

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: 12

Date: 25.04.2026 & 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 **Ninth Revision of the Curricula** to be implemented from **2026-2027**, was conducted on Saturday, **25.04.2026** at 11.00 a.m.

Members List

S.No.	Name	Designation	Signature
1.	Dr. S. Sudha, Associate Professor and Head PG and Research Department of Computer Science, J.J.College of Arts and Science (Autonomous), Pudukkottai.	Chairman	<i>S. Sudha</i> 25/4/26
2.	Dr. A. Aloysius Associate Professor Department of Computer Science, St. Joseph's College (Autonomous), Tiruchirappalli – 620 002.	University Nominee	<i>A. Aloysius</i> 25/4/26
3.	Dr. A. Ashok Kumar Associate Professor, Department of Computer Science, Alagappa Govt. Arts College, Karaikudi. – 630 003.	Subject Expert	<i>A. Ashok Kumar</i> 25/4/26
4.	Dr. J. Arunadevi Assistant Professor PG and Research Department of Computer Science, Raja Doraisingam Govt. Arts College, Sivaganga – 630 561	Subject Expert	<i>J. Arunadevi</i> 25/4/26
5.	Ms. M.Jothi	Senior Faculty members of the Department	<i>M. Jothis</i> 25/4/26
6.	Ms. M.Nithyakalyani Mekala		<i>M. Nithyakalyani</i> 25/4/26
7.	Ms. S. Nithya		<i>S. Nithya</i> 25/4/26
8.	Ms.N.Muthalagi		<i>N. Muthalagi</i> 25/4/26
9.	Mr.B.Murali		<i>B. Murali</i> 25/4/26
10.	Mr.R.Dharun Aashick Senior Software Developer, TalentQuest Solutions Pvt Ltd., Electronic City Phase I, Bengaluru – 560 100.	Corporate Member	<i>AAA</i>
11.	Mr.D.S. Dhinoj Head of Cyber Security, Throttle Aerospace Systems Pvt Ltd, Bengaluru – 560 100.	Post Graduate Alumnus	<i>AAA</i>

Minutes

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

It was resolved

1. To approve the revised UG and PG curriculum, in accordance with the guidelines of UGC-LOCF, NAAC, TANSCH and the Parent University.
2. To approve the Curriculum, Course Structure (Syllabi) recommended for implementation from the academic year 2026-2027 onwards.
3. To approve the General Course Structure for the B.Sc. and M.Sc. Programmes, along with the syllabi for the first two semesters, were discussed and scrutinized for implementation from the academic year 2026-2027 onwards.
4. To approve the following course structure for UG and PG Programmes respectively.

Distribution of Courses – UG

Part	Semester	Course	No. of Courses	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)	15	96 (CC – 69, AC – 18, DSE – 09)	2400
	1 – 4	Allied Course (Theory)	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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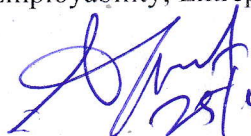
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Distribution of Courses – PG

S.No.	Semester	Course	No. of Courses	Credit	Marks
1.	1 - 4	Core Courses (Theory & Practical)	12	60	1200
2.	1 & 2	Discipline Specific Elective Course	03	12	300
3.	1 - 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
Grand Total			22	95	2200
8.	4	Value Added Course (Extra Credit Course)	01	02	100

5. To approve the changes made in the curriculum based on the special feedback received from all stakeholders on the existing curricula, courses and Syllabi.
6. To adopt the revised Bloom's Taxonomy in framing the Course Outcomes.
7. To approve the newly incorporated guidelines on Curriculum Design prescribed by NAAC.
 - a. The curriculum framework has been aligned with OBE by defining POs, COs & PEOs/PSOs.
 - b. Generic Open Elective Courses for UG and PG Programmes have been designed in alignment with the CBCS to ensure curriculum flexibility.
 - c. Practical and Industry focused field work/project and Internship Training have been incorporated into the curriculum.
 - d. Skill oriented courses offered by the Departments are aligned with NCrf, NSQF, and NHEQF.
 - e. Greater focus has been given to incorporate components of Indian Knowledge Systems into the curriculum.
 - f. Online courses for UG and PG through SWAYAM / SWAYAM PLUS have been incorporated into the curriculum.
 - g. A relationship matrix mapping for COs, POs and PSOs has been implemented for all courses.
 - h. The Curriculum addresses local, regional, national and global needs.
 - i. Courses focus on Employability, Entrepreneurship and Skill Development.


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- j. Courses also emphasize Gender, Environment and Sustainability, Human Values and Professional Ethics.
8. To approve the inclusion of a self-learning course from SWAYAM / SWAYAM PLUS for the UG programme in the 4th semester, carrying two credits and 100 marks, and a subject related self-learning course offered by the department in the 5th Semester also carrying two credits and 100 marks.
 9. To approve that, in the fourth semester, if a student is unable to complete the SWAYAM course, the student shall be permitted to take an optional course offered by the Department under the self-learning category only in the final semester.
 10. To approve the inclusion of a self-learning course from SWAYAM / SWAYAM PLUS for PG programme in the 2nd Semester carrying two credits and 100 marks.
 11. To approve the inclusion of Value Added Course in the sixth semester for the UG Programme under Part – IV.
 12. To approve the Value Added Course to be treated an extra credit course for all PG Programmes. The credit will not be included in CGPA.
 13. To approve the new evaluation pattern of CIA – 30, ESE –70 for both UG and PG programmes as per the guidelines given by UGC and TANSCHER on Examination and Evaluation reforms.
 14. To approve the following pattern for the calculation of CIA

UG		PG	
Category	Marks	Category	Marks
Mid-Semester	7.5	Mid-Semester	7.5
Model Exam	7.5	Model Exam	7.5
Assignment 1	05	Assignment 1	05
Assignment 2	05	Assignment 2	05
Attendance	05	Quiz / Seminar	05
Total	30	Total	30

15. To approve the following question paper pattern for the ESE – 70 marks:

S. No	Section	Marks
1	Part - A	10 x 1 = 10 (5 MCQ & 5 Fill in the blanks)
2	Part - B	5 x 2 = 10 Marks
3	Part - C	5x4 = 20 marks (either... or choice/)
4	Part - D	3x10 = 30 marks (Open choice - 3 out of 5)
Total		70 marks

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16. To approve the following evaluation pattern for the UG & PG project:

S. No	Description	Marks
1	Plan of the Project	20
2	Logical Execution of the Plan	40
3	Innovation	
4	Usage of Modern Tools / Technology	
5	Individual Contribution / Group Activity	
6	Project Report	20
7	Viva-Voce	20
Total		100

17. To approve the internship training shall be undertaken by UG students during their IV semester summer vacation and by PG students during their II semester summer vacation with a duration of 15 to 21 working days.

18. To approve the continuance of awarding credits for the internship course to be reflected in the 5th Semester mark statement for UG programmes and in the III semester mark statement for PG programmes. The scheme for awarding marks for UG and PG programmes are as follows:

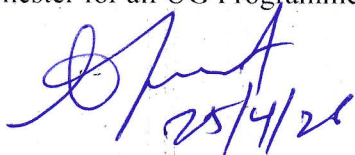
S.No	Description	Marks
1	Report	50
2	Viva Voce	50
Total		100

19. To continue to follow the existing evaluation system for the Health and Wellness Course

Scheme of Evaluation:

Part	Description	Marks
A	Report	40
B	Attendance	20
C	Activities (Observation During Practice)	40
Total		100

20. To approve the inclusion of Introduction to Disaster Management as Ability Enhancement Course in the 5th Semester for all UG Programmes.


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21. To approve the following system for students who have not studied Tamil under Part – I (Languages).

GENERIC ELECTIVE COURSE (IDC) FOR WHO HAVE NOT STUDIED TAMIL UNDER PART - I		
Those who have studied Tamil upto 10 th +2 but opt for other languages in degree	1 st Semester	Special Tamil - I
	2 nd Semester	Special Tamil - II
Those who have not studied Tamil in school level	1 st Semester	Basic Tamil - I
	2 nd Semester	Basic Tamil – II

22. Resolved to have the following 15 Core Courses listed in the 6 semesters of UG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – I			
1.	UIR4CSCC1	Programming in C	Newly Introduced
2.	UIR4CSCC2P	Programming in C Practical	Newly Introduced
SEMESTER – II			
3.	U2R4CSCC3	Data Structures	Renamed and Revised
4.	U2R4CSCC4P	Data Structures Practical	Renamed and Revised
SEMESTER – III			
5.	U3R4CSCC5	Object-Oriented Programming using Java	-
6.	U3R4CSCC6P	Object-Oriented Programming using Java Practical	-
SEMESTER – IV			
7.	U4R4CSCC7	Database Systems	-
8.	U4R4CSCC8P	Database Systems Practical	-
SEMESTER – V			
9.	U5R4CSCC9	Operating System	-
10.	U5R4CSCC10	Computer Networks	-
11.	U5R4CSCC11	Python Programming	-
12.	U5R4CSCC12P	Python programming Practical	-
SEMESTER – VI			
13.	U6R4CSCC13	Microprocessor and Interfacing	-
14.	U6R4CSCC14P	Microprocessor Practical	-
15.	U6R4CSCC15PW	Project Work	-

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23. Resolved to have the following 6 Discipline Specific Elective Courses listed in the 5th and 6th Semesters of UG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – V			
1.	U5R4CSDSE1:1	Software Engineering	-
2.	U5R4CSDSE1:2	Software Project Management	-
SEMESTER – VI			
3.	U6R4CSDSE2:1	Artificial Intelligence	-
4.	U6R4CSDSE2:2	Fundamentals of Machine Learning	-
5.	U6R4CSDSE3:1	Cloud Computing	-
6.	U6R4CSDSE3:2	Internet of Things	-

24. Resolved to have the following 6 Skill Enhancement Courses listed in the 3rd to 6th semesters of UG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – III			
1.	U3R4CSSEC1:1	Web Technology	-
2.	U3R4CSSEC1:2	Mobile Application Development	-
SEMESTER – IV			
3.	U4R4CSSEC2:1	Cyber Security Fundamentals	-
4.	U4R4CSSEC2:2	UI/UX Design	-
SEMESTER – V			
5.	U5R4CSSEC3:1	Computer Graphics and Multimedia	-
6.	U5R4CSSEC3:2	Data Visualization	-

25. Resolved to have the following 6 Allied Course listed in the First 4 semesters of UG,

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – I			
1.	U1R4CSAC1	Numerical Methods*	-
2.	U1R4CSAC2	Digital Computer Fundamentals	-
SEMESTER – II			
3.	U2R4CSAC3	Operations Research*	Newly Introduced
4.	U2R4CSAC4	Probability and Statistics*	Newly Introduced
SEMESTER – III			
5.	U3R4CSAC5	Applied Physics – I**	-
SEMESTER – V			
6.	U4R4CSAC6P	Applied Physics – II Practical**	-

* - The syllabi to be passed in the BoS in Mathematics Department

** - The syllabi to be passed in the BoS in Physics Department

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26. Resolved to have the following 4 Ability Enhancement Compulsory Courses listed in the 3rd to 6th Semesters of UG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – III			
1.	U3R4AECC1	Value Education	-
SEMESTER – IV			
2.	U4R4AECC2	Environmental Studies	-
SEMESTER – V			
3.	U5R4AECC3	Introduction to Disaster Management	-
SEMESTER – VI			
4.	U6R4AECC4	Gender Studies	-

27. Resolved to have the following Self Learning Courses listed in the 4th and 5th semesters of UG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – IV			
1.	U4R4CSSLC 1:1/1:2	Online Course (MOOCs/ NPTEL/ SWAYAM/ SWAYAM PLUS)	Newly Introduced
SEMESTER – V			
2.	U5R4CSSLC2:1	Data Analysis using Spreadsheet	-
3.	U5R4CSSLC2:2	Gen AI Tools	-

28. Resolved to have Internship in the summer vacation of 4th Semester and evaluated in the 5th Semester of UG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – III			
1.	U5R4CSINT	Internship	-

29. Resolved to offer the following Generic Elective Courses in the first 2 semesters to other Departments

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – I			
1.	U1R4CSGEC1	Digital Literacy and Office Automation	Newly Introduced
SEMESTER – II			
2.	U2R4CSGEC2	Advanced Excel	-

30. Resolved to have the following Value-Added Course listed in the 6th Semester of UG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – VI			
1.	U6R4CSVAC	Soft Skills	-

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31. Resolved to have the following 13 Core Courses listed in the 4 semesters of PG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – I			
1.	P1R4CSCC1	Mathematical Foundation for Computer Science	Newly Introduced
2.	P1R4CSCC2	Advanced Python Programming	Renamed and Revised
3.	P1R4CSCC3P	Advanced Python Programming Practical	Renamed and Revised
SEMESTER – II			
4.	P2R4CSCC4	Digital Image Processing	-
5.	P2R4CSCC5	Cryptography and Network Security	Newly Introduced
6.	P2R4CSCC6P	Cryptography and Network Security Practical	Newly Introduced
SEMESTER – III			
7.	P3R4CSCC7	Wireless Networks	-
8.	P3R4CSCC8	WAP and XML	-
9.	P3R4CSCC9	Big Data Analytics	-
10.	P3R4CSCC10P	Big Data Analytics Practical	-
SEMESTER – IV			
11.	P4R4CSCC11	Machine Learning	-
12.	P4R4CSCC12	Software Quality Assurance & Testing	-
13.	P4R4CSCC13P	Project Work	-

32. Resolved to have the following 3 Discipline Specific Elective Courses listed in the First 2 Semesters of PG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – I			
1.	P1R4CSDSE1:1	Design and Analysis of Algorithms	Newly Introduced
2.	P1R4CSDSE1:2	Parallel & High-Performance Computing	-
3.	P1R4CSDSE2:1	Soft Computing	-
4.	P1R4CSDSE2:2	Cloud Computing	-
SEMESTER – II			
5.	P2R4CSDSE3:1	Web Services	-
6.	P2R4CSDSE3:2	Compiler Design	Newly Introduced

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33. Resolved to have the following 3 Skill Enhancement Courses listed in the First 3 Semesters of PG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – I			
1.	P1R4CSSEC1:1	Data Mining and Warehousing	-
2.	P1R4CSSEC1:2	Distributed Operating System	Newly Introduced
SEMESTER – II			
3.	P2R4CSSEC2:1	Artificial Intelligence and Expert System	-
4.	P2R4CSSEC2:2	Blockchain Technology	-
SEMESTER – III			
5.	P3R4CSSEC3:1	Agile Technology	-
6.	P3R4CSSEC3:2	Web Technology	-

34. Resolved to have the following Self Learning Course listed in the 2nd Semester of PG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – II			
1.	P2R4CSSLC1:1:1	Online Course (MOOCs/ NPTEL/ SWAYAM/ SWAYAM PLUS)	Newly Introduced

35. Resolved to have Internship in the summer vacation of 2nd Semester and evaluated in the 3rd Semester of PG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – III			
1.	P3R4CSINT	Internship	-

36. Resolved to offer Generic Elective Courses to other Departments

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – III			
1.	P3R4CSGEC1	Web Design Basics	-

37. Resolved to offer Value Added Course in the 4th Semester of PG

Sl.No.	Course Code	Title of the Course	Revised/ Renamed / Newly Introduced
SEMESTER – IV			
1.	P4R4CSVAC	Augmented Reality and Virtual Reality	-

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