

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

Sivapuram Post, Pudukkottai – 622 422

(Re-Accredited by NAAC with B++ Grade)

Affiliated to Bharathidasan University, Tiruchirappalli

Minutes of the Board of Studies

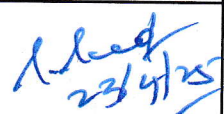
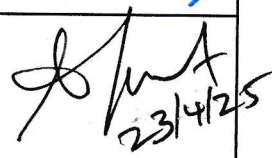
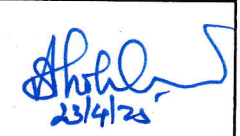
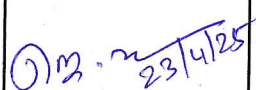
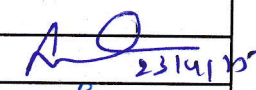
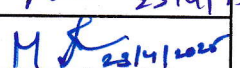
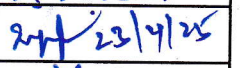
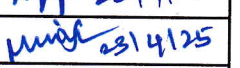
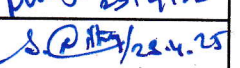
PG and Research Department of Computer Science

Meeting No: 11

Date: 23.04.2025 & Time: 11.00 a.m.

The Meeting of the Board of Studies in PG and Research Department of Computer Science (U.G. and P.G.) for the **Eighth Revision of the Curricula** to be implemented from **2024-2025**, was conducted on Wednesday, **23.04.2025** at 11.00 a.m.

Members List

S.No.	Name	Designation	Signature
1.	Dr. S. Sudha PG and Research Department of Computer Science, J.J.College of Arts and Science (Autonomous), Pudukkottai.	Chairman & Head	 23/4/25
2.	Dr. A.Aloysius Associate Professor Department of Computer Science, St.Joseph's College (Autonomous), Tiruchirappalli – 620 002.	University Nominee	 23/4/25
3.	Dr. A.Ashok Kumar Associate Professor, Department of Computer Science, Alagappa Govt. Arts College, Karaikudi. – 630 003.	Subject Expert	 23/4/25
4.	Dr. J. Arunadevi Assistant Professor PG and Research Department of Computer Science, Raja Doraisingam Govt. Arts College, Sivaganga – 630 561	Subject Expert	 23/4/25
5.	Dr. S. Rathnadevi	Senior Faculty members of the Department	 23/4/25
6.	Ms. M.Jothi		 23/4/2025
7.	Dr. J. Nithyapriya		 23/4/25
8.	Ms. M.Nithyakalyani Mekala		 23/4/25
9.	Ms. S. Nithya		 23/4/25
10.	Mr.R.Dharun Aashick Senior Software Developer, TalentQuest Solutions Pvt Ltd., Electronic City Phase I, Bengaluru – 560 100.	Corporate Member	Absent
11.	Mr.D.S. Dhinoj Head of Cyber Security, Throttle Aerospace Systems Pvt Ltd, Bengaluru – 560 100.	Post Graduate Alumnus	Absent

The Chairman, Dr. S.Sudha chaired the meeting and welcomed all the members to the eleventh BoS Meeting. After a brief introduction, the following resolutions were discussed and passed.

1. It is resolved to introduce a course titled **“Health and Wellness”- U3R3HW** (under Part- V) in the third semester of the U.G Programme for students admitted from the Academic Year 2024-2025 in keeping with the instructions from the Parent University. (Vide. Letter from Registrar i/c No.692/CCCD/BDU/C-1/2024, dated 30.12.2024). The syllabus will be as indicated by TANSCHÉ and the evaluation would be as follows, with no formal examination.

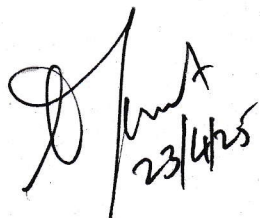
Activities (Observation during Practice) : 40 Marks

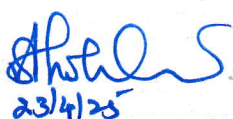
Attendance : 20 Marks

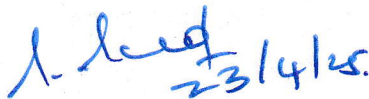
Report : 40 Marks

The weightage for this course will be 01 credit – 02 teaching hours per week

2. It is resolved to review the existing curricula and courses and make changes wherever necessary in the light of stake holder’s feedback.
3. It is resolved to motivate the students to do concurrent Courses under SWAYAM / MOOCS platform.
4. It is resolved to continue with the Value-Added Courses offered by the Department with modifications, wherever necessary.
5. It is resolved to modify and follow a total of 44 Courses, 4400 Marks with 142 Credits for the UG Programme.
6. It is resolved to include two New Courses in Discipline Specific Elective
 - i. Fundamentals of IoT (U6R3CSDSE7:3)
 - ii. Generative AI and Tools (U6R3CSDSE8:3)
7. It is resolved to follow the same course structure passed in the previous Board of Studies with a total of 21 Courses, 2100 Marks and 90 Credits.


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Distribution of Courses - UG

Part	Course	No. of Courses	Credits	Marks
Part – I	Language – Tamil / Hindi / French	04	12	400
Part – II	Language – English	04	12	400
Part – III	Core Course	14	84	2300
	Project work	01		
	Discipline Specific Elective Courses	08		
Part – IV	Skill Enhancement Courses	07	31	1100
	Foundation Course (FC)	01		
	Environmental Studies	01		
	Value Education	01		
	Internship	01		
Part – V	Health and Wellness	01	1	100
	Gender Studies	01	1	100
	Extension Activity	-	1	-
Grand Total		44	142	4400

Distribution of Courses - PG

Course Component	No. of Courses	Marks	Credits
Core Courses	12	1200	58
Project	01	100	10
Discipline Specific Electives	05	500	15
Skill Enhancement Courses	02	200	04
Internship	01	100	03
Total	21	2100	90

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B.Sc. COMPUTER SCIENCE
Proposed Course Structure based on UGC -
LOCF and TANSCH

(Choice Based Credit System)

(Applicable for the candidates admitted from the academic year 2024 - 2025 onwards)

Sl. No.	Course Category	Course Code	Course	Overall Credits	Total Hours/ Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part - I	U1R3RTL1/ HL1/FL1	Language Course–I	3	6	25	75	100
2	Part - II	U1R3REL1	English Language Course–I	3	6	25	75	100
3	Part - III	U1R3CSCC1	Python Programming	5	5	25	75	100
4		U1R3CSCC2P	Python Programming Practical	5	5	40	60	100
5		U1R3CSDSE 1:1/1:2	Anyone from the List	3	4	25	75	100
6	Part - IV	U1R3CSSEC1 (NME 1)	To be opted from other Department	2	2	25	75	100
7		U1R3CSFC	Problem Solving Techniques	2	2	25	75	100
Total				23	30			700
Semester II								
1	Part - I	U2R3RTL2/ HL2/FL2	Language Course– I (Tamil/Hindi/French)	3	5	25	75	100
2	Part - II	U2R3REL2	English Language Course– II	3	5	25	75	100
3	Part-III	U2R3CSCC3	Data Structures and Algorithms	5	6	25	75	100
4		U2R3CSCC4P	Data Structures and Algorithms Practical	5	5	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 (NME 2)	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
Total				23	30			700

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Semester III								
1	Part - I	U3R3RTL3/ HL3/FL3	Language Course–III (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U3R3REL3	English Language Course–III	3	6	25	75	100
3	Part - III	U3R3CSCC5	Relational Database Management System	5	5	25	75	100
4		U3R3CSCC6P	RDBMS Practical	5	5	40	60	100
5		U3R3CSDSE 3:1/ 3:2	Applied Physics / Internet Programming	3	4	25	75	100
6	Part - IV	U3R3CSSEC 4:1/ 4:2	PHP Programming/ Visual Programming	2	2	25	75	100
7		U3R3VE	Value Education	2	2	25	75	100
8.	Part - V	U3R3HW	Health and Wellness	1	-	-	-	100
Total				24	30			800

Semester IV								
1	Part - I	U4R3RTL4/H L4/ FL4	Tamil/Hindi/French	3	5	25	75	100
2	Part - II	U4R3REL4	English	3	5	25	75	100
3	Part - III	U4R3CSCC7	Java Programming	5	6	25	75	100
4		U4R3CSCC8P	Java Programming Practical	5	5	40	60	100
5		U4R3CSDSE 4:1P/4:2P	Applied Physics Practical/ Internet Programming Practical	3	3	40	60	100
6	Part - IV	U4R3CSSEC 5:1/5:2	Information Security/J2EE	2	2	25	75	100
7		U4R3CSSEC 6:1/ 6:2	Soft Skills/ Emotional Intelligence and Social Skills	2	2	25	75	100
8		U4R3ES	Environmental Studies	2	2	25	75	100
Total				25	30			800

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Semester V								
1	Part-III	U5R3CSCC9	Data Communication Networks	5	6	25	75	100
2		U5R3CSCC10	Software Engineering	4	6	25	75	100
3		U5R3CSCC11	Dot NET Programming	4	6	25	75	100
4		U5R3CSCC12P	Dot NET Practical	4	4	40	60	100
5		U5R3CSDSE 5:1/5:2	Operating System/ Mobile Ad-hoc Network	3	4	25	75	100
6		U5R3CSDSE 6:1/6:2	HTML and Web Design/Web Services	3	4	25	75	100
7	Part -IV	U5R3CSINT	Internship (During Semester IV Summer Vacation. Credits shall be awarded in Semester V)	2	-	-	-	100
Total				25	30			700
Semester VI								
1	Part - III	U6R3CSCC13	Microprocessor and Its Applications	4	6	25	75	100
2		U6R3CSCC14P	Microprocessor and Its Applications Practical	4	6	40	60	100
3		U6R3CSCC15PW	Project Work	4	6	-	-	100
4		U6R3CSDSE 7:1/7:2	Data Science/ Linux and Shell Programming/ Fundamentals of IoT	3	3	25	75	100
5		U6R3CSDSE 8:1/8:2	Computer Graphics and Multimedia /Fundamentals of Machine Learning/ Generative AI and Tools	3	5	25	75	100
6	Part - IV	U6R3CSSEC 7:1/7:2	Industry 4.0/ Mobile Application Development	2	2	25	75	100
7	Part - V	U6R3GS	Gender Studies	1	2	25	75	100
8		-	Extension Activities	1	-	-	-	-
			SWAYAM Online Courses- MOOCS	2				
Total				22(2)	30			700
Grand Total				142(2)				4400

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M.Sc. COMPUTER SCIENCE

Proposed Course Structure based on UGC - LOCF and TANSCH

(Choice Based Credit System)

(Applicable for the candidates admitted from the academic year 2023 - 2024 onwards)

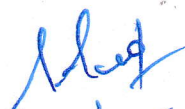
Sl. No.	Course Code	Course	Overall I Credits	Total Hours /Week	Marks		
					CIA	ESE	Total
Semester I							
1	P1R3CSCC1	Core Course I Analysis & Design of Algorithms	5	6	25	75	100
2	P1R3CSCC2	Core Course II Object Oriented Analysis and Design & C++	5	6	25	75	100
3	P1R3CSCC3P	Core Course III Algorithm and OOPS Practical	4	6	40	60	100
4	P1R3CSDSE 1:1/1:2/1:3	Discipline Specific Elective - I Mobile Computing/ Pervasive Computing/ Theory of Computation	3	6	25	75	100
5	P1R3CSDSE 2:1/2:2/2:3	Discipline Specific Elective -II Internet of Things/ Virtual and Augmented Reality/ Embedded Systems	3	6	25	75	100
TOTAL			20	30			500
Semester II							
1	P2R3CSCC4	Core Course - IV Data Mining and Warehousing	5	6	25	75	100
2	P2R3CSCC5	Core Course - V Python Programming	5	6	25	75	100
3	P2R3CSCC6P	Core Course - VI Python Programming Practical	4	5	40	60	100
4	P2R3CSDSE 3:1/3:2/3:3	Discipline Specific Elective - III Compiler Design / Block Chain Technology / Distributed Technologies	3	4	25	75	100
5	P2R3CSDSE 4:1/4:2/4:3	Discipline Specific Elective - IV Web Services / Big Data Analytics / Advanced Software Engineering	3	4	25	75	100
6	P2R3CSSEC 1:1/1:2/1:3	Skill Enhancement Course - I Web programming / React JS / WAP and XML	2	5	25	75	100
TOTAL			22	30			600

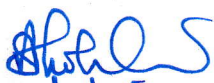
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Sl. No.	Course Code	Course	Overall I Credits	Total Hours /Wee k	Marks		
					CIA	ESE	Total
Semester III							
1	P3R3CSCC7	Core Course - VII Digital Image Processing	5	5	25	75	100
2	P3R3CSCC8P	Core Course - VIII Digital Image Processing Practical	5	5	40	60	100
3	P3R3CSCC9	Core Course – IX Cloud Computing	5	5	25	75	100
4	P3R3CSCC10	Core Course – X Artificial Intelligence and Expert System	5	5	25	75	100
5	P3R3CSDSE 5:1/5:2/5:3	Discipline Specific Elective - V Optimization Techniques/ Soft Computing / Green Computing	3	5	25	75	100
6	P3R3CSSEC 2:1 / 2:2 / 2:3	Skill Enhancement Course - II Cryptography / Cyber Security /Network Security	2	5	25	75	100
7	P3R3CSINT	Internship	3	-	-	-	100
Total			28	30			700
Semester IV							
1	P4R3CSCC11	Core Course – XI Machine Learning	5	8	25	75	100
2	P4R3CSCC12	Core Course – XII Software Quality Assurance and Testing	5	8	25	75	100
3	P4R3CSCC13PW	Core Course – XIII Project Work	10	14	-	-	100
4		SWAYAM – Online Courses (MOOC)	(2)	-	-	-	-
Total			20 (2)	30			300
Grand Total			90(2)				2100


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