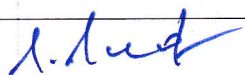


J.J. College of Arts and Science (Autonomous)
Proposed Course Structure based on TANSCHÉ and UGC - LOCF
(Choice Based Credit System)
(Applicable for the Candidates admitted from the academic year 2026-2027 Onwards)
B.Sc. Computer Science

Sl.No.	Course Category	Course Code	Course	Credits	Hours /Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part – I	U1R4TL1/HL1/FL1/SL1	Tamil/Hindi/French/Sanskrit	3	5	30	70	100
2	Part – II	U1R4EL1	English Language Course – I	3	5	30	70	100
3	Part - III	U1R4CSCC1	Programming in C	5	5	30	70	100
4		U1R4CSCC2P	Programming in C Practical	4	6	40	60	100
5		U1R4CSAC1	Numerical Methods	3	4	30	70	100
6		U1R4CSAC2	Digital Computer Fundamentals	3	3	30	40	100
7	Part – IV	U1R4_GEC1	To be opted from other Department	2	2	30	70	100
Total				23	30	-	-	700
Semester II								
1	Part – I	U2R4TL2/HL2/FL2/SL2	Tamil/Hindi/French/Sanskrit	3	5	30	70	100
2	Part – II	U2R4EL2	English Language Course – II	3	5	30	70	100
3	Part - III	U2R4CSCC3	Data Structures	5	5	30	70	100
4		U2R4CSCC4P	Data Structures Practical	4	6	40	60	100
5		U2R4CSAC3	Operations Research	3	3	30	70	100
6		U2R4CSAC4	Mathematical Statistics	3	4	40	60	100
7	Part – IV	U2R4_GEC2	To be opted from other Department	2	2	30	70	100
Total				23	30	-	-	700
Semester III								
1	Part – I	U3R4TL3/HL3/FL3/SL3	Tamil/Hindi/French/Sanskrit	3	5	30	70	100
2	Part – II	U3R4EL3	English Language Course – III	3	5	30	70	100
3	Part - III	U3R4CSCC5	Object-Oriented Programming using Java	5	5	30	70	100
4		U3R4CSCC6P	Object-Oriented Programming using Java Practical	4	5	40	60	100
5		U3R4CSAC5	Applied Physics – I	3	4	30	70	100
6	Part – IV	U3R4CSSEC 1:1 /1:2	Web Technology/ Mobile Application Development	2	2	30	70	100
7		U3R4VE	Value Education	2	2	30	70	100
8	Part – V	U3R4HW	Health and Wellness	1	2	-	-	100
Total				23	30	-	-	800



Dr.S.SUDHA

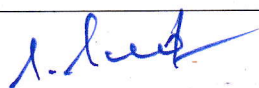
Vice Principal and Head

Department of Computer Science

J.J. College of Arts and Science (Autonomous)

Pudukkottai- 622 422.

Semester IV								
1	Part – I	U4R4TL4/HL4/ FL4/SL4	Tamil/Hindi/French/Sanskrit	3	5	30	70	100
2	Part – II	U4R4EL4	English - Language Course – IV	3	5	30	70	100
3	Part – III	U4R4CSCC7	Database Systems	5	5	30	70	100
4		U4R4CSCC8P	Database Systems Practical	4	6	40	60	100
5		U4R4CSAC6P	Applied Physics – II Practical	3	5	30	70	100
6	Part – IV	U4R4CSSEC 2:1 / 2:2	Cyber Security Fundamentals/ UI/UX Design	2	2	30	70	100
7		U4R4CSSLC 1	Online Course (MOOCs/ NPTEL / SWAYAM / SWAYAM PLUS/Courseera)*	2	-	-	-	100
8		U4R4ES	Environmental Studies	2	2	30	70	100
Total				24	30	-	-	800
Semester V								
1	Part – III	U5R4CSCC9	Operating System	5	5	30	70	100
2		U5R4CSCC10	Computer Networks	5	5	30	70	100
3		U5R4CSCC11	Python Programming	5	5	30	70	100
4		U5R4CSCC12P	Python programming Practical	4	5	40	60	100
5		U5R4CSDSE1: 1 / 1:2	Software Engineering / Software Project Management	3	5	30	70	100
6	Part – IV	U5R4CSINT	Internship**	2	-	-	-	100
7		U5R4CSSEC3: 1 / 3:2	Computer Graphics and Multimedia / Data Visualization	2	3	30	70	100
8		U5R4CSSLC 2:1 / 2:2	Data Analysis using Spreadsheet / Gen AI Tools	2	-	50	50	100
9		U5R4IDM	Introduction to Disaster Management	2	2	30	70	100
Total				30	30	-	-	900
Semester VI								
1	Part – III	U6R4CSCC13	Microprocessor and Interfacing	5	5	30	70	100
2		U6R4CSCC14P	Microprocessor Practical	4	5	40	60	100
3		U6R4CSCC15PW	Project Work	5	6	-	-	100
4		U6R4CSDSE 2:1 / 2:2	Artificial Intelligence/ Fundamentals of Machine Learning	3	5	30	70	100
5		U6R4CSDSE 3:1 / 3:2	Cloud Computing/ Internet of Things	3	5	30	70	100
6	Part – IV	U6R4CSVAC	Soft Skills	2	2	-	-	100
7		U6R4GS	Gender Studies	2	2	30	70	100
	Part – V	Extension Activity	-	1	-	-	-	-
Total				25	30	-	-	700
Grand Total				148				4600



Dr.S. SUDHA

Vice Principal and Head

Department of Computer Science

J.J. College of Arts and Science (Autonomous)

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* A minimum of 4 weeks will be the Course Duration

** Internship during Semester – IV Summer Vacation. The Credits shall be awarded in Semester - V
Statement of Marks.

Generic Elective Courses Offered by the Department

1. Office Automation
2. Advanced Excel



Dr.S. SUDHA
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