

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

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


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

**B.Sc. Computer Science - Semester I**

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
<b>Semester I</b>								
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	U1R3CSCC1	Python Programming	5	5	25	75	100
4		U1R3CSCC2P	Python Programming Practical	5	4	40	60	100
5		U1R3CSDSE1:1 / 1:2	Anyone from the List	3	5	25	75	100
6	Part - IV	U1R3CSSEC1 (NME)	To be opted from other Department	2	2	25	75	100
7		U1R3CSFC	Problem Solving Techniques	2	2	25	75	100
<b>Total</b>				<b>23</b>	<b>30</b>			<b>700</b>

**M.Sc. Computer Science - Semester I**

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
<b>Semester I</b>							
1	PIR3CSCC1	Analysis & Design of Algorithms	5	6	25	75	100
2	PIR3CSCC2	Object Oriented Analysis and Design & C++	5	6	25	75	100
3	PIR3CSCC3P	Algorithm and OOPs Lab	4	6	40	60	100
4	PIR3CSDSE 1:1 / 1:2 / 1:3	Anyone from the List	3	6	25	75	100
5	PIR3CSDSE 2:1 / 2:2 / 2:3	Anyone from the List	3	6	25	75	100
<b>Total</b>			<b>20</b>	<b>30</b>			<b>500</b>

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

### Department of Computer Science

Proposed Course Structure based on TANSICHE and UGC - LOCF

(Choice Based Credit System)

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### B.Sc. Computer Science - Semester II

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
<b>Semester II</b>								
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	U2R3CSCC3	Data Structures and Algorithms	5	6	25	75	100
4		U2R3CSCC4P	Data Structures and Algorithms Practical	5	3	40	60	100
5		U2R3CSDSE 2:1 / 2:2	Graph Theory and its applications / Digital Computer Fundamental	3	5	25	75	100
6	Part - IV	U2R3CSSEC2 (NME2)	To be opted from other Department	2	2	25	75	100
7		U2R3CSSEC 3:1 / 3:2	Advanced Excel / R Programming	2	2	25	75	100
<b>Total</b>				<b>23</b>	<b>30</b>			<b>700</b>

### M.Sc. Computer Science - Semester II

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
<b>Semester II</b>							
1	P2R3CSCC4	Data Mining and Warehousing	5	6	25	75	100
2	P2R3CSCC5	Python Programming	5	6	25	75	100
3	P2R3CSCC6P	Python Programming Lab	4	6	40	60	100
4	P2R3CSDSE 3:1 / 3:2 / 3:3	Compiler Design / Block Chain Technology / Distributed Technologies	3	4	25	75	100
5	P2R3CSDSE 4:1 / 4:2 / 4:3	Web Services / Big Data Analytics / Advanced Software Engineering	3	4	25	75	100
6	P2R3CSSEC 1:1 / 1:2 / 1:3	Web programming / React JS / WAP and XML	2	4	25	75	100
<b>Total</b>			<b>22</b>	<b>30</b>			<b>600</b>

**Principal**

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**Dr. P. Jeevan**  
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