

J.J.COLLEGE OF ARTS AND SCIENCE (Autonomous)
(Re-Accredited by NAAC with 'B++' Grade – Fourth Cycle)
Sivapuram Post, Pudukkottai

DEPARTMENT OF COMPUTER APPLICATIONS

MINUTES OF BOARD OF STUDIES IN COMPUTER APPLICATIONS

Meeting No. : 13 **Venue** : Dept. of Comp. Appls., J.J.C
Date : 24.04.2026 **Time** : 11.30 a.m.

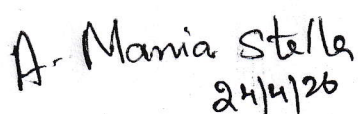
Members

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8. **Dr.N.Kanagaraj** M.C.A.,M.Phil.,Ph.D. - **Faculty Member**
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9. **Mr.R.Muthukumar** (Reg. No: 11283470) M.C.A. - **Corporate Member**
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10. **Mr.D.Vasantha Surya** (Reg. No: P22CA2059) - **Alumnus**
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As part of our Autonomy, the Curricula for all Programme have to be revised once in every three years. In this, regard, the **Revised Curriculum Structure – R4** for the **B.C.A. - 03 Year Programme** and **M.C.A - 02 Year Programme** along with the Syllabus for Semester – I and Semester - II will be proposed and Passed in this Board of Studies meeting (**Meeting No - 13**), for the approval of the Academic Council and to be implemented from the **Academic Year 2026 - 2027 onwards**.

SIGNATURE OF THE MEMBERS:

1.  - Dr.S.J.Sathish Aaron Joseph - (Chairman)
2.  - Dr.E.George Dharma Prakash Raj - (Univ. Nominee)
3.  - Dr.S.Santhosh kumar - (Subject Expert)
4.  - Dr.P.Prabhu - (Subject Expert)
5.  - Ms.A.Maria Stella - (Faculty Member)
6.  - Dr.K.Selvan - (Faculty Member)
7.  - Dr.N.Balajiraja - (Faculty Member)
8.  - Dr.N.Kanagaraj - (Faculty Member)
9. NOT PRESENT - Mr. R.Muthukumar - (Corporate Member)
10.  - Mr.D.Vasantha Surya - (Alumnus)

General Resolutions

1. To follow the revised U.G. & P.G. Curriculum in accordance with the Guidelines of UGC – LOCF, NAAC, TANSCHÉ and the Parent University.
2. To Pass the Curriculum, Course Structure, Syllabi for Semester – I & II along with the Prescribed Text Books & Reference Books to be followed from the Academic Year 2026 – 2027 Onwards. However, the Course Structure for the U.G. & P.G. programme at Institutional level will have to follow a uniform pattern with required variations depending on the discipline specific needs.
3. It is resolved to modify and follow a total of **46 Courses, 4600 Marks** and **148 Credits** for the B.C.A. Programme and **22 Courses, 2200 Marks** and **95 Credits** for the M.C.A. Programme, as mentioned below :

Revision of Curriculum (R4) - Distribution of Courses – B.C.A.

Part	Semester	Course	No. of Course	Credit	Marks
I	1 – 4	Language – (Tamil/Hindi/French)	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

Revision of Curriculum (R4) - Distribution of Courses - M.C.A.

Sl. No.	Semester	Course	No. of Courses	Credits	Marks
1.	1 – 4	Core Courses (Theory & Practical)	12	60	1200
2.	1 – 2	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
Grand Total			22	95	2200
Value Added Course* (Extra Credit Course)			01*	02*	100*

4. The Revised Curriculum will be implemented from the Academic Year 2026 – 2027 onwards following the Revised Bloom's Taxonomy and by accepting the Feedback from all Stake holders.
5. Following the suggestion given by the Honorable members of the Academic Council in its last meeting, an online course through the Portal **SWAYAM / SWAYAM PLUS** and **Value Added Course (VAC)** have been included within the Curriculum itself.
6. To pass the following Pattern for the Calculation of Continuous Internal Assessment :

B.C.A.		M.C.A.-	
Category	Marks	Category	Marks
Mid – Semester Exam	7.5	Mid – Semester Exam	7.5
Model Exam	7.5	Model Exam	7.5
Assignment 01	05	Assignment 01	05
Assignment 02	05	Assignment 02	05
Attendance	05	Seminar / Quiz	05
Total	30	Total	30

7. To pass the following Question Paper Pattern for the End Semester Exam (ESE) – 70 Marks :

Sl. No.	Section	Marks
1	Part – A	10 X 01 = 10 Marks (05 MCQ & 05 Fill in the Blanks)
2	Part – B	05 X 02 = 10 Marks
3	Part – C	05 X 04 = 20 Marks (Either or Choice)
4	Part – D	03 X 10 = 30 Marks (Open Choice – 03 out of 05)
Total	70 Marks	

8. To Pass the following evaluation pattern for the **B.C.A. & M.C.A.** Project Evaluation :

Sl. No.	Description	Marks
1	Plan of the Project	20
2	Logical Execution of the Plan	40 (10 Each)
3	Innovation	
4	Usage of Modern Tools / Technology	
5	Individual Contribution / Group Activity	
6	Project Report	20
7	Viva – Voce	20
Total		100

9. To pass the Internship, training shall be undertaken by B.C.A. Students during their Semester - IV summer vacation and by M.C.A. Students during their Semester – II summer vacation with an duration between 15 to 21 working days.
10. To pass the continuance of awarding, Credits for the Internship course to be reflected in the Semester – V, mark statement for B.C.A. Programme and in Semester - III mark statement for M.C.A. Programme. The scheme for awarding marks for B.C.A. and M.C.A. Programmes are as below :

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

11. Resolved to continue the Course on, **“Health and Wellness”** with 01 Credit and with the following Evaluation Pattern for the B.C.A. Programme :

Sl. No.	Description	Marks
1	Report	40
2	Attendance	20
3	Activities (Observation During Practice)	40
Total		100

12. To pass the inclusion of the Course, **“Introduction to Disaster Management”** as Ability Enhancement Course in Semester - V for all the U.G. Programmes.
13. To pass the following system for students who have not studied Tamil under Part – I (Languages).

GENERIC ELECTIVE COURSE (I.D.C.) (For the Students - Who have not studied Tamil under Part – I)		
Those who have studied Tamil upto 10 th and +2 but opt for other languages during their Degree	Semester – I	Special Tamil - I
	Semester - II	Special Tamil - II
Those who have not studied Tamil in school level itself	Semester – I	Basic Tamil - I
	Semester - II	Basic Tamil – II

Resolutions pertaining to B.C.A. Programme

14. Resolved to offer **04 Language courses under Part – I**, for which the Course title and Syllabi is drafted and passed by the Board of Studies in Tamil.
15. Resolved to offer **04 English Language courses under Part – II**, for which the Course title and syllabi is drafted and passed by the Board of Studies in English.
16. Resolved to offer the following **15 Core Courses** - 08 Theory Courses, 06 Practical Courses and 01 Project Work for the Students of B.C.A.

Semester – I

- | | | |
|-------------------------------|---|------------------|
| 1. Programming in C | – | Newly Introduced |
| 2. Programming in C Practical | - | Newly Introduced |

Semester - II

- | | | |
|----------------------------------|---|----------|
| 3. Programming in Java | – | Retained |
| 4. Programming in Java Practical | - | Retained |

Semester – III

- | | | |
|------------------------------------|---|----------|
| 5. Programming in Python | – | Retained |
| 6. Programming in Python Practical | - | Retained |

Semester – IV

- | | | |
|--|---|----------|
| 7. Relational Database Management System | – | Retained |
| 8. RDBMS Practical | - | Retained |

Semester – V

- | | | |
|----------------------------------|---|------------------|
| 9. Operating Systems | – | Retained |
| 10. Computer Networks | – | Retained |
| 11. Programming in PHP | – | Newly Introduced |
| 12. Programming in PHP Practical | - | Newly Introduced |

Semester – VI

- | | | |
|--------------------------------|---|------------------|
| 13. .net Programming | - | Newly Introduced |
| 14. .net Programming Practical | - | Newly Introduced |
| 15. Project Work | - | Retained |

17. Resolved to offer the following **06 Allied Course (AC)** offered under Allied Course are drafted and Passed in the Board of Studies in Business Administration and Mathematics.

Allied Course :

- | | |
|---|------------------|
| 1. Accounting Package – Tally | - Semester – I |
| 2. Accounting Package Practical Using Tally | - Semester - I |
| 3. Organizational Behaviour | - Semester - II |
| 4. Operations Research | - Semester - II |
| 5. Numerical Methods | - Semester - III |
| 6. Discrete Mathematics | - Semester - IV |

18. Resolved to offer the following **03 Skill Enhancement Course (SEC)** under SEC – 01, SEC - 02 and SEC – 03 in Semester III, IV and V respectively.

SEC 01 – Semester - III

- | | | |
|--------------------------------------|---|----------|
| 1:1 – Introduction to HTML | - | Retained |
| 1:2 – Data structures and Algorithms | - | Retained |

SEC 02 – Semester - IV

- | | | |
|--|---|------------------|
| 2:1 – Fundamentals of Javascript and XML | - | Newly Introduced |
| 2:2 – E-Commerce Technologies | - | Retained |

SEC 03 – Semester - V

- | | | |
|---------------------------------|---|----------|
| 3:1 – Web Design | - | Retained |
| 3:2 – Data Mining & Warehousing | - | Retained |

19. Resolved to offer the following **03 Discipline Specific Elective Course (DSE)** offered under DSE - 01 and DSE - 02 and DSE – 03.

DSE 01 – Semester - V

1:1 – Multimedia Systems	-	Retained
1:2 – Software Engineering	-	Retained

DSE 02 – Semester - VI

2:1 – Mobile Computing	-	Retained
2:2 – Software Testing	-	Retained

DSE 03 – Semester - VI

3:1 – Artificial Intelligence	-	Retained
3:2 – Software Project Management	-	Newly Introduced

20. Resolved to offer the following, “**Self learning Course (SLC)**” in Semester - IV and Semester - V respectively with 02 Credits each.

SLC 01 – Semester - IV

1:1 – Online Course form SWAYAM / SWAYAM PLUS	-	Newly Introduced
1:2 – Department Specific Course based on the above Course	-	Newly Introduced

SLC 02 – Semester - V

2:1 – Web Hosting and Maintainance	-	Newly Introduced
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21. Resolved to offer the following “**Ability Enhancement Compulsory Course (AECC)**”,

• Value Education	-	Semester - III
• Environmental Studies	-	Semester - IV
• Introduction to Disaster Management	-	Semester - V
• Gender Studies	-	Semester - VI

22. Resolved to Retain and offer the **Extension Activity** under Part – V

23. Resolved to offer the following Courses to the Students of other U.G. Programme under GEC :

Generic Elective Course – 1 – Semester - I

1. Computer Skill Development Course - Retained

Generic Elective Course – 2 – Semester - II

2. Internet Skill Development Course - Retained

Resolutions pertaining to M.C.A. Programme

24. Resolved to offer the following **12 Core Courses** (09 Theory Courses + 03 Practical Courses) and **01 Project Work** for the Students of M.C.A.

Semester – I

- | | | |
|----------------------------------|---|------------------|
| 1. Discrete Mathematics | - | Retained |
| 2. Programming in Java | - | Newly Introduced |
| 3. Programming in Java Practical | - | Newly Introduced |

Semester - II

- | | | |
|-----------------------------------|---|----------|
| 4. Data Structures and Algorithms | - | Retained |
| 5. net Technologies | - | Retained |
| 6. net Technologies Practical | - | Retained |

Semester – III

- | | | |
|--|---|------------------|
| 7. Compiler Design | - | Retained |
| 8. Software Engineering | - | Retained |
| 9. Full Stack Web Development | - | Newly Introduced |
| 10. Full Stack Web Development Practical | - | Newly Introduced |

Semester – IV

- | | | |
|---|---|------------------|
| 11. Software Quality Assurance and Testing- | | Retained |
| 12. Block Chain Technologies | - | Newly Introduced |
| 13. Project Work | - | Retained |

25. Resolved to offer the following **03 Discipline Elective Courses (DSE)**.

DSE – 01 (Any 01 in Semester - I)

- | | | |
|-----------------------|---|----------|
| 1. Soft Computing | - | Retained |
| 2. Big Data Analytics | - | Retained |

DSE – 02 (Any 01 in Semester - I)

- | | | |
|-----------------------|---|------------------|
| 1. Internet of Things | - | Retained |
| 2. Ethical Hacking | - | Newly Introduced |

DSE – 03 (Theory - Any 01 in Semester - II)

- | | | |
|--------------------------------|---|----------|
| 1. Network Security | - | Retained |
| 2. Data Communication Networks | - | Retained |

26. Resolved to offer the following **03 Skill Enhancement Courses (SEC)**.

SEC – 01 (Any 01 in Semester - I)

- | | | |
|----------------------------|---|------------------|
| 1. Artificial Intelligence | - | Retained |
| 2. Data Science | - | Newly Introduced |

SEC – 02 (Any 01 in Semester - II)

- | | | |
|----------------------------------|---|----------|
| 1. Management Information System | - | Retained |
| 2. E-Commerce | - | Retained |

SEC – 03 (Any 01 in Semester - III)

- | | | |
|--------------------------------|---|----------|
| 1. Software Testing | - | Retained |
| 2. Software Project Management | - | Retained |

27. Resolved to Retain and offer **Internship** – To be done during the summer vacation of **Second Semester**. The Report should be evaluated and credits **(02)** to be awarded in the Third Semester.

28. Resolved to offer the following, “Self learning Course (SLC)” in Semester 2 with 02 Credits.

SLC 01 – Semester - II

- | | | |
|---|---|------------------|
| 1:1 – Online Course from SWAYAM / SWAYAM PLUS | - | Newly Introduced |
| 1:2 – Data Mining & Warehousing | - | Retained |

29. Resolved to offer the following Courses to the Students of other P.G. Programme under GEC :

Generic Elective Course – Semester – III

- | | | |
|--------------------|---|------------------|
| 1. Mobile Commerce | - | Newly Introduced |
|--------------------|---|------------------|

30. Resolved to offer Value Added Course (VAC) as Extra Credits in Semester – IV.

31. Resolved to include Dr.N.Kanagaraj in the capacity of Faculty member to this Board of Studies instead of Mr.S.Anthonisamy.