

J.J. College of Arts and Science (Autonomous)
Department of Computer Applications

Proposed Course Structure based on TANSCH and UGC - LOCF
(Choice Based Credit System)

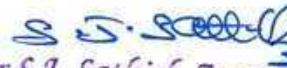
(Applicable for the Candidates admitted from academic year 2023-2024 Onwards)

B.C.A. - Semester I

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part - I	U1R3TL1/ HL1/FL1	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U1R3EL1	Language - II (English)	3	6	25	75	100
3	Part - III	U1R3CACC1	Python Programming	5	5	25	75	100
4		U1R3CACC2P	Python Programming Practical	5	5	40	60	100
5		U1R3CADSE 1:1/ 1:2/ 1:3	Anyone from the List	3	4	25	75	100
6	Part - IV	U1R3CASEC1 (NME)	To be opted from other Department	2	2	25	75	100
7		U1R3CAFC	Structured Programming Language in C	2	2	25	75	100
Total				23	30			700

M.C.A. - Semester I

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
Semester I							
1	P1R3CACC1	Discrete Mathematics	5	7	25	75	100
2	P1R3CACC2	Linux and Shell Programming	5	7	25	75	100
3	P1R3CACC3	Python Programming	4	6	25	75	100
4	P1R3CADSE 1:1 / 1:2 / 1:3 / 1:4	Elective - I Theory Anyone from the List	3	5	25	75	100
5	P1R3CADSE 2:1P / 2:2P / 2:3P / 2:4P	Elective - II Lab Anyone from the List	3	5	40	60	100
Total			20	30			500


Dr. S.J. Sathish Aaron Joseph
 M.Sc., M.Phil., P.G.D.E.Com., B.Ed., Ph.D.
 Head, Dept. of Computer Applications,
 J.J. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
 SIVAPURAM POST, PUDUKKOTTAI - 622 422

Department of Computer Applications
Course Structure Based on TANSCH and UGC - LOCF
(Choice Based Credit System)
(Applicable for the Candidates admitted from the Academic year 2023 - 2024 Onwards)

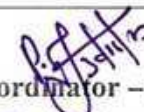
B.C.A. - Semester II

Sl. No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
Semester II								
1	Part - I	U2R3TL2/ HL2/FL2	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U2R3EL2	Language - II (English)	3	6	25	75	100
3	Part - III	U2R3CACC3	Object Oriented Programming Concepts using C++	5	5	25	75	100
4		U2R3CACC4P	C++ Programming Lab	5	5	40	60	100
5		U2R3CADSE 2:1 / 2:2 / 2:3	Discrete Mathematics - II / Statistical methods and its Applications - II / Graph Theory and its Applications	3	4	25	75	100
6	Part - IV	U2R3CASEC2 (NME2)	To be selected from other Department	2	2	25	75	100
7		U2R3CASEC 3:1 / 3:2	Fundamentals of Information Technology / Understanding Internet	2	2	25	75	100
Total				23	30			700

M.C.A. - Semester II

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
Semester II							
1	P2R3CACC4	Data Structures and Algorithms	5	6	25	75	100
2	P2R3CACC5	Big Data Analytics	5	6	25	75	100
3	P2R3CACC6P	Practical II - (Data Structures and Algorithms & Big Data Analytics Lab)	4	6	40	60	100
4	P2R3CADSE 3:1 / 3:2	Software Development Technologies / Soft Computing	3	5	25	75	100
5	P2R3CADSE 4:1 / 4:2	Social Networks / High Performance Computing	3	5	25	75	100
6	P2R3CASEC 1:1 / 1:2	Internet of Things / Data Engineering and Management	2	2	25	75	100
Total			22	30			600






Head of the Department **Director - CDC** **Co-ordinator - IQAC** **Principal**

Dr. S. J. Sathish Aaron Joseph **Dr. S. J. SATHISH AARON JOSEPH** **Dr. P. Jeevan** **Dr. J. PARASURAMAN,**
 M.Sc., M.Phil., P.G.D.E.Com., B.Ed., Ph.D. M.Sc., M.Phil., P.G.D.Ecom., B.Ed., Ph.D. Co-ordinator-IQAC M.A.M.B.A., M.C.A., M.Phil., B.Ed., Ph.D.
 Head, Dept. of Computer Applications Director, Curriculum Development Cell (CDC) College of Arts and Science (Autonomous) College of Arts and Science (Autonomous)
 J.I. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS) J.I. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS) Sivapuram Post, Pudukkottai-622 422 J. Nagar, Sivapuram Post, PUDUKKOTTAI - 622 422.