

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

Sivapuram Post, Pudukkottai – 622 422

(Re-Accredited by NAAC with B++ – 4th Cycle)

Affiliated to Bharathidasan University, Tiruchirappalli

PG & Research Department of Computer Science

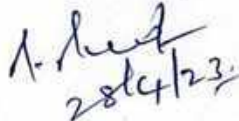
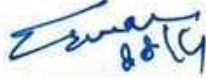
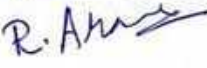
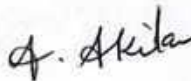
Minutes of the Board of Studies Meeting**Meeting No: 08****Date: 28.04.2023 & Time: 10.15 a.m.**

As part of our Autonomy, the Curricula for all the Programmes offered in the College have to be revised once in every three years. Though the Curriculum is revised in 2022, the Current Revision is necessary based on the Notification received from the TANSCHER & Parent University.

Hence, this meeting is called for.

The Meeting of the Board of Studies in Computer Science(U.G. and P.G.) for the **sixth revision of the curricula** to be implemented from **2023-2024**, was conducted at 10.15 a.m. on Friday, 28.04.2023.

Members List

Sl. No.	Name	Designation	Signature
1	Dr.S.Sudha Head, Department of Computer Science, J.J.College of Arts and Science(Autonomous), Pudukkottai.	Chairman	
2	Dr Gopinath Ganapathy Professor, Department of Computer Science BharathidsanUniversity ,Tiruchirappalli.	Nominee from the Parent University	
3	Dr.K.C.Chandrasekaran Associate Professor and Head Alagappa Govt. Arts College, Karaikudi.	Subject Experts Outside the Parent University	
4	Dr.P.Eswaran Assistant Professor Department of Computer Applications Alagappa University, Karaikudi.	Subject Experts Outside the Parent University	
5	Dr.S.Rathnadevi	Senior Faculty members of the Department	
6	Ms.M.Jothi		
7	Dr.J.Nithyapriya		
8	Ms.S.Nithya		
9	Ms.M.NithyakalyaniMekala		
10	Mr. R. Arvind Sytem Administrator TCS,Velachery, Chennai 600042.	Representative from Industry / Corporate	
11	Ms.A.Akila Quality Analyst Accenture, Embassy Golf Links Business Park Bangalore – 560 071.	Post Graduate Meritorious Alumnus	

The Chairman, Dr.S.Sudha chaired the meeting and welcomed all the members to the eighth BoS Meeting. After the brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.It was resolved to

1. As per the instructions from **TANSCH** and the **Parent University**, it is resolved to include **75 % of mandatory inclusion** content from model syllabus and **25 % of Preferential inclusion** by our Department to preserve equivalence in U.G. and P.G. Degree Programmes to enable student Mobility to be implemented from the academic year 2023 – 2024 onwards is framed and restructured following the guidelines laid down by the UGC - LOCF and Tamil Nadu State Council for Higher Education (TANSCH) and the Parent University.
2. Evaluate the Syllabus followed during the Academic Year 2022 – 2023 based on the first Semester Results.
3. Analyze the previous Curriculum based on the feedback received from the Teachers, Employers, Students and the Alumni.
4. Approve the Curriculum, Course Structure (Syllabi) and Text Books recommended for implementation from 2023-2024 onwards.
5. In the present meeting the General Course Structure for the B.Sc. Computer Science programme and syllabus for the first two semesters were discussed and scrutinized for implementation from the Academic year 2023–2024 onwards based on the communication from the Parent University / TANSCH.
6. Have the following structure for **B.Sc. Computer Science**

Distribution of Courses:

Part	Course	No. of Courses	Credits	Marks
P – I	Language – Tamil / Hindi / French	04	12	400
P – II	Language – English	04	12	400
P – III	Core Course	15	84	2300
	Elective Course(EC)	08		
P – IV	Skill Enhancement Course (SBE)	08	31	1600
	Foundation Course(FC)	01		
	Environmental Studies	01		
	Value Education	01		
	Internship	01		
	Ability Enhancement Compulsory Course (AECC)	04		
P – V	Extension Activity	01	1	-
Grand Total		48	140	4700

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7. Implement the following guidelines on Curriculum design given by NAAC

- a. Specific mention has been made of Program outcomes (POs), Program specific outcomes (PSOs), Course Outcomes (COs), Programme Educational Objectives (PEOs) and Course Objectives in the Syllabus.
 - b. Relationship Matrix for CO, PO and PSO for all courses implemented.
 - c. Curriculum addresses local, Regional, National and Global Needs
 - d. Courses focus on Employability, Entrepreneurship and Skill Development
 - e. Courses also focus on Gender, Environment and Sustainability, Human values and Professional Ethics.
8. Introduce Internship – summer vacation at the end of 4th semester under Part IV
9. Introduce Foundation Course (FC) as a new course in the 1st semester.
10. Environmental Studies (IV Sem.) and Value Education (V Sem.) courses to be followed as per the previous curriculum.
11. Introduce Professional Competency Skill Enhancement Course - Open Source Software Technologies under Part IV during the VI Semester (Title changed but content remains the same).
12. Resolved to have the following 15 Core Courses semester wise

SEMESTER I

1. Python Programming (It is the skill enhancement course of the previous curriculum now shifted to Core Course)
2. Python Programming Practical (It is the newly introduced course)

SEMESTER II

1. Data Structures and Algorithms (It is the Core Course of previous Curriculum but content is different)
2. Data Structures and Algorithms Practical (It is the Core Course of previous Curriculum but content is different)

SEMESTER III

1. Microprocessor and Microcontroller (It is the newly introduced course)
2. Microprocessor and Microcontroller Practical (It is the newly introduced course)

SEMESTER IV

1. Java Programming (It is the Core Course of previous Curriculum)
2. Java Programming Practical (It is the Core Course of previous Curriculum)

SEMESTER V

1. Computer Networks (It is the Core Course of previous Curriculum)
2. Database Management System (It is the Core Course of previous Curriculum)
3. Database Management Practical (Title changed but contents remain the same)

4. Project (It is the Core Course of previous Curriculum but shifted from 6th Semester to 5th Semester)

SEMESTER VI

1. Software Engineering (It is the Discipline Specific Course of previous Curriculum now shifted to Core Course)
2. .NET Programming (It is the Core Course of previous Curriculum)
3. .NET Programming Practical (It is the Core Course of previous Curriculum)

13. Resolved to have the following 8 Elective (Generic/Discipline Specific) Courses

SEMESTER I

Elective Course 1

1. Numerical Methods (It is the Allied Course of previous curriculum but it is shifted as Elective Course with Title and contents changed)
2. Statistical Analysis Using R (It is the newly introduced course)

SEMESTER II

Elective Course 2

1. Graph Theory and its applications (It is the newly introduced course)
2. Digital Computer Fundamental (It is the Core Course of previous Curriculum)

SEMESTER III

Elective Course 3

1. Discrete Mathematical Structures (It is the newly introduced course)
2. Image Processing (It is the newly introduced course)

SEMESTER IV

Elective Course 4

1. Artificial Intelligence (It is the newly introduced course)
2. Artificial Neural Networks (It is the newly introduced course)

SEMESTER V

Elective Course 5

1. Operating Systems (It is the core course of the previous curriculum)
2. Mobile Ad-hoc Network (It is the newly introduced course)

Elective Course 6

1. Data Mining and Warehousing (It is the Discipline Specific Elective course of the previous curriculum)
2. Software Testing (It is the Discipline Specific Elective course of the previous curriculum)

SEMESTER VI

Elective Course 7

1. Introduction to Data Science (It is the newly introduced course)
2. Compiler Design (It is the newly introduced course)

Elective Course 8

1. Cyber security (It is the newly introduced course)
2. Information Security (It is the newly introduced course)

14. Resolved to offer the following **Skill Enhancement Courses** as NME to other Departments

SEMESTER I

Skill Enhancement Course – 1 (Non Major Elective)

1. Office Automation (It is the course of the previous curriculum)
2. Mark-up and Scripting Languages (It is the newly introduced course)

SEMESTER II

Skill Enhancement Course – 2 (Non Major Elective)

1. Multimedia Systems (It is the course of the previous curriculum)
2. E-Commerce (It is the newly introduced course)

15. Resolved to offer the following Skill Enhancement Courses

SEMESTER II

Skill Enhancement Course-3 (Discipline / Subject Specific)

1. Advanced Excel (It is the newly introduced course)
2. R Programming (It is the newly introduced course)

SEMESTER III

Skill Enhancement Course -SEC-4

1. PHP Programming (It is the course of the previous curriculum)
2. UNIX Programming (It is the newly introduced course)

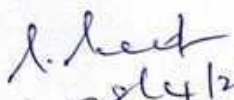
Skill Enhancement Course -SEC-5

1. Cloud Computing (It is the newly introduced course)
2. Network Security (It is the newly introduced course)

SEMESTER IV

Skill Enhancement Course -SEC-6

1. Web Application Development (It is the newly introduced course)
2. Mobile Application Development (It is the course of the previous curriculum)


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Skill Enhancement Course -SEC-7

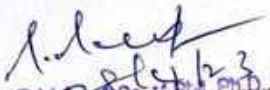
1. Big Data Analytics (It is the newly introduced course)
2. Internet of Things (It is the newly introduced course)

16. Resolved to offer the following Foundation course (FC) in the first semester
 1. Problem Solving Techniques (It is the newly introduced course)
17. Resolved to offer the following Ability Enhancement Compulsory courses in the first 2 semesters
 1. Introduction to study skills (It is the newly introduced course)
 2. Computing Skills (It is the newly introduced course)
 3. Job Oriented Skills (It is the newly introduced course)
 4. Life skills (It is the newly introduced course)
18. Percentage of Revision carried out in PG Programme (2022 – 2023).
19. The same Course Structure for M.Sc. Computer Science Programme offered during 2022 – 2023 will be followed:

Distribution of Courses

Sl. No	Course	No. of. Courses	Credit	Marks
1	Core Courses	14	70	1400
2	Discipline Specific Elective Course	02	06	200
3	Skill Enhancement Courses	01	03	100
4	Generic Elective Course	01	03	100
5	Project Work	01	08	100
Grand Total		19	90	1900

20. Resolved to modify the course content as per the suggestion of subject experts for the following Core Courses :
 1. Design and Analysis of Algorithm is shifted to 1st Semester from 3rd Semester, and 20% of the Course content is modified.
 2. Advanced Java Programming is shifted to 2nd Semester from 1st Semester and the content is retained as it is.
 3. Advanced Java Programming Practical is shifted to 2nd Semester from 1st Semester and the content is retained as it is.
 4. Advanced Web Technology, 20% of the Course content is modified.
 5. Internet of Things, 20% of the Course content is modified.


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6. Advanced Database Management Systems is shifted to 2nd Semester from 3rd Semester the content is retained as it is.
7. Mobile Computing, 20% of the Course content is modified.
8. Digital Image Processing is shifted to 3rd Semester from 2nd Semester and Course content is retained as it is.
9. Image Processing Practical is shifted to 3rd Semester from 2nd Semester and Course content is retained as it is.
10. Machine Learning, 20% of the Course content is modified.
11. Data Science and Big Data Analytics is shifted to 3rd Semester from 2nd Semester and 20% of the Course content is modified.
12. Cloud Computing, 20% of the Course content is modified

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