

Fatima College (Autonomous), Madurai
The Minutes of the Board of Studies meeting

Name of the Department: Computer Science
Programme: B.Sc

To be implemented from the academic year
2023-2024 onwards. Convened on 3.4.2023
at 2 pm in the Department of Computer Science

Members present

1. Dr. G. Germaine Mary
Head, Dept. of Computer Science
Fatima College

Chairman

Germaine Mary
3/4/23

2. Dr. P. Kabilan
Assistant Professor
Dept. of Computer Science
Madurai Kamaraj University College

University Nominee

Dr. P. Kabilan
3/4/23

3. Dr. S. Vimala
Associate Professor
Dept. of Computer Science
MTWU, Kodaikanal

Subject Expert

Absent

4. Dr. Sr. Shanthi Mary Joshi
Associate Prof. & Head
Dept. of Computer Science
Teyaraj Annampackiam College
Periyakulam

Subject Expert

Sr. Shanthi Mary Joshi
3/4/23

5. Mr. G. Sahaya Raj Industrialist
Principal Software Engineer
Dell International Pvt. Ltd.
Bangalore

h. Shij 3/4/23

6. Dr. S. Shaik Parveen Alumna
Assistant Professor
Dept. of Computer Science
The American college
Madurai

Dr. S. Shaik Parveen 3/4/23

7. Dr. A. Rajeswari Dean of Academic Affairs
Assistant Prof in Chemistry - Science
Fatima College

A. Rajeswari 3/4/2023

Staff Members of the Department

8. Dr. S. Vidya
Associate Professor

S. Vidya

9. Dr. K. Rosemary Euphrasia
Associate Professor

K. Rosemary Euphrasia
3/4/2023

10. Dr. A. Vimala
Associate Professor

A. Vimala
3.4.2023

11. Dr. P. Meenakshi Sundari
Assistant Professor

P. Meenakshi Sundari

12. Dr. S. Arulothi
Assistant Professor

Absent

13. Dr. T. Vasantha
Assistant Professor

T. Vasantha 3/4/2023

14 Ms. C. Swetha
Assistant Professor.

C. July

AGENDA

1. Presentation of the action taken report of the previous BOS.
2. To pass the UoI framework as suggested by TANSCHG
3. To pass the detailed syllabus for all the courses offered by the dept. in I + II semesters.
4. To pass the changes in the syllabus of the courses offered in IV, V and VI semesters.
5. To pass the syllabus of the Value added online course "Latest Computing Technologies".
6. To pass the syllabus for the Computer Application courses offered by the Dept. of Sociology with Computer Applications.

1. Action Taken Report on previous BOS

Suggestion	Action Taken
* To organise more sessions with Alumni to keep the students aware of the current trends in the industry.	3 sessions were organised with Alumni and students interacted with them.
* To create awareness about the work from home opportunities.	An interactive guest lecture was organised to create awareness about work from home opportunities.

2. The framework for UG as suggested by TANSCHC fitting in all the papers for all the 6 semesters was created and passed in the board.

The following are the core courses offered.

SEMESTER	COURSE TITLE
<u>I</u>	1. Python Programming
	2. LAB I - Python Programming
<u>II</u>	3. Data Structures & Algorithms
	4. LAB II - Data Structures using C
<u>III</u>	5. Relational Database System Concepts
	6. LAB III - RDBMS
<u>IV</u>	7. Industry Module - Programming in JAVA
	8. LAB IV - Programming in JAVA
<u>V</u>	9. J2EE Programming
	10. Operating System Concepts
	11. LAB V - J2EE Programming
	12. Project I
<u>VI</u>	13. PHP Programming
	14. Project II
	15. LAB VI - PHP Programming

Need for introduction - All the papers offered under core courses are mandatory courses for every student learning Computer Science at the UG level.

The following are the general and discipline specific elective courses offered during all 6 semesters.

Generic - G1 Discipline specific - DS

Generic/ DS - SEM	Course Title
G-I	1. Programming in C
G-I	2. Web Development
G-II	3. Computer System Architecture
G-II	4. Object Oriented Programming in C++
G-III	5. Programming in JAVA
G-III	6. Client side programming using JAVA Script.
G-IV	7. Python Programming
G-IV	8. RDBMS
DS-V	9. Software Engineering
DS-V	10. Cloud Computing
DS-V	11. Computer Graphics
DS-V	12. Data Mining and Warehousing
DS-VI	13. Data Communications and Networking
DS-VI	14. Software Testing
DS-VI	15. Introduction to Artificial Intelligence
DS-VI	16. Big Data Analytics

Need for introduction - The preliminary courses of Computer Science are offered as Generic Electives.

Courses offered as DS are courses which will provide completeness to the Computer Science Programme at the UG level.

The following are the various Skill Enhancement Courses (SEC), Foundation, Internship and Professional Competency

Courses Offered under Part IV

Type & SEM	Course Title
SEC - I	1. Still Graphics using CORELDRAW (Non Major Elective)
FC - I	2. Desktop Applications
SEC - II	3. Still Graphics using Photoshop
SEC - II	4. Web designing using HTML & CSS
SEC - III	5. DTP - CORELDRAW
SEC - III	6. Client side programming using JAVA Script
SEC - IV	7. Server side programming using ASP.NET
SEC - IV	8. Web services Development using XML
Internship - V	9. Internship (II year summer vacation)
SEC - VI	10. Advanced Excel

All the courses offered under core, elective and Part IV have Global relevance and have scope for employability Entrepreneurship and skill development.

3. The detailed syllabus for all the papers offered in the I and II semesters were framed and passed in the Board.

4. Reversion of Courses

All the 3 courses mentioned below have Global relevance and have scope for employability, entrepreneurship and

Skill development.

S.No	Course Code	Course Title	No. of UNITS and the title revised and need for revision	% revised
1.	22B4CC8	LAB IV - RDBMS and Data Analytics using spreadsheets to LAB IV - RDBMS	Spreadsheets removed and focus only on SQL	20
2.	19B5CC9	Programming in JAVA	UNIT III & V - few concepts removed. To facilitate detailed study some advanced topics are removed	20
3.	19B6CC12	J2EE Programming	UNIT I & III modified Advanced topics dealt in Pg are removed	15

5. Introduction of online Value added certificate course on "Latest Computing Technologies" meant for advanced learners.

Course Title	Mod with industry	Skills Sharpened
Latest Computing Technologies	—	Acquire knowledge of latest technologies like mobile computing & cloud computing

6. The syllabus for the Computer Application courses offered by the Dept. of Sociology and Social work was passed in the board.

SUGGESTIONS & RECOMMENDATIONS: The TANSCHG framework & the syllabus for I year was reviewed and passed.

[Signature]
3/4/23

P. Moenakshi
3/4

T. Vasanthan
3/4/2023

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3/4/2023

K. Princy
3/4/2023

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C. Jay
3/4/2023

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Shimala
3.4.2023

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03/04/2023

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Dept. of Computer Science
MK University College University Nominee
P. Kabilan
3/4/23

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Associate Professor
Dept. of Computer Science
MTWU, Kodaikanal Subject Expert

Absent

4. Dr. Sr. Shanltha Mary Joshita
Associate Prof. & Head
Dept. of Computer Science
JA College
Periyakulam Subject Expert
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Assistant Prof. in Chemistry
Dean of Academic
Affairs (Science)
A. Rajeswari 3/4/2023
- Staff members of the Department
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K. Rosemary Euphrasia 3/4/2023
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Absent
13. Dr. T. Vasantha
Assistant Prof.
T. Vasantha
3.4.2023

14. Ms. C. Swetha
Assistant Prof.

C. Swetha

AGENDA

1. To pass the PG framework as suggested by TANSCH
2. To pass the detailed syllabus for all the courses offered by dept for M.Sc Computer Science in I and II semesters
3. To pass the changes made in 19PG3B13 course of the III semester

1. The framework for PG as suggested by TANSCH fitting in all the courses for all the 4 semesters were created and passed in the board.

The following are the core courses offered.

SEMESTER	COURSE TITLE
I	1. Advanced programming in JAVA 2. Theory of Computation 3. Practical I - Advanced Programming in JAVA
II	4. Design and Analysis of Algorithm 5. Object oriented Software Engineering 6. LAB-II - Extreme Programming - ASP.NET
III	7. Digital Image Processing 8. Data mining and Data Warehousing 9. LAB-III - Digital Image Processing
IV	10. Software Testing - Industry 11. Machine Learning

12. Network Security & Cryptography
13. Lab IV - Machine Learning
14. Project

Need for introduction - All the papers offered under core courses will facilitate students to have indepth knowledge while learning at the PG level.

The following are the generic and discipline specific elective courses offered during all IV semesters.

G/DS & SEM	Course Title
DS - I	1. Advanced ^{Computer} Graphics
DS - I	2. Advanced Database System Concepts
DS - I	3. Distributed operating system
DS - I	4. LAB - Computer Graphics
DS - I	5. LAB - Advanced RDBMS
DS - I	6. LAB - LINUX for networking
G - II	7. Web Development & Advanced
DS - II	8. Multimedia Technologies ^{Excel}
DS - II	9. Computational Data Processing using Python
DS - II	10. Advanced Communication Networks
DS - III	11. Neural networks in Image Processing
DS - III	12. Big Data Analytics
DS - III	13. Security in Computing
DS - IV	14. Introduction to Video processing

DS- <u>IV</u>	15. Web Database and Information System
DS- <u>IV</u>	16. Principles of IoT

Need for introduction - The preliminary course of Computer Science are offered as Generic elective.

Courses offered as DS are courses which will facilitate specialization at the PG level.

The following are the Skill Enhancement Courses offered.

SEM	Course Title
<u>I</u>	Lab - Python Programming
<u>II</u>	Lab - Mobile Application Development Using Android Studio
<u>III</u>	UGC-NET Syllabus - Part-I
<u>IV</u>	UGC-NET Syllabus - Part-II

All the courses offered under Core, Generic / DS elective and skill enhancement have Global relevance and have scope for employability, Entrepreneurship and skill development.

- The detailed syllabus for the courses offered in the I and II semesters were framed and passed in the board.

3. Revision of Courses

The course mentioned below has global relevance and scope for employability, entrepreneurship and skill development.

Course code	Course Title	No. of units revised and need for revision	% revised
19PG3B13	Data Mining and Data Warehousing	UNIT II, III & IV modified. To facilitate in-depth study of the topics, some topics were removed.	10

SUGGESTIONS & RECOMMENDATIONS -

- * Libraries and frameworks to be introduced
- * Industry module to be replaced with cloud computing trends.
- * Knowledge of Devops to be imparted.

on 3/4/23

P. Menon

3/4/23

C. S.

3/4/2023

3/4/23

K. Praveen

3/4/23

T. Vasanth

3/4/2023

3/4/23

3/4/23

3/4/23

3.4.2023

03/04/2023

3/4/2023
C. N. Ramesh