

**COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**DEPARTMENT OF COMPUTER APPLICATIONS  
KOCHI – 682 022, KERALA, INDIA**



**MASTER OF COMPUTER APPLICATIONS  
AMENDMENTS TO REGULATIONS  
(2025 admission onwards)**

(As per U.O. No. CUSAT/AC(A).A3/3037/2025 dated 29.07.2025, Academic Council held on 26.05.2025 vide agenda item No. II (48), regulations of all PG/UG Programmes offered by the University have been amended, w.e.f 2025 admission onwards. Therefore the regulations of the programme Master of Computer Applications is hereby modified accordingly, w.e.f 2025 admission onwards.)

**MASTER OF COMPUTER APPLICATIONS**  
**AMENDMENTS TO REGULATIONS (2025 admission onwards)**

<b>SEMESTER-1</b>								
Course Code	Course Name	Marks			Hours			Credit
		CA	ES	Total	L	T	P	
25-382-0101	Mathematical Foundations for Computing	50	50	100	3	1	0	4
25-382-0102	Data Structures and Algorithm using C	50	50	100	3	1	0	4
25-382-0103	Digital Fundamentals and Computer Architecture	50	50	100	3	1	0	4
25-382-0104	Software Engineering	50	50	100	3	1	0	4
25-382-0105	Python Programming	50	50	100	3	1	0	4
25-382-0106	Data Structures Lab	50	50	100	0	1	2	2
25-382-0107	Python Programming Lab	50	50	100	0	1	2	2
	<b>TOTAL</b>							24
<b>SEMESTER-II</b>								
Course Code	Course Name	Marks			Hours			Credit
		CA	ES	Total	L	T	P	
25-382-0201	Computer Networks	50	50	100	3	1	0	4
25-382-0202	Operating Systems	50	50	100	3	1	0	4
25-382-0203	Machine Learning	50	50	100	3	1	0	4
25-382-0204	Object Oriented Programming	50	50	100	3	1	0	4
25-382-0205	Database Management Systems	50	50	100	3	1	0	4
25-382-0206	Java Lab (OOPS)	50	50	100	0	1	2	2
25-382-0207	Database Management Systems Lab	50	50	100	0	1	2	2
	<b>TOTAL</b>							24

**SEMESTER-III**

Course Code	Course Name	Marks			Hours			Credit
		CA	ES	Total	L	T	P	
25-382-0301	Web Technologies and Programming	50	50	100	3	1	0	4
25-382-0302	Cryptography and Network Security	50	50	100	3	1	0	4
	Elective1-Interdisciplinary Elective	50	50	100	3	0	0	3
	Elective2-MOOC	0	100	100				3
	Elective 3	50	50	100	3	0	0	3
25-382-0303	Mini Project	50	0	50	0	1	6	4
	<b>TOTAL</b>							21

**SEMESTER-IV**

Course Code	Course Name	Marks			Hours			Credit
		CA	ES	Total	L	T	P	
25-382-0401	Internship/Project	200	200	400	0	3	26	16

## ELECTIVES

	<b>Subject</b>
<b>ELECTIVE I - INTERDISCIPLINARY ELECTIVE</b>	
25-382-0321	<b>ELECTIVE 2 -MOOC</b>
<b>ELECTIVE 3</b>	
25-382-0331	Natural Language Processing
25-382-0332	Internet of Things
25-382-0333	Explainable AI
25-382-0334	Bioinformatics
25-382-0335	Blockchain Technology
25-382-0336	Social Network Analysis
25-382-0337	Malware Analysis
25-382-0338	Design Thinking
25-382-0339	Semantic web
25-382-0340	Computer Vision
25-382-0341	Software Testing
25-382-0342	Network Security Essentials
25-382-0343	Digital Image Processing
25-382-0344	Cloud Computing
25-382-0345	Theory Of Computation
25-382-0346	Software Project Management
25-382-0347	Soft Computing Techniques
25-382-0348	Cyber Forensic
25-382-0349	Android Application Programming
25-382-0350	Deep Learning
25-382-0351	Big Data Analytics