

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

Sivapuram Post, Pudukkottai – 622 422

(Re-Accredited by NAAC – 4th Cycle)

Affiliated to Bharathidasan University, Tiruchirappalli

Department of Information Technology

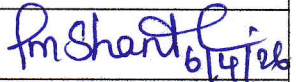
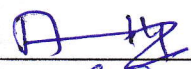
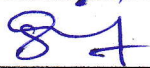
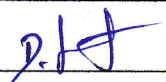
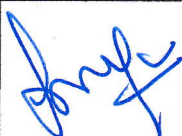
Minutes of the Board of Studies in Information Technology

Meeting No: 12

Date: 06.04.2026 & Time: 10.30 a.m.

The Meeting of the Board of Studies in Information Technology (U.G. and P.G.) for the Eight Revision of the Curricula to be implemented from 2026-2027, was conducted at 10.30 a.m. on Monday, 06.04.2026.

Members List

S.No	Name	Designation	Signature
1.	Dr. R.Manimaran	Chairman, Head, Department of Information Technology, J.J.College of Arts and Science(Autonomous), Pudukkottai.	
2.	Dr. S. Ravichandran	University Nominee, Associate Professor and Head Department of Computer Science H.H. The Rajah's College(Autonomous), Pudukkottai	
3.	Dr. M. Vanitha	Subject Expert, Assistant Professor, Department of Computer Applications Alagappa University, Karaikudi – 630 003.	
4.	Dr. G. Marimuthu	Subject Expert, Assistant Professor and Head Department of Computer Science Yadava College (Autonomous) Thiruppalai, Madurai – 625 014	
5.	Dr. PM. Shanthi	Member, Assistant Professor, Department of Information Technology	
6.	Mr. S. Anthonisamy	Member, Assistant Professor, Department of Information Technology	
7.	Ms. K. Seetha lakshmi	Member, Assistant Professor, Department of Information Technology	
8.	Ms. P. Susila	Member, Assistant Professor, Department of Information Technology	
9.	Mr. D. Suresh	Member, Assistant Professor, Department of Information Technology	
10.	Ms. G. Bhuvaneswari	Corporate Member, Module Leader, Mindtree Ltd., 140, Old Mahaballipuram Road Chennai – 600 113.	Absent
11.	Dr. E. Elakkiya	Alumnus, Guest Lecturer, Department of Computer Science Government Arts College for Women, Sivagangai – 630 562.	

Minutes

The Chairman, **Dr. R. Manimaran** chaired the meeting and welcomed all the members to the Twelfth BoS Meeting. After the brief introduction, the agenda listed below were taken up for discussion and the following resolutions were passed after deliberation.

1. **Mr. S. Anthonisamy**, Assistant Professor, Department of Information Technology included in the member of BoS instead of **Mr. B. Murali**.
2. It is resolved to modify and follow a total of **46 courses**, **4600 marks** and **148 credits** for the B.Sc. I.T. Programme and **22 courses**, **2200 marks** and **95 credits** for the M.Sc. I.T. Programme.
3. It is resolved to include one **Value Added Course** with **2 extra credits** in M.Sc. I.T.
4. Have the following structure for the B.Sc. I.T. and M.Sc. I.T. Programmes.

Distribution of Courses – B.Sc. I.T.

Part	Semester	Course	No. of Course	Credit	Marks
I	1 – 4	Language – (Tamil/Hindi/French/Sanskrit)	04	12	400
II	1 – 4	Language – English	04	12	400
III	1 – 6	Core Course (Theory & Practical)	15	96 (CC – 69, AC – 18, DSE – 09)	2400
	1 – 4	Allied Course (Theory & Practical)	06		
	5 & 6	Discipline Specific Elective	03		
IV	5	Internship	01	02	100
	3,4&5	Skill Enhancement Course (SEC)	03	06	1200
	1&2	Generic Elective Course (IDC)	02	04	
	3, 4, 5&6	Ability Enhancement Compulsory Course (AECC) (EVS, VE, DM, GS)	04	08	
	4 & 5	Self – Learning Course	02	04	
	6	Value Added Course	01	02	
V	3	Health and Wellness	01	01	100
	6	Extension Activity	-	01	-
Grand Total			46	148	4600

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Distribution of Courses – M.Sc. I.T.

S.No.	Semester	Course	No. of Courses	Credits	Marks
1.	1 – 4	Core Courses (Theory & Practical)	12	60	1200
2.	1 – 3	Discipline Specific Elective Course	03	12	300
3.	1, 2& 3	Skill Enhancement Course	03	09	300
4.	3	Generic Elective Course	01	03	100
5.	4	Project Work	01	07	100
6.	3	Internship	01	02	100
7.	2	Self – Learning Course	01	02	100
Total			22	95	2200
8.	4	Value Added Course – Extra Credit	01	02	-
Grand Total			23	97	2200

5. The Revised Syllabus has been implemented from the Academic Year 2026 – 2027 onwards.
6. In this Board of Studies meeting, the Syllabus for first two Semesters have been passed.
7. In the present revision and modification, the General instructions on Curriculum Design, Course Structure, Uniformity of standards etc., given by the UGC - LOCF, AICTE, NAAC, TANSCH and the Parent University have been scrupulously followed.
8. Resolved to include online courses like SWAYAM/SWAYAM PLUS in the both U.G. and P.G. Curriculum.

9. Resolved to have the following 15 Core Courses for B.Sc. I.T. Semester wise as follows

SEMESTER I

1. Programming in C++ (This Core Course is newly introduced)
2. Programming in C++ Practical (This Core Course is newly introduced)

SEMESTER II

1. Programming in PYTHON (Retained as it is)
2. Programming in PYTHON Practical (Retained as it is)

SEMESTER III

1. Programming in JAVA (It is the Core Course of previous curriculum but the unit contents are changed)
2. Programming in JAVA Practical (This Core Course unit contents are changed)

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SEMESTER IV

1. Database Management Systems (Retained as it is)
2. Database Management Systems Practical (Retained as it is)

SEMESTER V

1. Computer Networks (Retained as it is)
2. Operating Systems (Retained as it is)
3. Programming in PHP (Retained as it is)
4. Programming in PHP Practical (Retained as it is)

SEMESTER VI

1. Dot Net Programming (Newly Introduced)
2. Dot Net Programming Practical (Newly Introduced)
3. Project Work (Retained as it is)

10. Resolved to have the following Discipline Specific Elective (DSE) Courses for B.Sc. I.T.

SEMESTER V DSE -1

1. Data Mining (Retained as it is)
2. Digital Image Processing (This course is newly introduced)

SEMESTER VI DSE -2

1. Software Engineering (Retained as it is)
2. Introduction to Data Science (Retained as it is)

DSE -3

1. Internet of Things (This course is newly introduced)
2. Cloud Computing (This course is newly introduced)

11. Resolved to have the following Skill Enhancement Courses for B.Sc. I.T.

SEMESTER III

SEC 1

1. Visual Programming (Retained as it is)
2. C# Programming Practical (This course is newly introduced)

SEMESTER IV

SEC 2

1. ASP Programming (Retained as it is)
2. Ruby Programming (Retained as it is)

SEMESTER V

SEC 3

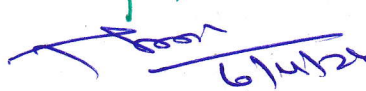
1. Quantitative Aptitude (Retained as it is)
2. Soft Skills (This course is newly introduced)

12. Resolved to have the following Allied Courses for B.Sc. I.T.

SEMESTER I

1. Web Design (Retained as it is)
2. Web Design Practical (This course is newly introduced)

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SEMESTER II

1. Digital Electronics (Retained as it is)
2. Digital Documentation Preparation Practical (Newly introduced)

SEMESTER III

1. Data Structures (Retained as it is)

SEMESTER IV

1. Microprocessor (Retained as it is)

13. Resolved to have the following Ability Enhancement Compulsory Courses for B.Sc. I.T.

SEMESTER III

1. Value Education (Retained as it is)

SEMESTER IV

1. Environmental Studies (Retained as it is)

SEMESTER V

1. Introduction to Disaster Management (This course is newly introduced)

SEMESTER VI

1. Gender Studies (Retained as it is)

14. Resolved to have the following Generic Elective Courses offer to other Department.

SEMESTER I

1. Office Automation (Retained as it is)

SEMESTER II

1. Internet and Web Design (This course is newly introduced)

15. Resolved to have the following Courses for B.Sc. I.T.

SEMESTER III

1. Health and Wellness (Retained as it is)

SEMESTER V

1. Internship (Retained as it is)

16. Resolved to have the following Self Learning Courses for B.Sc. I.T.

SEMESTER IV

1. Online Course (SWAYAM/SWAYAM PLUS) (This course is newly introduced)

or

2. Computer Hardware and Troubleshooting (This course is newly introduced)

SEMESTER V

1. Computer Graphics (This course is newly introduced)

1. AI Tools (This course is newly introduced)

17. Resolved to have the following Value Added Course for B.Sc. I.T.

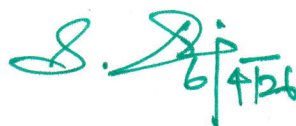
SEMESTER VI

1. Web User Interface (This course is newly introduced)

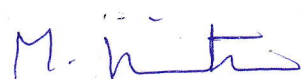
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18. Resolved to have the following 13 Core Courses for M.Sc. I.T. semester wise

SEMESTER I

1. Open Source Technology (Retained as it is)
2. Data Communications Networks (Newly introduced)
3. Open Source Technology Practical (Retained as it is)

SEMESTER II

1. J2EE Technologies (Newly introduced)
2. Mobile Communications (Newly introduced)
3. J2EE Technologies Practical (Newly introduced)

SEMESTER III

1. Advance RDBMS (Retained as it is)
2. Machine Learning (Newly introduced)
3. Artificial Intelligence & Expert Systems (Retained as it is)
4. Advance RDBMS Practical (Retained as it is)

SEMESTER IV

1. Software Project Management (Retained as it is)
2. Big Data Analytics (Retained as it is)
3. Project Work (Retained as it is)

19. Resolved to have the following Discipline Specific Elective Courses M.Sc. I.T. Semester wise.

SEMESTER I

DSE 1

1. OOAD and UML (Retained as it is)
2. Cyber Security (Newly introduced)

DSE 2

1. Data Structures and Algorithms (Newly introduced)
2. Human Computer Interaction (Newly introduced)

SEMESTER II

DSE 3

1. Internet of Things (Retained as it is)
2. Middleware Technology (Newly introduced)

20. Resolved to have the following Skill Enhancement Courses for M.Sc. I.T.

SEMESTER I

SEC 1

1. Cloud Computing (Retained as it is)
2. Advanced Web Technology (This course is newly introduced)

SEMESTER II

SEC 2

1. Web Services (Newly introduced)
2. Distributed Operating Systems (Newly introduced)

SEMESTER II

SEC 3

1. Entrepreneurship for Information Technology (Newly introduced)

21. Resolved to have the following Self Learning Course for M.Sc. I.T.

SEMESTER II

1. Online Course (SWAYAM'SWAYAM PLUS) (Newly introduced)

22. Resolved to have the following Generic Elective Course offer to other department.

SEMESTER III

GEC

1. Social Networks (Newly introduced)

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23. Resolved to have the following Course for M.Sc. I.T.

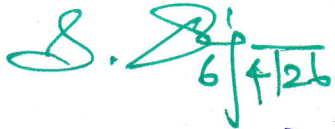
SEMESTER III

1. Internship (Retained as it is)

24. It is resolved to convene a Board of Studies meeting in the coming days (if the need arises) to incorporate the Modifications / Updations in the Curriculum based on the communication from the Parent University / TANSCH.

25. It is resolved to follow the evaluation pattern CIA: **30 Marks** and Ext. **70 Marks** from the Academic Year 2026 – 2027.

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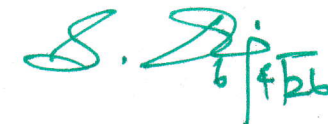
Proposed Course Structure based on TANSCH and UGC - LOCF (Choice Based Credit System)

(Applicable for the Candidates admitted from the academic year 2026-2027 Onwards)

B.Sc. Information Technology

Sl. No.	Course Category	Course Code	Course	Credits	Hours/ Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part - I	U1R4TL1	Tamil	3	6	30	70	100
2	Part - II	U1R4EL1	English	3	6	30	70	100
3	Part - III	U1R4ITCC1	Programming in C++	5	5	30	70	100
4		U1R4ITCC2P	Programming in C++ Practical	5	5	40	60	100
5		U1R4ITAC1	Web Design	3	3	30	70	100
6		U1R4ITAC2P	Web Design Practical	3	3	40	60	100
7	Part - IV	U1R4**GEC1	To be opted from other Department	2	2	30	70	100
Total				24	30	-	-	700
Semester II								
1	Part - I	U2R4TL2	Tamil	3	6	30	70	100
2	Part - II	U2R4EL2	English	3	6	30	70	100
3	Part - III	U2R4ITCC3	Programming in Python	5	5	30	70	100
4		U2R4ITCC4P	Programming in Python Practical	5	5	40	60	100
5		U2R4ITAC3	Digital Electronics	3	3	30	70	100
6		U2R4ITAC4P	Digital Documentation Preparation Practical	3	3	40	60	100
7	Part - IV	U2R4**GEC2	To be opted from other Department	2	2	30	70	100
Total				24	30	-	-	700
Semester III								
1	Part - I	U3R4TL3	Tamil	3	5	30	70	100
2	Part - II	U3R4EL3	English	3	5	30	70	100
3	Part - III	U3R4ITCC5	Programming in JAVA	5	5	30	70	100
4		U3R4ITCC6P	Programming in JAVA practical	5	5	40	60	100
5		U3R4ITAC5	Data Structures	3	4	30	70	100
6	Part - IV	U3R4ITSEC1:1 / U3R4ITSEC1:2	Visual Programming / C# Programming	2	2	30	70	100
7		U3R4AECC1	Value Education	2	2	30	70	100
8	Part - V	U3R4HW	Health and Wellness	1	2	-	-	100
Total				24	30	-	-	800

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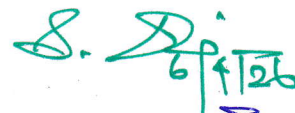
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Semester IV								
1	Part - I	U4R4TL4	Tamil	3	5	30	70	100
2	Part - II	U4R4EL4	English	3	5	30	70	100
3	Part - III	U4R4ITCC7	Database Management Systems	5	6	30	70	100
4		U4R4ITCC8P	Database Management Systems Practical	5	5	40	60	100
5		U4R4ITAC6	Microprocessors	3	5	30	70	100
6	Part - IV	U4R4ITSEC2:1 / U4R4ITSEC 2:2	ASP Programming/ Ruby Programming	2	2	30	70	100
7		U4R4ITSLC1:1/ U4R4ITSLC1:2	Online Course (SWAYAM/ SWAYAM PLUS) / Computer Hardware and Troubleshooting	2	-	-	-	100
8		U4R4AECC2	Environmental Studies	2	2	30	70	100
Total				25	30	-	-	800
Semester V								
1	Part - III	U5R4ITCC9	Computer Networks	5	5	30	70	100
2		U5R4ITCC10	Operating Systems	4	5	30	70	100
3		U5R4ITCC11	Programming in PHP	4	5	30	70	100
4		U5R4ITCC12P	Programming in PHP Practical	4	5	40	60	100
5		U5R4ITDSE1:1 / U5R4ITDSE 1:2	Data Mining / Digital Image Processing	3	5	30	70	100
6	Part – IV	U5R4ITINT	Internship	2	-	-	-	100
7		U5R4ITSEC3:1 / U5R4ITSEC 3:2	Quantitative Aptitude / Soft Skills	2	3	30	70	100
8		U5R4ITSLC2:1 / U5R4ITSLC 2:2	Computer Graphics / AI Tools	2	-	50	50	100
9		U5R4AECC3	Introduction to Disaster Management	2	2	30	70	100
Total				28	30	-	-	900
Semester VI								
1	Part - III	U6R4ITCC13	Dot Net Programming	4	5	30	70	100
2		U6R4ITCC14P	Dot Net Programming Practical	4	5	40	60	100
3		U6R4ITCC15PW	Project Work	4	6	-	-	100
4		U6R4ITDSE2:1 / U6R4ITDSE 2:2	Software Engineering / Introduction to Data Science	3	5	30	70	100
5		U6R4ITDSE3:1 / U6R4ITDSE 3:2	Internet of Things / Cloud Computing	3	5	30	70	100
6	Part - IV	U6R4ITVAC	Web User Interface	2	2	-	-	100
7		U6R4AECC4	Gender Studies	2	2	30	70	100
	Part - V	Extension Activity		1	-	-	-	-
Total				23	30	-	-	700
Grand Total				148				4600

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

Proposed Course Structure based on TANSCHHE and UGC - LOCF

(Choice Based Credit System)

(Applicable for the Candidates admitted from the academic year 2026-2027 Onwards)

M.Sc. Information Technology

Sl. No.	Course Code	Course	Credits	Hours/ Week	Marks		
					CIA	ESE	Total
Semester I							
1	P1R4ITCC1	Open Source Technology	5	6	30	70	100
2	P1R4ITCC2	Data Communication Networks	5	6	30	70	100
3	P1R4ITCC3P	Open Source Technology Practical	5	5	40	60	100
4	P1R4ITDSE1:1 / P1R4ITDSE 1:2	OOAD and UML/ Cyber Security	4	5	30	70	100
5	P1R4ITDSE2:1 / P1R4ITDSE 2:2	Data Structures and Algorithms / Human Computer Interaction	4	5	30	70	100
6	P1R4ITSEC1:1 / P1R4ITSEC 1:2	Cloud Computing/ Advanced Web Technologies	3	3	30	70	100
Total			26	30			600
Semester II							
1	P2R4ITCC4	J2EE Technologies	5	6	30	70	100
2	P2R4ITCC5	Mobile communications	5	6	30	70	100
3	P2R4ITCC6P	J2EE Technologies Practical	5	6	40	60	100
4	P2R4ITDSE3:1 / P2R4ITDSE 3:2	Internet of Things/ Middleware Technologies	4	6	30	70	100
5	P2R4ITSEC2:1 / P2R4ITSEC 2:2	Web Services/ Distributed Operating Systems	3	6	30	70	100
6	P2R4ITSLC	Online Course (SWAYAM/ SWAYAM PLUS)	2	-	-	-	100
Total			24	30			600
Semester III							
1	P3R4ITCC7	Advanced RDBMS	5	6	30	70	100
2	P3R4ITCC8	Machine Learning	5	6	30	70	100
3	P3R4ITCC9	Artificial Intelligence & Expert System	5	6	30	70	100
4	P3R4ITCC10P	Advanced RDBMS Practical	5	6	40	60	100
5	P3R4ITSEC3	Entrepreneurship for Information Technology	3	3	30	70	100
6	P3R4**GEC	To be opted from other Department	3	3	30	70	100
7	P3R4ITINT	Internship	2	-	-	-	100
Total			28	30			700
Semester IV							
1	P4R4ITCC11	Software Project Management	5	6	30	70	100
2	P4R4ITCC12	Big Data Analytics	5	6	30	70	100
3	P4R4ITCC13PW	Project Work	7	18	-	-	100
Total			17	30	-	-	300
4	P4R4ITVAC	VAC : Extra Credit (Trends in Computing)	02	-	-	-	-
Grand Total			97				2200

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