NATIONAL COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI-1

M.Sc. COMPUTER SCIENCE-COURSE STRUCTURE UNDER CBCS PATTERN

(For the candidates admitted from the Academic year 2025 onwards)

S.NO	SEM	CODE	COURSE	COURSE TITLE	Exam Hrs.	Instruction Hrs./Week	Credits	Internal Marks	External Marks	Total Marks
1	I	P25CS1	Core I	Mathematical Foundations for Computer Science	3	6	4	25	75	100
2	I	P25CS2	Core II	RMI Technology	3	6	5	25	75	100
3	I	P25CS3P	Core-Practical-III	RMI Technology Lab	3	3	3	25	75	100
4	I	P25CS4	Core IV	Blockchain Technology	3	6	5	25	75	100
5	I	P25CS5E1TP P25CS5E2TP P25CS5E3TP	Core -Elective I Theory & Practical	**Elective 1** A. Data Exploration & warehousing B. Data Engineering and Management C. Network Protocols	2(T) 3(P)	9	7	15+10 = 25	45+30 = 75	100
6	II	P25CS6	Core V	Compiler Design	3	6	5	25	75	100
7	II	P25CS7	Core VI	Machine Learning	3	6	5	25	75	100
8	II	P25CS8P	Core- Practical VII	Machine Learning Lab	3	3	3	25	75	100
9	II	P25CS9	Core VIII	Software Architecture	3	6	5	25	75	100
10	II	P25CS10E1 P25CS10E2 P25CS10E3	Core -Elective II	**Elective 2** A. Web Development Technology B. Dot Net Technologies C. Soft Computing	3	6	4	25	75	100
11	II	P25CS11E1P P25CS11E2P P25CS11E3P	Core -Elective Practical II	**Elective 2 Lab** A. Web Development Technology Lab B. Dot Net Technologies Lab C. Soft Computing Lab	3	3	3	25	75	100
12	III	P25CS12	Core IX	Relational Database Design	3	6	4	25	75	100
13	III	P25CS13P	Core- Practical X	Relational Database Design Lab	3	3	3	25	75	100
14	III	P25CS14	Core XI	Cloud Computing	3	6	4	25	75	100
15	III	P25CS15	Core XII	AI & Expert Systems	3	6	4	25	75	100
16	III	P25CS16E1TP P25CS16E2TP P25CS16E3TP	Core -Elective III Theory & Practical	**Elective 3** A. Cyber Risk Management B. IoT C. Cryptography and Network Security	2(T) 3(P)	9	8	15+10 = 25	45+30 = 75	100
17	IV	P25CS17	Core XIII	Big Data Analytics using R	3	6	4	25	75	100
18	IV	P25CS18P	Core- Practical XIV	Big Data Analytics using R Lab	3	6	4	25	75	100
19	IV	P25CS19	Core XV	Agile &Software Process Development	3	6	4	25	75	100
20	IV	P25CSP20	Project	PROJECT		12	6	75	25	100
GRAND TOTAL						120	90			2000

THE REVISED BLOOM'S TAXONOMY

K1 : Remember
K2 : Understand
K3 : Apply
K4 : Analyze
K5 : Evaluate
K6 : Create

EVALUATION PATTERN

CIA	
Scholastic	**20**
Non-Scholastic	**5**
Total	**25**

SCHOLASTIC				NON-SCHOLASTIC	MARKS		
C1	**C2**	**C3**	**C4**	**C5**	**CIA**	**ESE**	**Total**
5	**6**	**4**	**5**	**5**	**25**	**75**	**100**

CIA COMPONENTS	Nos.	MARKS
C1-Test I (CIA I)	**1**	**5**
C2-Test II (CIA II)	**1**	**6**
C3-ASSIGNMENT	**2**	**4**
C4-SEMINAR	**1**	**5**
C5-ATTENDANCE	**1**	**5**
		25

Signature of the HOD Signature of Science Dean