

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 Computer Science

Minutes of the Board of Studies in

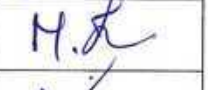
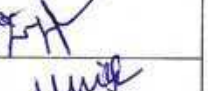
PG and Research Department of Computer Science

Meeting No: 10

Date: 14.03.24 & 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 **Seventh Revision of the curricula** to be implemented from **2023-2024**, was conducted at 11.00 a.m. on Thursday, **14.03.2024**.

Members List

S.No.	Name	Designation	Signature
1.	Dr. S. Sudha	Chairman, Head, PG and Research Department of Computer Science , J.J.College of Arts and Science (Autonomous),Pudukkottai.	
2.	Dr. Gopinath Ganapathy	University Nominee, Professor & Head Department of Computer Science, Engineering and Computer Applications Bharathidasan University, Khaja malai campus, Tiruchirappalli – 23.	
3.	Dr. P. Eswaran	Subject Expert, Assistant Professor Department of Computer Applications Alagappa University, Karaikudi – 630 003.	
4.	Dr. K.C. Chandrasekaran	Subject Expert, Associate Professor and Head Department of Computer Science Alagappa Govt. Arts College, Karaikudi.	ABSENT
5.	Dr. S. Rathnadevi	Senior Faculty members of the Department	
6.	Ms. M.Jothi		
7.	Dr. J. Nithyapriya		
8.	Ms. M.Nithyakalyani Mekala		
9.	Ms. S. Nithya		ABSENT
10.	Mr. R. Arvind	Corporate Member, System Administrator, TCS, Velachery, Chennai- 600042.	ABSENT
11.	Ms. A. Akila	Post Graduate Alumnus, Quality Analyst, Accenture, Embassy Golf, Links Business Park, Bangalore-560071.	ABSENT

Minutes

The Chairman, **Dr. S. Sudha** chaired the meeting and welcomed all the members to the Tenth BoS Meeting. After the brief introduction, the following resolutions were passed after deliberation.

1. In his notification No: 1616, dated 10.08.2021, the Chief Secretary, Department of Higher Education, Government of Tamil Nadu, has given the Autonomous Colleges, the freedom to retain / reframe their syllabi, Course Structure etc., in keeping with their perceptions on Institutional / local needs.
2. The College Council at its meeting held on 16.09.2023 resolved that our Institution will gratefully accept the academic freedom and empower the Boards of Studies either to retain or to reframe their Curriculum for various Programmes under CBCS and UGC- LOCF.
3. However, the Course Structure for the U.G.& P.G. programmes at Institutional level will have to follow a uniform pattern with minor variations depending on the discipline specific needs.
4. It is resolved to modify and follow a total of 43 courses, 4300 marks and 141 credits for the U.G. Programmes and 21 courses, 2100 marks and 90 credits for the P.G. Programmes.

Distribution of Courses - U.G.

Sl.No.	Part	Courses	No. of Courses	No. of Credits	Marks
1.	I	Language Courses	4	12	400
2.	II	English Courses	4	12	400
3.	III	Core Courses	8	37	800
4.		Core Practical	6	28	600
5.		Project Work	1	04	100
6.		Discipline Specific Elective Courses	8	24	800
7.	IV	Internship	1	02	100
8.		Skill Enhancement Courses	7	14	700
9.		Value Education	1	02	100
10.		Environmental Studies	1	02	100
11.		Foundation Course	1	02	100
12.	V	Gender Studies	1	01	100
13.		Extension Activity	-	01	-
Total			43	141	4300



Distribution of Courses - P.G.

Sl.No.	Types of the Courses	No. of Courses	No. of Credits	Marks
1.	Core Courses	12	58	1200
2.	Project Work	01	10	100
3.	Discipline Specific Elective Courses	05	15	500
4.	Internship	01	03	100
5.	Skill Enhancement Courses	02	04	200
Total		21	90	2100

5. The revised Syllabus has been implemented from the Academic Year 2023 – 2024 onwards. In the previous Boards of Studies meeting, the Syllabus for first two Semesters have been passed. Now in the light of the Government Communication, cited in Point No. 1, the Chairman of the Boards of Studies has introduced some changes in the Syllabus for Semester I and Semester II. Such modifications are approved and passed by this Board.
6. The Course Structure mentioned in Point No: 4 for U.G.& P.G. Programmes have already been approved and passed by the Boards of studies in Information Technology
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, TANSCHÉ and the Parent University have been scrupulously followed.
8. Following the suggestion given by the Honorable members of the Academic Council in its last meeting, a course on Gender Studies has been included.
9. Resolved to include various online courses like SWAYAM - MOOCs with extra credits. The credits thus earned will be reflected in the Cumulative Mark Statement of the students.
10. Resolved to continue offering Value Added Courses.
11. **Resolved to have the following 15 Core Courses for B.Sc. Computer Science Semester wise as follows**

SEMESTER I

1. Python Programming (It was the Skill Enhancement Course of previous Curriculum and now shifted as Core course and the unit contents are changed)
2. Python Programming Practical (Newly introduced Course)

SEMESTER II

1. Data Structures and Algorithms (It is the Core Course of previous curriculum but the unit contents are changed)
2. Data Structures and Algorithms Practical (It is the Core Course of previous curriculum but the unit contents are changed)

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SEMESTER III

1. Relational Database Management System (This course is previous course of the curriculum and Retained as it is)
2. RDBMS Practical (Title and contents are changed)

SEMESTER IV

1. Java Programming (It is the Core Course of previous curriculum and Retained as it is)
2. Java Programming Practical (It is the Core Course of previous curriculum and Retained as it is)

SEMESTER V

1. Data Communication Networks (It is the course of previous curriculum and Retained as it is)
2. Software Engineering (It is the course of previous curriculum and Retained as it is)
3. Dot Net Programming (It is the course of previous curriculum and Retained as it is)
4. Dot NET Practical (It is the course of previous curriculum and Retained as it is)

SEMESTER VI

1. Microprocessor and Its Applications (It is the course of previous curriculum and Retained as it is)
2. Microprocessor and Its Applications Practical (It is the course of previous curriculum and Retained as it is)
3. Software Application Project (It is the course of previous curriculum and Retained as it is)

12. Resolved to have the following Discipline Specific Elective (DSE) Courses for B.Sc. Computer Science.

SEMESTER I

DSE -1

1. Numerical Methods (This Core Course is newly introduced)
2. Statistical Analysis using R (This Core Course is newly introduced)

SEMESTER II

DSE -2

1. Graph Theory and its Applications (It is the new course of the curriculum)
2. Digital Computer Fundamentals (This course is previous course of the curriculum and Retained as it is)

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SEMESTER III

DSE -3

1. Internet Programming (Title Changed but unit contents remain the same)

SEMESTER IV

DSE -4

1. Internet Programming Practical (Title Changed but unit contents remain the same)

SEMESTER V

DSE -5

1. Operating System (It is the course of previous curriculum and Retained as it is)
2. Mobile Ad-hoc Network (This course is newly introduced)

DSE -6

1. HTML and Web Design (It was the Skill Enhancement Course of previous Curriculum and now shifted as DSE and the unit contents are remain the same)
2. Web Services (It is the course of previous curriculum and Retained as it is)

SEMESTER VI

DSE -7

1. Data Science(This course is newly introduced)
2. Linux and Shell Programming (It is the course of previous curriculum and the unit contents are changed)

DSE -8

1. Computer Graphics and Multimedia (It is the course of previous curriculum and the unit contents remain the same)
2. Fundamentals of Machine Learning (This course is newly introduced)

13. Resolved to have the following Skill Enhancement Courses for B.Sc. Computer Science

SEMESTER I NME I [offered to other Department]

1. Office Automation (This course is Newly introduced Course)
2. Markup and Scripting Language (This course is Newly introduced Course)

SEMESTER II NME II [offered to other Department]

1. Multimedia Systems (This course is newly introduced)
2. E- Commerce (It is the course of previous curriculum and Retained as it is)

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SEC 3

1. Advanced Excel (This is a newly introduced course)
2. R Programming (This is a newly introduced course)

SEMESTER III

SEC 4

1. PHP Programming (This course was a DSE earlier now shifted as SEC)
2. Visual Programming (This course is previous course of the curriculum and retained as it is)

SEMESTER IV

SEC 5

1. Information Security (This course is newly introduced)
2. J2EE (This course is previous course of the curriculum and Retained as it is)

SEC 6

1. Soft Skills (It is the previous course of the Curriculum and Retained as it is)
2. Emotional Intelligence and Social Skills (This course is newly introduced)

SEMESTER VI

SEC 7

1. Industry 4.0 (This course is newly introduced)
2. Mobile Application Development (This course is previous course of the curriculum and retained as it is.)

14. Resolved to have the following Courses for B.Sc. Computer Science

SEMESTER I

1. Foundation Course – Problem Solving Techniques (This course is Newly introduced.)

SEMESTER V

1. Internship (This course is Newly introduced)

15. Resolved to have the following 13 Core Courses for M.Sc. Computer Science semester wise

SEMESTER I

1. Analysis & Design of Algorithms (Title changed but the contents remain the same)
2. Object Oriented Analysis and Design & C++ (This course is Newly introduced)
3. Algorithm and Oops Practical (This course is Newly introduced)

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SEMESTER II

1. Data Mining and Warehousing (This course is previous course of the curriculum and Retained as it is)
2. Python Programming (This course is Newly introduced)
3. Python Programming Practical (This course is Newly introduced)

SEMESTER III

1. Digital Image Processing (This course is previous course of the curriculum and Retained as it is)
2. Digital Image Processing Practical (This course is previous course of the curriculum and Retained as it is)
3. Cloud Computing (This course is previous course of the curriculum and Retained as it is)
4. Artificial Intelligence and Expert System (This course is Newly Introduced)

SEMESTER IV

1. Machine Learning (This course is previous course of the curriculum and Retained as it is)
2. Software Quality Assurance and Testing (This course is previous course of the curriculum and Retained as it is)
3. Project Work (This course is previous course of the curriculum and Retained as it is)

16. Resolved to have the following Discipline Specific Elective Courses for M.Sc. Computer Science Semester wise.

SEMESTER I

Group A:

1. Mobile Computing (This course is previous course of the curriculum and Retained as it is)
2. Pervasive Computing (This course is previous course of the curriculum and Retained as it is)
3. Theory of Computation (This course is Newly introduced course)

Group B:

1. Internet of Things (This course is previous course of the curriculum and Retained as it is)
2. Virtual and Augmented Reality (This course is Newly introduced course)
3. Embedded System (This course is previous course of the curriculum and Retained as it is)

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SEMESTER II

Group C:

1. Compiler Design (This course is previous course of the curriculum and Retained as it is)
2. Block Chain Technology (This course is Newly introduced)
3. Distributed Technologies (This course is previous course of the curriculum and Retained as it is)

Group D:

1. Web Services (This course is previous course of the curriculum and Retained as it is)
2. Big Data Analytics (This course is Newly introduced)
3. Advanced Software Engineering (This course is Newly introduced)

SEMESTER III

Group E:

1. Optimization Techniques (This course is Newly introduced Course)
2. Soft Computing (This course is Newly Introduced Course)
3. Green Computing (This course is Newly Introduced Course)

17. Resolved to have the following Skill Enhancement Courses for M.Sc. Computer Science

Skill Enhancement Courses (SEC):

SEMESTER II – SEC Group A

1. Web programming (This course is Newly introduced Course)
2. React JS (This course is Newly introduced Course)
3. WAP and XML (This course is previous course of the curriculum and Retained as it is)

SEMESTER III – SEC Group B

1. Cryptography (This course is Newly introduced Course)
2. Cyber Security (This course is Newly introduced Course)
3. Network Security (This course is previous course of the curriculum and Retained as it is)

18. Resolved to have the following Course for M.Sc. Computer Science

SEMESTER III

1. Internship (This course is Newly introduced)

