

Board of Studies Meeting

Dept of Computer Science
St. Xavier's College, Palayamkottai
9th February 2019.

Agenda :

1. Minutes of the Previous BOS meeting
2. Evaluation of current UG/PG/MPhil syllabi
3. Project work / Internship training Program
4. NME/SDE/EVS courses
5. Certificate/Diploma/ Extra credit course for UG/PG
6. Any other matter.

The following members were present for the Board of Studies meeting of Computer Science dept held on 9.2.19 at 10.00 AM.

1. Dr. S. John Peter S. John
2. Dr. V. Dalamungan JLP
3. Dr. P. Anokha Jani Rani JLP
4. Dr. D.S. Mahendran D.S.
5. Dr. M. Germanus Alex JLP
6. Dr. J.L. Walter Jayakumar JLP
7. Dr. S.P. Victor JLP
8. Dr. T.C. Rajakumar JLP
9. Dr. M. Safish Mary JLP
10. Mrs A. Dhana Praveena Absent
11. Mr. A. Jothikumar
12. Mrs. J. Rexy JLP
13. Ms J. Patricia Annia Jebamalar JLP
14. Ms J. Margaret SAngeetha J. Myt 8th
15. Mrs M. Jenila Vincent JLP
16. Dr. V. Narayani V. Narayani
17. Mr. I. Anokha Antony Sunny JLP

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18. Roshia Subashree . R P. Subashree
19. Maliek M.S. Maliek M.S.

Department of Computer Science
St.Xavier's College (Autonomous)
Palayamkottai-627002

Board of Studies Meeting
9th February 2019

MINUTES OF BOARD OF STUDIES MEETING HELD ON 09-02-2019

B.Sc Computer Science :

The following suggestions were given by board members to be considered during the next revision of B.Sc. Computer Science syllabus:

1. All the 4 elective papers in a semester must have separate code instead of the code 18UCSE41 which should be changed.
2. It was suggested to change the title "Operating system and Unix" (18UCS52) paper as Operating system and concepts.
3. It was suggested Arduino MPU can be included in Microprocessor and Assembly Language(18UCS52) paper
4. It was suggested to shift Operating System and Unix (18UCS52) paper to earlier semester as it will be a base for studying Programming in Android (18UCS53) paper in fifth semester.
5. It was suggested to elaborate the database connectivity concepts in PHP and MySQL (18UCS54) paper.
6. It was suggested to add introduction about multimedia and multimedia tools in Computer Graphics and Multimedia(18UCS62) paper
7. It was suggested that Natural Language Processing paper can be added as one of the Elective paper.
8. Suggested to ask students to take MOOC and NPTEL courses under extra credits.

M.Sc Computer Science & M.Sc Information Technology :

The following suggestions were given by the board members to be considered during the next revision of M.Sc Computer Science and MSc (IT):

1. It was suggested to increase the number of credits for Project work.
2. It was suggested to change the title "Data mining and MatLab" as "Weka and MatLab"

3. It was suggested to introduce Distributed computing, Parallel computing and Wireless Sensor papers.
4. It was suggested to encourage the students to complete at least one MOOC course.

SBE AND NME COURSES:

The following suggestion was given by the board to be considered during next revision of SBE and NME courses:

1. The scheme of evaluation of the papers should be mentioned clearly. For Example PageMaker has both theory and practical. The split up for both internal and external should be mentioned clearly.
2. It was suggested to update the Text book of Pagemaker (18UNM11) with latest year of publication.
3. It was suggested to elaborate the syllabus of Internet Concepts and Web Design (18USB41) and to update the text book with latest year of publication.

FINAL YEAR UG , PG AND M.Phil STUDENTS FEEDBACK ON CURRICULAR ASPECTS:

The following suggestions were given regarding students feedback on curricular aspects:

1. It was suggested to add some department specific questions to evaluate the curricular aspects.
2. It was also suggested to compare the curricular aspects with equivalent degrees and other colleges or universities.
3. Compare B.E syllabus with B.Sc/M.Sc syllabus and bridge the gap. Government considers B.E syllabus as same as that of both B.Sc and M.Sc.

INTERNSHIP

1. Internship should be of 2 weeks to 3 months.
2. It should be in holidays or in summer vacation.
3. The daily report should be recorded in a diary in the company.
4. Students should come and present their work in the department.
5. Extra credits can be given for internship.

MINUTES OF BOARD OF STUDIES MEETING HELD ON 08-02-2020

B.Sc Computer Science :

The following suggestions were given by the Board members regarding B.Sc. Computer Science:

1. The board suggested to rearrange the contents of Unit V of the subject titled "Discrete Mathematics (18UCSA21)". The syllabus of this subject has to be changed according to the latest edition of the text book.
2. The edition of the text book has to be changed as eight instead of five for the "Java Programming (18UCS31)".
3. The entire syllabus of "Programming in Python (18UCSA31)" has to be rearranged according to the text book. Also, the board suggested changing the text book.
4. The syllabus of "Artificial Intelligence and Machine Learning (18UCS41)" has been changed. Unit V is dropped and new content is added.
5. In "RDBMS Concepts and Oracle (18UCS42)", more content may be included in Unit I and II.
6. The contents of the syllabus have to be elaborated for all units of the subject "Internet Concepts and Web Design (18UCSB41)".
7. UG Lab facilities have to be improved for the subject "Programming in Android (18UCS53)".
8. The syllabus of the subject "Cloud Computing (18UCS63)" needs modification to simplify the contents of Unit II and V.
9. Net connectivity is needed in UG Lab for "Practical – Cloud Computing (18UCS65)".

M.Sc Computer Science & M.Sc Information Technology :

The following suggestions were given by the Board members regarding M.Sc. Computer Science and M.Sc Information Technology:

1. In the subject "Internet Technologies (18PCS22)", Unit I may be dropped and Unit III may be elaborated with more PHP concepts.
2. Net connectivity is needed in PG Lab for "Lab 3: Machine Learning with Python (18PCS25)".
3. PHP programs may be included in the practical of "Lab 4: Internet Technologies (18PCS26)".

Board of Studies meeting

Dept of Computer Science

St. Xavier's College Palayamkottai
8th February 2020.

Agenda:

1. Minutes of Previous Board meeting
2. Evaluation of current UG/PG/MPhil syllabus
3. Add-on-courses (certificate/diploma) for UG/PG
4. Members for next Board of Studies (June 2020 - May 2023)

- * Two Subject experts (External)
- * One Alumnus
- * One Representative from Industry
- * One UG and PG student.

5. Any other matter.

The following members were present for the Board of studies meeting of Computer Science department held on 8-02-2020 at 10.00 AM.

1. Dr. S. John Peter S. Jn
2. Dr. V. Nalamungan
3. Dr. P. Arukia Jansi Rani
4. Dr. D. S. Mahendran
5. Dr. M. Gennans Alex
6. Dr. J. L. Walter Jayakumar *flatter*
7. Dr. S. P. Victor
8. Dr. T. C. Rajakumar
9. Dr. M. Sathish Mary

10. Mrs A. Dhana Praveena *gpl*
11. Mr. A. Jothikumar *gpl*
12. Mrs J. Reay
12. Mrs J. Partha Annie Jebamalar *gpl*
14. Mrs J. Margaret Sangeetha *gpl*
15. Dr. V. Narayani *V. Narayani*
16. Dr. M. Venkatesh *gpl*
17. Mr B. Veniston *gpl*

4. The syllabus of the subject "Mobile Communication (18PCSE24)" has to be revised according to the text book.

5. In the subject "Java Programming (18PIT21)", include subdivisions for String Handling.

6. The syllabus of the subject "Mobile Communication (18PITE24)" has to be revised according to the text book.

M. Phil Computer Science

1. Supervisor for M.Phil. scholars may be allotted in the first semester itself.
2. It is mandatory to publish two research papers before submission of dissertation (one in conference and another in journal).

Add-on Courses

The following add-on courses are suggested for UG:

1. Robotics
2. PC Assembly and Trouble Shooting

The following add-on courses are suggested for PG:

1. Internet of Things
2. Research Tools
3. Data Science

Members for next Board of Studies

Subject Experts:

1. Dr. Gangatharan, Associate Professor, Dept. of Computer Applications, NIT, Trichy. *ganga@nitt.edu / geeyaar@gmail.com*
2. Dr. Peter Augustine, Associate Professor, Christ University, Bengaluru. *9448009529 peter.augustine@christuniversity.in*

Alumnus

1. Mr. Siva Rama Gandhi, Assistant Professor, KR College, Kovilpatti.

Industry

1. Mr. Tony Walter, Zoifintech, Mumbai.

Board of Studies Meeting

Dept. of Computer Science












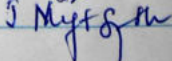
St. Xavier's College, Palayamkottai.

6th february, 2021.

Agenda

1. Minutes of previous Board Meeting
2. Syllabus Revision of VC/P4/M-Phil
3. SBE / NME Courses
4. Certificate / Diploma / Add on courses & Extra Credit courses for UG & PG
5. Project work / Internship training programme
6. Any other matter.

The following members were present for the Board of Studies meeting of Computer Science Department held on 6-02-2021 at 10 am

1. DR. T. C. Raja kumar 
2. DR. G. R. Ganagharan
3. _____ (University Nominee)
4. DR. D. Peter Augustine
5. Mr. Siva Rama Grandhik 
6. Mr. Tony Walter 
7. DR. J. L. Walter Jayakumar 
8. DR. S. P. Victor 
9. DR. S. John Peter 
10. PR. N. Satish Mary 
11. Mr. A. Jothi Kumar 
12. Mrs. J. Rexy 
13. Mrs. A. Dhana Praveena 
14. DR. J. Patricia Annie Jebamadar 
15. Mrs. J. Margaret Sangeetha 

16. Dr. V. Narayani

V. Narayani
6/2/21

17. Dr. M. Venkatesh

Jeeva 06.02.2021

18. Dr. A. Jasmine Xavier

19. Mr. P. Srinivasa Moorthy

20. Miss. G. Sathya priya

P. Srinivasa Moorthy
G. Sathya priyaMinutes of Computer Science Department (06-02-2021)

Based on the suggestions given by the Board, the following decisions were made for B.Sc Computer Science:

- 1) Software Engineering (21UCSE51) is exchanged with Artificial Intelligence & Machine Learning (21UCS41).
- 2) In the place of SBE3 R Programming (18USB22) Professional English paper will be introduced.
- 3) To replace SBE 5 Visual Basic (21USB32) with R Programming.
- 4) Introduce Internet of Things, Big Data Analytics, Deep Learning and Artificial Intelligence and Machine Learning as Elective 2 papers.
- 5) The contents of Dot NET paper will be modified to include the emerging Dot NET Core technology.
- 6) React Native framework will be introduced for Programming in Android (21PCS35) and the paper will be renamed as Mobile Application Development.
- 7) All the first year students must complete English Typewriting lower exam and submit the certificate at the beginning of the third semester. It was also suggested that the students must be insisted to complete the course in Vincent De Paul Type Writing Institute of our College.
- 8) The second UG students must be asked to complete Summer Internship training for a minimum of ten days and produce the Certificate before entering the fifth Semester.

Based on the suggestions given by the Board, the following decisions were made for M.Sc Computer Science :

- 1) Theory of Computation (21PCSE14) entire Syllabus must be updated.
- 2) PHP in the first semester can be combined with Web Application Development(21PCS22) and in its place Advanced RDBMS Paper will be introduced.
- 3) Distributed systems and Web Services Concept will be included in J2EE (21PCS12) and J2EE Theory and Practical paper will be shifted to fourth Semester.
- 4) Elective 2 Mobile Communication (21PCSE24) entire Syllabus must be modified.
- 5) Wireless Technology, Network Security and Cryptography will be added as Elective 2(21PCSE24) Papers.
- 6) Data Mining(21PCS32) paper title will be renamed as Data Mining and Data Warehousing, a unit based on Data Warehousing will be included.
- 7) Grid computing paper will be added instead of Virtual Reality in Elective 3(21PCSE34)
- 8) Cloud Computing will be added as Elective 3 paper instead of Pervasive Computing.
- 9) React Native framework will be introduced for Programming in Android (21PCS35) and the paper will be renamed as Mobile Application Development.
- 10) The Mini Project (21PCS37) will be renamed as Mini Project –Summer Internship (21PCS37) and will be considered as Summer Internship training and the students must submit the Internship Certificate at the beginning of the third Semester.

- 11) Web Designing with Bootstrap & JQuery (21PCSEC11), Internet of Things (21PCSEC21), Big Data Analytics (21PCSEC31) and Artificial Intelligence & Machine Learning (21PCSEC41) will be introduced as Extra Credit Courses.
- 12) Soft Computing paper should be replaced with Data Science Techniques (21PCS41)

Based on the suggestions given by the Board, the following decisions were made for M.Sc (IT)

- 1) The current Elective 1 papers should be replaced with M-Commerce, Management Information System, Decision Support System and Business Analytics (21PITE14).
- 2) ASP.NET micro services will be included as one unit in DotNet Programming (21PIT22)
- 3) Wireless Technology, Network Security and Cryptography will be added as Elective 2 Papers (21PITE24).
- 4) NoSQL concept will be included in one of the units in RDBMS and Oracle (21PIT31).
- 5) The following papers should be given as Elective 3 papers: Soft Computing, Cloud Computing, Green Computing and Grid Computing (21PITE34)
- 6) The Mini Project (21PIT37) will be renamed as Mini Project –Summer Internship (21PCS37) and will be considered as Summer Internship training and the students will be insisted to produce Internship Certificate in the first month of third Semester.
- 7) Instead of Operating System, Internet of Things (21PIT41) will be introduced in the Fourth Semester.
- 8) Data Mining (21PITEC11), Big Data Analytics (21PITEC21), Enterprise Resource Planning (21PITEC31) and Computer Networks (21PITEC41) will be included as Extra Credit Papers.

Based on the suggestions given by the Board, the following decisions were made for M.Phil Computer Science:

- 1) A unit on Intellectual Property Rights will be added as fifth unit and unit III and unit IV into a single unit in Research Methodology (21MCS01)
- 2) Fourth Unit, Mobile Communication will be replaced with Block Chain Technology in Advanced Computing Technology (21MCS02)

Board of Studies Meeting


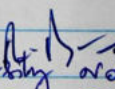
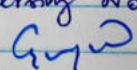
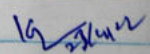


Dept. of Computer Science

St. Xavier's College, Palayamkottai
(Autonomous)23rd April, 2022

Agenda:


1. Minutes of the previous BOS meeting
2. Discussion on the VU/PC syllabi
3. Common evaluation pattern for SBE-3. professional English course
4. Scheme of valuation for the practical examination based on the recommendation of Awards committee
5. Internship Training programme for all Departments: No. of days, possible months
6. MOU and Collaborative activities Under MOU
7. Any other matter.

The following members were present for the BOS meeting of Computer Science Department held on 23/04/2022 at 10 AM.

1. Dr. T.C. Raja Kumar 
2. Dr. R. Balasubramanian (University nominee)  23/4/2022
3. Dr. G.R. Ganapatharan (Expert) 
4. Dr. D. Peter Augustin (Expert)
5. Mr. Siva Rama Gandhi (Alumnus) 
6. Mr. Tony Waller (Industry) 
7. Dr. J.H. Waller Jayakumar
8. Dr. S.P. Victor 

9. Dr. S. John peler
10. Dr. M. Satish Mary
11. Mrs. A. Driyani
12. Mr. A. Jothi Kumar
13. Mrs. J. Rexy
14. Mrs. A. Dhana pravee
15. Dr. J. Patricia
16. Mrs. J. Margaret Sa
17. Dr. V. Narayani
18. Dr. M. Venkatesh
19. Dr. A. Jasmine Xavie

S. J. W.

A.  25/4/22

11/11/11

na Ahmed
23/4/22

V. Narayani 23/4/22

Geni 23.4.2022

MINUTES OF THE BOARD OF STUDIES MEETING HELD ON 23-04-2022

B.Sc Computer Science:

The following suggestions were given by the Board members regarding B.Sc Computer Science to be ratified in the current Syllabus (w.e.f. June 2021)

- 1) The board suggested that a unit under the title Python for Data Science can be added and topics such as packages, numpy, libraries and analysis based concepts can be included as one of the unit in **Programming in Python (21UCSA31)** paper.
- 2) The board suggested to update the **Software Engineering(21UCS41)** paper with concepts such as Object Oriented, Scrum and Extreme Programming.
- 3) The board suggested to include Normal forms in Unit II of RDBMS Concepts and Oracle (21UCS42).
- 4) The board suggested to use, Stuart Russell, Peter Norvig, "Artificial Intelligence: A Modern Approach", 3rd Edition, Prentice Hall, 2010 **book as Text Book** and Vinod Chandra S.S. and Anand Hareendran S., "Artificial Intelligence and Machine Learning", PHI Learning Private Limited, 2014. **book as reference book** and to update the syllabus according to the Text book in **Artificial Intelligence and Machine Learning(21UCSE51)** paper.

The following suggestions were given by the Board members regarding B.Sc Computer Science to be to be incorporated in the next revision (w.e.f. June 2024);

- 1) The board suggested that, **RDBMS Concepts and Oracle** (21UCS42) can be shifted to Third Semester and **Programming in Python** (21UCSA31) to fourth semester as both Object Oriented Programming Languages, **Programming in Java** and **Programming in Python** are in same semester.
- 2) The board suggested that Linux can be introduced instead of Unix in **Operating System and Unix** paper(21UCS52).
- 3) The board suggested to add Network Security / Cloud Security paper as one of the Elective paper or Allied Paper.
- 4) The board suggested to add Software Project Management or Software Testing paper as one of the Elective or Allied Papers.
- 5) The board suggested to replace VB.NET with C# in **Programming in Dot Net**(21UCS51) paper.

M.Sc Computer Science:

The following suggestion was given by the Board members regarding M.Sc Computer Science to be ratified in the current Syllabus (w.e.f. June 2021)

- 1) The board suggested to avoid few sub topics in Unit IV in **Data Science Techniques (21PCS41)** paper, as it is difficult compared to other units.

The following suggestions were given by the Board members regarding **M.Sc Computer Science** to be incorporated in the next revision (w.e.f. June 2024):

- 1) The board suggested that web references can be added for all papers.
- 2) The board suggested to add Blockchain Technology paper.
- 3) The board suggested to rename **Machine Learning with Python(21PCS21)** as Deep Learning with Python and add two units of Machine Learning and three units based on Deep Learning.

The board suggested the following points for the academic welfare of the students:

- 1) The board suggested that the second UG students must be insisted to complete Summer Internship training for minimum ten days and produce the Certificate before entering fifth Semester or they must complete a technical computer based Program (which is not included in syllabus) through Online NPTEL/MOOC/SWAYM course as an alternative to the Internship.
- 2) The board suggested the following evaluation pattern for SBE-3 Professional English Course.
Group Discussion and Speaking = 50 Marks, Theory = 50 Marks.
- 3) The board suggested that the scheme for Evaluating the Practical Examination can be based on the following
Program Writing= 30 Marks, Program Logic = 20 Marks, Program Entry = 20 Marks, Debugging = 10 Marks, Output = 10 Marks and Record work = 10 Marks.
- 4) The board suggested to implement Learning Outcome based Curriculum Framework (LOCF) mapping which will serve as a tool to pre-determine what outcomes need to be achieved by planning, mapping & measuring the student outcomes.
- 5) It is suggested to sign a MoU with Software Company for arranging seminar and Project Training.

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Board of Studies Meeting
Dept. of Computer Science





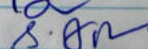
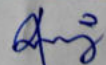
St. Xavier's College (Autonomous)
on

13-10-2022

Agenda:

1. Minutes of the previous BOS Meeting
2. Introducing Tamil and English in Sem. III & IV from this Academic year.
3. Identifying courses to be merged / removed in order to introduce Tamil and English in Semester III and IV and making them compulsory FCC.
4. Syllabus for the proposed M.Sc Data Science programme to be started from the Academic year 2023-24.
5. ~~Any~~ other matters

The following members were present for the BOS meeting of Computer Science Department held on 13-10-2022 at 11:30 AM.

1. Dr. T.C. Rajakumar (HOD) 
2. Dr. R. Balasubramanian (University Nominee) 
3. Dr. G.R. Gangatharan (Expert)
4. Dr. D. pelios Augustin (Expert)
5. Mr. K. Siva Ramakrishnan (Alumnus) 
6. Mr. S. Tony Walter (Industry)
7. Dr. J.L. Walter Teepkumar
8. Dr. S. P. Victor 
9. Dr. S. John peter 
10. Dr. M. Sathish Mary
11. Fr. A. heolin Anuckiadaks 

11. Mrs. M. Gayathri
12. Mr. A. Jothi Kumar
13. Mrs. J. Raxy
14. Mrs. A. Dhana Praveena
15. Dr. J. Patricia
16. Mrs. J. Margeret Sangeetha
17. Dr. V. Narayani
18. Dr. M. Venkatesh
19. Dr. A. Jasmine Xavier

Department of Computer Science

St. Xavier's College (Autonomous)

Palayamkottai.

Date: 13-10-2022

Venue : Department

Time: 11.30 am.

The Board of Study Meeting was held on 13-10-2022 at 11.30am. in the Department. The meeting was started with silent prayer. Dr. T.C.Rajakumar Head of the department welcomes the board members. Mrs. M. Gayathri read the previous board of study minutes and it was approved by the board members. The following members were present in the meeting.

1. Dr.T.C.Rajakumar – Head of the Department
2. Dr.R.Balasubraminan – University Nominee
3. Mr. K.Sivarama Gandhi – Alumnus
4. Dr.S.P.Victor
5. Dr.S.John Peter
6. Rev.Fr.Leolin Arockiadass
7. Mrs. M.Gayathri
8. Mr.A.Jothi Kumar
9. Mrs.J.Raxy
10. Mrs.A.Dhana Praveena
11. Dr.J.Patricia
12. Mrs.J.Margeret Sangeetha
13. Dr.V.Narayani
14. Dr.M.Venkatesh
15. Dr.A.Jasmine Xavier

The following members were absent due to various reasons.

1. Dr.G.R.Gangatharan
2. Dr.D.Peter Autustin
3. Dr.M.Safish Mary

Agenda

1. Minutes of the previous BoS meeting
2. Introducing Tamil and English in Semester III and IV from this Academic year
3. Identifying courses to be merged / removed in order to introduce Tamil and English
4. Syllabus for the proposed M.Sc Data Science programme to be started from the Academic year 2023-24.
5. Any other matter regarding academic.

MINUTES OF BOARD OF STUDIES MEETING

B.Sc. Computer Science

The following recommendations were given by the Board members regarding B.Sc. Computer Science:

- 1) The board resolved to follow the other science discipline and include the part I (Tamil/Hindi/French) and Part II (English) papers in semesters III and IV.
- 2) The board recommended converting four hours theory course on Programming in Java (21UCS31) into three hours with 3 Credits and adjusting the syllabus accordingly. [Core T3]
- 3) The board recommended to convert four hours theory course on Data Structures and Algorithms(21UCS32) into three hours with 3 Credits and modify the syllabus accordingly. [Core T4]
- 4) The board recommended to merge Practical – Programming in Java (21UCS33) and Practical - Data Structures and Algorithms(21UCS34) into single practical paper and name the Paper Title as Practical-Programming in Java and Data Structures and allot four hours with 2 credits. [Core P3]
- 5) The board suggested to have Programming in Python (21UCA31) as Allied Paper and allot 2 hours with two credits. [Allied-T3]
- 6) The board recommended to move the removed Practical-Programming in Python(21UCA32) as compulsory Extra Credit Course Paper for 21UCS Batch Students.
- 7) The board recommended to convert four hours theory course on Software Engineering (21UCS41) into three hours with 3 Credits and modify the syllabus accordingly [Core T5]
- 8) The board recommended to convert four hours theory course on RDBMS Concepts and Oracle(21UCS42) into three hours with 3 Credits. [Core T6]
- 9) The board recommended to convert four hours Practical –Oracle(21UCS43) into three hours and allot two Credits.[Core P4]
- 10) The board recommended to reduce four hours elective theory course on Operation Research/Graph Theory/Theory of Computations/Numerical and Statistical Methods into three hours and allot three credits and modify the syllabus accordingly. [Elective 1]
- 11) The board recommended to exchange Web Technology(21UCSA41) in Fourth Semester with Cloud computing(21UCS63) in Sixth Semester as Allied Theory Paper and allot two hours with two Credits[Allied-T4] and modify the syllabus accordingly.
- 12) The board recommended to exchange Practical - Web Technology(21UCSA42) in Fourth Semester with Practical – Cloud Computing(21UCS65) in Sixth Semester as Allied Practical Paper and allot two hours with one Credit.
- 13) The board recommended to move the removed paper Microprocessor and Assembly Language Programming as Extra Credit Course.

UPDATED COURSE PATTERN AFTER ADDING GENERAL TAMIL AND ENGLISH PAPERS [SEMESTER III]

Sem	Part	Status	Sub Code	Subject	Hrs	Credits
III	I	Core-T3	21UCS31	General Tamil - III	6	3
	II			General English	6	3
	III			Programming in Java	3	3
	III	Core-T4	21UCS32	Data Structures and Algorithms	3	3
	III	Core-P3	21UCS33	Practical – Programming in Java& Data Structure	4	2
	IV	Allied-T3	21UCSA31	Programming in Python	2	2
		SBE4	21USB31	Human Rights and Social Analysis	2	2
	IV	SBE5	21USB32	R Programming	2	2
	IV	EVS	21UES31	Environmental Studies	2	2
					30	22

Paper added in ECC

PAPER TITLE WITH SUB CODE

Practical - Programming in Python (21UCSA32)

**UPDATED COURSE PATTERN AFTER ADDING GENERAL TAMIL AND ENGLISH PAPERS
[SEMESTER IV]**

Sem	Part	Status	Sub Code	Subject	Hrs	Credits
IV	I			General Tamil - IV	6	3
	II			General English	6	3
	III	Core-T5	21UCS41	Software Engineering	3	3
	III	Core-T6	21UCS42	RDBMS Concepts and Oracle	3	3
	III	Core-P4	21UCS43	Practical – Oracle	3	2
	III	Elective1	21UCSE41	Operation Research/Graph Theory/ Theory of Computations/ Numerical and Statistical Methods	3	3
	IV	Allied-T4	21UCSA41	Cloud Computing	2	2
		Allied-P1	21UCSA42	Practical – Cloud Computing	2	1
		SBE6	21USB41	Internet Concepts and Web Design	2	2
					30	22

Papers added in ECC

PAPER TITLE WITH SUB CODE

Microprocessor and Assembly Language Programming

Practical- Assembly Language Programming

M.Sc Data Science : The new Proposed Programme.

Since the Information Technology Industries currently focuses on Data Science, the board recommends to start the new PG Programme on Data Science from the Academic year 2023-24. The Board discussed the various courses that are to be included in the programme and formulate the course pattern. The meeting came to an end with vote of thanks by Mrs.J.Rexy at 1.30pm

Computer Science Dept.
Board of Studies
minutes note

III Note

Board of Studies Meeting Dept. of Computer Science on

23/02/2024

St. Xavier's College (Autonomous), Palayamkottai

Agenda:

1. Minutes of the previous BOS meeting
2. Finalizing Detailed syllabus for VC & PG Programmes
3. Any other matter.

The following members were present for the BOS meeting of computer science.

1. Dr. T.C. Rajakumar (Chairman)
2. Dr. P. Arockia Janti Rani (University Representative)
3. Dr. J.R. Jaba (Subject expert)
4. Dr. H. Benjamin Fredric David (Subject expert)
5. Mr. S.U. Dhayal (Alumnus)
6. Mr. CMS. Kaiser (Industrialist)
7. Dr. S.P. Victor
8. Dr. S. John Peter
9. Dr. M. Satish Mani
10. Rev. Fr. A. heolin Arockiadass S.J.
11. Mrs. M. Kaliammal @ Jayathri
12. Mr. A. Jothi Kumar
13. Mrs. J. Rexy
14. Mrs. A. Dhana praveena
15. Dr. J. Patricia
16. Dr. J. Margaret Sanyal P. Nitya
17. Dr. V. Narayani
18. Dr. M. Venkatesh
19. Dr. S. Niranjana P. Rangan
- 20.

Department of Computer Science
St. Xavier's College (Autonomous), Palayamkottai.

Minutes of the Board of Studies

The Board of Studies Meeting of the Department of Computer Science was held on 23-02-2024 in the department at 10AM. The meeting started with a prayer followed by the welcome address of the Head of the Department.

Agenda of the Meeting

1. Minutes of the Previous Board of Studies meeting.
2. Finalizing detailed syllabus for UG/PG Programmes
3. Any other matter.

The following Members were Present:

1. Dr.T.C.Rajakumar (Chairman)
2. Dr.P.Arockia Jansi Rani (University Nominee)
3. Dr.J.R.Jeba
4. Mr. CMS. Kaiser
5. Dr.S.P.Victor
6. Dr.S.John Peter
7. Dr.M.Safish Mary
8. Rev.Fr.Leolin Arockiadass S.J
9. Mrs.M.Kaliammal @ Gayathri
10. Mr.A.Jothikumar
11. Mrs.J.Rexy
12. Mrs.A.Dhana Praveena
13. Dr.J.Patricia
14. Dr.J.Margaret Sangeetha
15. Dr.V.Narayani
16. Dr.M.Venkatesh
17. Dr.S.Niraja P Rayan
18. Mr.M.Muthukrishnan

The following members could not attend the meeting due to various reasons.

1. Dr. Benjamin Fredric David
2. Mr.S.U.Dhayal

Based on the discussions on the agenda the following suggestions were made by the board:

B.Sc Computer Science



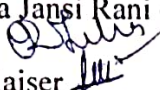


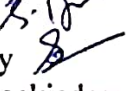





- 1) The board suggested to rename **Cloud Applications and Security Auditing (23UCSN31)** as **Cloud Applications and Security (23UCSN31)** and change the content of the Syllabus accordingly.
- 2) The board suggested to interchange the **Skill Enhancement Course Software Engineering (23UCSS42)** with the **Elective Course Introduction to Data Science (23UCSE41)** and change the content of the Syllabus based on the total number of hours.
- 3) The board suggested to add **MongoDB** concept in **RDBMS with PL/SQL(23UCSC41)** as fifth unit and update the Practical List with **MongoDB** concept in **Practical: RDBMS with PL/SQL (23UCSC42)**.
- 4) The board suggested to specify **Data Communication and Computer Network (23UCSC65)** as **Data Communications and Computer Network(23UCSC65)**.
- 5) The board suggested to use same Text Book for all units for the paper **Data Communications and Computer Network (23UCSC65)** paper.
- 6) The board suggested to rename **Internship(23UCSI51)** as **Summer Internship-Mini Project(23UCSI51)**.
- 7) The board suggested to upgrade **Dot Net Programming (23UCSC51)** with **Dot Net Core Programming (23UCSC51)** and change the content of the syllabus and Books according to the Syllabus framed and also to change the **Practical - Dot Net Programming (23UCSC53)** Syllabus based on the upgraded theory Syllabus.
- 8) The board suggested to interchange **Mobile Application Development (23UCSC61)** with **Python Programming (23UCSC52)** and vice-versa, **Practical-Mobile Application Development (23UCSC63)** with **Practical-Python Programming (23UCSC54)** and vice-versa. Hence the paper's subject code will change accordingly. **Mobile Application Development(23UCSC52)**, **Python Programming(23UCSC61)**, **Practical-Mobile Application Development (23UCSC54)** and **Practical-Python Programming(23UCSC63)**.

M.Sc. Computer Science :

The following suggestions were given by the Board members regarding M.Sc Computer Science:

- 1) The board suggested to replace Data Science and Analytics(23PCSC33) paper with Big Data Analytics.
- 2) The board suggested to interchange Digital Image Processing(23PCSC31) in III semester with Web Application Development (23PCSC41) in IV Semester and Digital Image Processing-Lab(23PCSC34) in III semester with Web Application Development-Lab (23PCSC42) in IV Semester. Hence the paper's subject code will change accordingly. Web Application Development (23PCSC31), Web Application Development-Lab (23PCSC34), Digital Image Processing(23PCSC41) and Digital Image Processing-Lab(23PCSC42). The Board also suggested to elaborate the fourth unit content in Digital Image Processing(23PCSC41).
- 3) The board suggested to change the content of V unit in Web Application Development (23PCSC31)
- 4) The board suggested to rename Digital Image Processing using MATLAB - Lab(23PCSC34) as Digital Image Processing-Lab(23PCSC42)
- 5) The board suggested to replace Deep Learning Paper instead of Mobile Computing (23PCSE31)
- 6) The board suggested to change the syllabus of Digital Forensics(23PCSVA1) according to the latest available Text Book.

Name and Signature of the Members

1. Dr.T.C.Rajakumar (Chairman) 
2. Dr.P.Arockia Jansi Rani (University Nominee) 
3. Dr.J.R.Jeba 
4. Mr. CMS. Kaiser 
5. Dr.S.P.Victor 
6. Dr.S.John Peter 
7. Dr.M.Safish Mary 
8. Rev.Fr.Leolin Arockiadass S.J 
9. Mrs.M.Kaliammal @ Gayathri 
10. Mr.A.Jothikumar 
11. Mrs.J.Rexy 

12. Mrs.A.Dhana Praveena
13. Dr.J.Patricia *Patricia*
14. Dr.J.Margaret Sangeetha *J. Margaret*
15. Dr.V.Narayani *V. Narayani*
16. Dr.M.Venkatesh
17. Dr.S.Niraja P Rayan *Niraja*
18. Mr.M.Muthukrishnan

DR. T.C. Sadasivam
DR. T.C. Sadasivam, M.Sc., M.Phil., Ph.D.
Associate Professor & Head,
St. Xavier's College (Autonomous),
Palayamkottai,
Tirunelveli - 627 002

Board of Studies Meeting

Dept of Computer Science on

01/02/2025 at 10 am

St. Xavier's College (Autonomous), Palayamkottai

Agenda

1. Minutes of the previous Board of Studies meeting
2. Finalizing detailed syllabus for UG & PG programmes
3. Introduction of Indian knowledge ^(system) (IKS)-S₁
4. 40% of the syllabus skill based
5. Inclusion of MOOC courses (For Add-on, Value Added, Extra Credit courses)
6. Any other matter

The following members were present for the BOS meeting of Computer Science

1. Dr. T.C. Raju Kumar (Chairman) ✓
2. Dr. P. Aruckia Jansi Rani (University Representative) ✓
3. Dr. J.R. Jeba (Subject expert-1) ✓
4. Dr. H. Benjamin Fredrick David (Subject expert-2) ✓
5. Mr. S.U. Dhayal (Alumnus)
6. Mr. CMS. Kaiser (Industrialist) ✓
7. Dr. S.P. Victor ✓
8. Dr. S. John Peter S.O ✓
9. Dr. M. Sathish Mary ✓
10. Rev. Fr. A. Leolin, Aruckiadas S.J., Annam ✓
11. Dr. J. Remy ✓
12. Dr. J. Margaret Sangeetha, J. Nylt ✓
13. Dr. V. Merayani V.Narayan ✓
14. Dr. J. Patoicia Annie Jebamalar ✓

15. Dr. S. Niranja P. Rayan *Dr. S. Niranja P. Rayan 1/2/25*
16. Dr. M. Preethi *Dr. M. Preethi 1/2/25*
17. Dr. V. Uma Devi *Dr. V. Uma Devi 1/2/25*
18. Dr. T. Idhaya *Dr. T. Idhaya 1/2/25*
19. Ms. C. Jesintha Jeyamoorthy (2. m. sc student) *C. Jesintha Jeyamoorthy*

Department of Computer Science
St. Xavier's College (Autonomous), Palayamkottai.

Minutes of the Board of Studies

The Board of Studies Meeting of the Department of Computer Science was held on 01-02-2025 in the department at 10AM. The meeting started with a prayer followed by the welcome address of the Head of the Department.

Agenda of the Meeting

1. Minutes of the Previous Board of Studies meeting.
2. Finalizing detailed syllabus for UG/PG Programmes
3. Introduction of Indian Knowledge System - 5%
4. 40% Percentage of the Syllabus Skill based.
5. Inclusion of MOOC Courses(For Add-on, Value Added and Extra Credit Courses)
6. Any other matter.

The following Members were Present:

1. Dr.T.C.Rajakumar (Chairman) *Dr. T.C. Rajakumar*
2. Dr.P.ArockiaJansi Rani (University Nominee)
3. Dr.J.R.Jeba
4. Dr. Benjamin Fredric David
5. Mr. CMS. Kaiser
6. Dr.S.P.Victor
7. Dr.S.John Peter *Dr. S. John Peter*
8. Dr.M.Safish Mary *Dr. M. Safish Mary*
9. Rev.Fr.LeolinArockiadass S.J *Rev. Fr. Leolin Arockiadass S.J*
10. Dr.J.Rexy *Dr. J. Rexy*
11. Dr.J.Patricia Annie Jebamalar *Dr. J. Patricia Annie Jebamalar*
12. Dr.J.Margaret Sangeetha *Dr. J. Margaret Sangeetha*
13. Dr.V.Narayani *Dr. V. Narayani*
14. Dr.S.Niranj P Rayan *Dr. S. Niranj P Rayan*
15. Dr.M.Preethi *Dr. M. Preethi*
16. Dr.V.Uma Devi *Dr. V. Uma Devi*
17. Dr.T.Idhaya
18. Ms.C.JesinthaJeyamoorthy

The following members could not attend the meeting due to various reasons.

1. Mr.S.U.Dhayal
2. Ms. A. AntoThangaRabina

Based on the discussions on the agenda the following suggestions were made by the board:

B.Sc. Computer Science:

- 1) The board suggested that Number System(Unit I) in Digital Logic Fundamentals (23UCSE11), Algebra and Set Theory(Unit I) in Discrete Mathematics (23UCSE21), Algorithms origin and Logic(Unit I) in Data Structure and Algorithms (23UCSC21) and Encryption Techniques(Unit V) in Data Communications and Computer Network (23UCSC65) can be represented as IKS.
- 2) In addition to the eight Skill Enhancement courses(SEC), Internship and Project are also added as Skill Enhancement courses. Furthermore, it was decided to enrich the following theory papers with a maximum of three skill activities in order to solve Real time problems.
 - Programming in C(23UCSC11)
 - Digital Logic Fundamentals(23UCSE11)
 - Data Structure and Algorithms(23UCSC21)
 - Java Programming(23UCSC31)
 - Dot Net Core Programming(23UCSC51)
 - Python Programming(23UCSC61)
- 3) The board suggested adding related MOOC courses as an alternative to Elective papers. It was also recommended that students with at least 70% attendance and 70% marks can complete the corresponding MOOC course in the previous semester of the particular Elective course. If they do not clear it, they can still take the corresponding Elective Paper. Additionally, students who complete both the MOOC course and the Elective Paper shall be awarded extra credits.

M.Sc. Computer Science :

The board suggested that the following topics can be represented as Indian Knowledge System (IKS):

- 1) Algorithm Definition and Specification (Unit I) and Traversal & Search in Trees and Graphs (Unit II) in Analysis and Design of Algorithms (23PCSC11).
- 2) Data Mining Technologies in Statistical Perspective (Unit I) in Data Mining and Warehousing (23PCSC21).
- 3) Analytics Architecture Components & Design Styles (Unit II) in Big Data Analytics (23PCSC33).
- 4) Application of Cryptography to Blockchain (Unit III) in Blockchain Technology (23PCSS41).
- 5) Mathematical, Logical, and Computational Principles in the Introductory Session (Unit I) in Theory of Computation (23PCSE21).
- 6) Encryption Algorithms and Digital Signatures (Units I and II) in Network Security and Cryptography (23PCSE31).
- 7) Linear Algebra: Scalars, Vectors, Matrices (Unit I) in Deep Learning (23PCSE31).

The board emphasized that there are already three Skill Enhancement Courses:

1. Data Mining using R – Lab (23PCSS21)

2. Robotic Process Automation – Lab (23PCSS31)

3. Block chain Technology (23PCSS41)


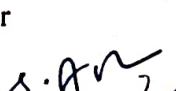
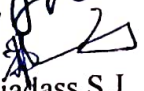

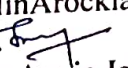

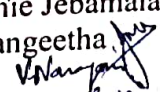
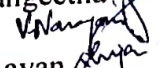
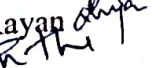
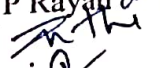


Additionally, Internship (23PCSI35) and Project (23PCSP43) are skill-oriented, as they involve solving real-time problems and developing real-time applications.


Furthermore, it was decided to enrich the following theory papers with a maximum of three skill enhancement activities:

- Python Programming (23PCSC13)
- Data Mining and Warehousing (23PCSC21)
- Advanced Java Programming (23PCSC23)
- Web Application Development (23PCSC31)
- Robotic Process Automation (23PCSC32)
- Digital Image Processing (23PCSC41)
- Block chain Technology (23PCSS41)
- Dot Net Technologies (23PCSE11)

The board suggested adding related MOOC courses as an alternative to Elective papers. It was also recommended that students with at least 70% attendance and 70% marks complete the corresponding MOOC course in the previous semester of the particular Elective course. If they do not clear it, they can still take the corresponding Elective Paper. Additionally, students who complete both the MOOC course and the Elective Paper shall be awarded extra credits.

Name and Signature of the Members

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