	Practical	CCE*	End-Sem	Term work	Practical	Oral	Theory	Tutorial	Practical	Total
Semester II														
R25-MCO-QC-508	Major Core Course	Quantum Computing	4	-	-	50	50	-	-	-	4		-	4
R25-MCO-ACN-509	Major Core Course	Advanced Computer Network	4	-	-	50	50	-	-	-	4		-	4
R25-MCO-ASE-510	Major Core Course	Advanced Software Engineering	4	-	-	50	50	-	-	-	4	-	-	4
R25-MCO-LPII-511	Major Core Course	Laboratory Practice-II	-	-	4	-	-	25	-	25	-	-	2	2
R25-MCO-MEC-512(A)	Major Elective Course (Elective –II)	Elective-II A. Multi cloud Architecture	3	-	-	50	50	-	-	-	3	-	-	3
R25-MCO-MEC-512(B)		B. Generative Artificial Intelligence												
R25-MCO-MEC-512(C)		C. Deep Learning												
R25-MCO-MEC-513(A)	Major Elective Course (Elective –III)	Elective-III A. Computer Vision	3	-	-	50	50	-	-	-	3	-	-	3
R25-MCO-MEC-513(B)		B. Internet of Things												
R25-MCO-MEC-513(C)		C. Speech Processing												
R25-MCO-SEMI-514	Seminar	Seminar I	-	-	4	-	-	50	-	-	-	-	2	2
R25-MCO-CTS-515	CivicTech Skill Course	Human Rights II	-	-	-	-	-	-	-	-	-	-	-	1
Total			18		4	250	250	75	-	25	18	-	4	23

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