

**Board Of Studies Meeting**

**Department of Computer Applications**

**Francis Xavier Engineering College, Vannarpettai,**

**Tirunelveli - 627 003**

(An Autonomous Institution - Affiliated to Anna University, Chennai)

**[www.francisxavier.ac.in](http://www.francisxavier.ac.in)**

## **5<sup>th</sup> Board of Studies Meeting in the Department of Computer Applications**

Mode: Through Online

(Meeting Link:

<https://zoom.us/j/94018411583?pwd=am9UY2s0NWxicGNyS1ZVSVN0NzVaZz09>, Meeting ID: 940 1841 1583)

Venue: MCA Dept

Date & Time: 26.06.21 & 10.30am

### **AGENDA**

BoS / MCA 5.1: Welcome address and Opening Remarks by Chairman, Board of studies in the Department of Computer Applications

BoS / MCA 5.2: Confirmation of the Minutes of the 4<sup>th</sup> meeting of Board of studies in the department of Computer Applications held on 12.01.2021 and Action taken report of 4<sup>th</sup> meeting of Board of studies

BoS / MCA 5.3: Business brought forward by the Chairman, Board of Studies

5.3.1 NPTEL Courses for Professional Elective IV

5.3.2. Professional Skill Training Courses

5.3.3. Industry support courses

5.3.4. Mandatory Courses

5.3.5. 2021 MCA Curriculum and Syllabus for Regulation 2019

5.3.6 Changes in PSO 2 as per the syllabus upgradation

BoS / MCA 5.4: Suggestions given by the BOS Members

BoS / MCA 5.5: Any other items for discussion

## Department of Computer Applications

### MINUTES OF THE MEETING

The 5<sup>th</sup> Meeting of the Board of studies of the MCA Department was held on 26 JUNE at 10.30am through online.

The following members were present:

1. Mrs. D. Angeline Ranjithamani, AP & Head Chairman BoS
2. Mrs. Vinolia Ananthan, Senior Assistant Professor, MCA Dept, AUTVL Regional Campus
3. Dr. G. Muthulakshmi B.E., M.E., Ph.D. Assistant Professor, CSE Dept., MS University
4. Dr. S. Sivagurunathan, Associate Professor, Department of MCA, Gandhigram Rural Institute (Deemed University)
5. Mr. Deepak Keynes, Team leader, Associate, Cognizant technology solutions, 5/535, Old Mahabalipuram Road, Nehru Nagar, Thoraipakkam, Chennai, Tamil Nadu 600096.
6. Mr. V. Packiyarajan, Senior Software Engineer, Outstager, Industrial Estate, Perungudi, OMR Phase 1, Chennai-96.
7. Mr. A. Arul Amalraj, AP / MCA
8. Mr. D. Stanley, AP/MCA
9. Mrs. J. Abalin Luther, AP/MCA
10. Mrs. Annie Rose Nirmala, HOD/MBA
11. Mr. A. Santiago Stephen, AP/MATHS
12. Mr. J. David Ayling, AP/ENGLISH
13. Dr. Lakshmi Narayanan, Prof. ECE

Board of Studies Meeting started with a prayer by Professor Mr. A. Arul Amalraj  
BoS / MCA 5.1: WELCOME ADDRESS by Professor Mr. D. Stanley AND OPENING REMARKS BY  
CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF COMPUTER APPLICATIONS

The Chairman, BOS of the MCA Department welcomed and introduced the members of  
5<sup>th</sup> Board of Studies and thanked each of them for sparing their valuable time to attend the  
meeting.

BoS / MCA 5.2: TO CONFIRM THE MINUTES OF FOURTH BOS MEETING HELD ON 12.01.2021  
The minutes of the Fourth Board of Studies meeting held on 12.01.2021 were communicated to  
the members. The comments received have been incorporated and placed for confirmation.  
The same was approved by the 3<sup>rd</sup> Academic Council.

#### Annexure I: Action Taken Report

BoS / MCA 5.3.1: TO CONFIRM AND APPROVE the NPTEL Courses for Professional Elective IV  
✓ RESOLVED TO APPROVE the NPTEL Courses for Professional Elective IV.

BoS / MCA 5.3.2: TO CONFIRM AND APPROVE the Professional Skill Training Courses  
✓ RESOLVED TO APPROVE the syllabus for the Professional Skill Training Courses, Credit  
distribution, CO – PO mapping, Course Outcomes, Weightage of syllabus

BoS / MCA 5.3.3: TO CONFIRM AND APPROVE the Industry support courses  
✓ RESOLVED TO APPROVE the syllabus for the industry support courses, Credit distribu-  
tion, CO – PO mapping, Course Outcomes, Weightage of syllabus

BoS / MCA 5.3.4: TO CONFIRM AND APPROVE the Mandatory Courses  
✓ RESOLVED TO APPROVE the syllabus for the Mandatory Courses, Credit distribution, CO  
– PO mapping, Course Outcomes, Weightage of syllabus

BoS / MCA 5.3.5: TO CONFIRM AND APPROVE the 2021 MCA Curriculum for Regulation 2019  
✓ RESOLVED TO APPROVE the syllabus for the 2021 MCA Curriculum for Regulation  
2019, Credit distribution, CO – PO mapping, Course Outcomes, Weightage of syllabus

BoS / MCA 5.3.6: TO CONFIRM AND APPROVE the changes in PSO 2 as per the syllabus  
✓ RESOLVED TO APPROVE the changes in PSO 2 as per the syllabus.

BoS / MCA 5.4 : Suggestions Given by the Members

1. 21CA2104- Web Application Development Frameworks Lab experiments can be re-defined
2. In 21CA1B04- Programming in C Lab Course name can be changed to Programming in C Laboratory. Common format should be followed for all Laboratory Courses.
3. NPTEL Course options can be given for the Professional Core Courses
4. In the course 21CA2205 - Cryptography and Network Security add more algorithms rather than the theory.
5. In the course 21CA2205 - Software Project Management case studies can be added

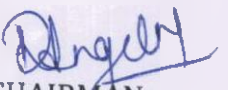
BoS / MCA 5.5: Any other items for discussion

The members had a brainstorming discussion, deliberation and interaction among themselves. After discussion, productive suggestions were incorporated appropriately in the MCA Curriculum and Syllabi.

Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

1. The syllabus for the I and II Semesters, Credit distribution, CO - PO mapping, Course Outcomes, Weightage of syllabus
2. The syllabus for the Professional Elective I, Credit distribution, CO - PO mapping, Course Outcomes, Weightage of syllabus
3. The syllabus for the Bridge Courses, Credit distribution, CO - PO mapping, Course Outcomes, Weightage of syllabus
4. Incorporation of NPTEL courses for Professional Electives IV, Professional Skill training courses and Industry supported courses, Credit distribution, CO - PO mapping, Course Outcomes, Weightage of syllabus
5. Modification in the Programme Specific Outcomes as per the syllabus upgradation.


Mrs. D. Angeline Ranjithamani, AP & HOD thanked all the members for their kind cooperation and the meeting came to an end.

  
CHAIRMAN

BOARD OF STUDIES  
Head of the Department  
Department of Computer Applications  
Francis Xavier Engineering College  
(An Autonomous Institution)  
Vannarpottai, Tirunelveli - 627 011


## Attendance Sheet Table of Members

### External Members:

| S. No. | Name   | Signature   |
|--------|--|---|
| 1      | Mrs. Vinolia Ananthan<br>Senior Assistant Professor,<br>Department of Computer Applications,<br>Anna University Regional Campus, Tirunelveli Phone<br>No: 9487475495<br>Email id: <a href="mailto:vinolia.anandan@auttv.ac.in">vinolia.anandan@auttv.ac.in</a>                                   |  |
| 2      | Dr.G. Muthulakshmi B.E., M.E., Ph.D.<br>Assistant Professor<br>Department of Computer Science and Engineering<br>Manonmaniam Sundaranar University,<br>Tirunelveli-12<br>Phone No: 9080481570<br>Email id : <a href="mailto:lakshmimsucse@gmail.com">lakshmimsucse@gmail.com</a>                 |   |
| 3      | Dr. S. Sivagurunathan, Associate Professor,<br>Department of MCA,<br>Gandhigram Rural Institute (Deemed University)<br>Gandhigram, Dindigul<br>Phone No:9486376381<br>Email id : <a href="mailto:svgrnth@gmail.com">svgrnth@gmail.com</a>  |   |
| 4      | Dr. Deepak Keynes,<br>Team leader, Associate,<br>Cognizant technology solutions,<br>5/535, Old Mahabalipuram Road,<br>Nehru Nagar, Thoraipakkam,<br>Chennai, Tamil Nadu 600096<br>Phone no: 7708483222<br>Email ID: <a href="mailto:deepak.keynes@cognizant.com">deepak.keynes@cognizant.com</a> |   |
| 5      | Mr. V. Packiyarajan,<br>Senior Software Engineer,<br>Outstager, Industrial Estate,<br>Perungudi, OMR Phase 1,<br>Chennai-96<br>Phone no: 7502505205<br>Email id: <a href="mailto:packiyarajan.v@outstager.com">packiyarajan.v@outstager.com</a>  |   |



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| 2      | Dr.G. Muthulakshmi B.E., M.E., Ph.D.<br>Assistant Professor<br>Department of Computer Science and Engineering<br>Manonmaniam Sundaranar University,<br>Tirunelveli-12<br>Phone No: 9080481570<br>Email id : <a href="mailto:lakshminsuse@gmail.com">lakshminsuse@gmail.com</a>             |   |
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| 5      | Mr. V. Packiyarajan,<br>Senior Software Engineer,<br>Aspire Systems,<br>Old No.4, New No.7, II Trust Link Road, Mandaveli,<br>Chennai 600028<br>Phone no: 7502505205<br>Email id: <a href="mailto:vpackiyarajan@gmail.com">vpackiyarajan@gmail.com</a>                                     |   |





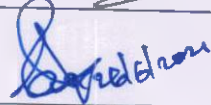

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| 2      | Dr.G. Muthulakshmi B.E., M.E., Ph.D.<br>Assistant Professor<br>Department of Computer Science and Engineering<br>Manonmaniam Sundaranar University,<br>Tirunelveli-12<br>Phone No: 9080481570<br>Email id : <a href="mailto:lakshmimsuese@gmail.com">lakshmimsuese@gmail.com</a>                | <br>26/6/2021 |
| 3      | Dr. S. Sivagurunathan, Associate Professor,<br>Department of MCA,<br>Gandhigram Rural Institute (Deemed University)<br>Gandhigram, Dindigul<br>Phone No:9486376381<br>Email id : <a href="mailto:svgrnth@gmail.com">svgrnth@gmail.com</a>   |  |
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### Internal Members Present:

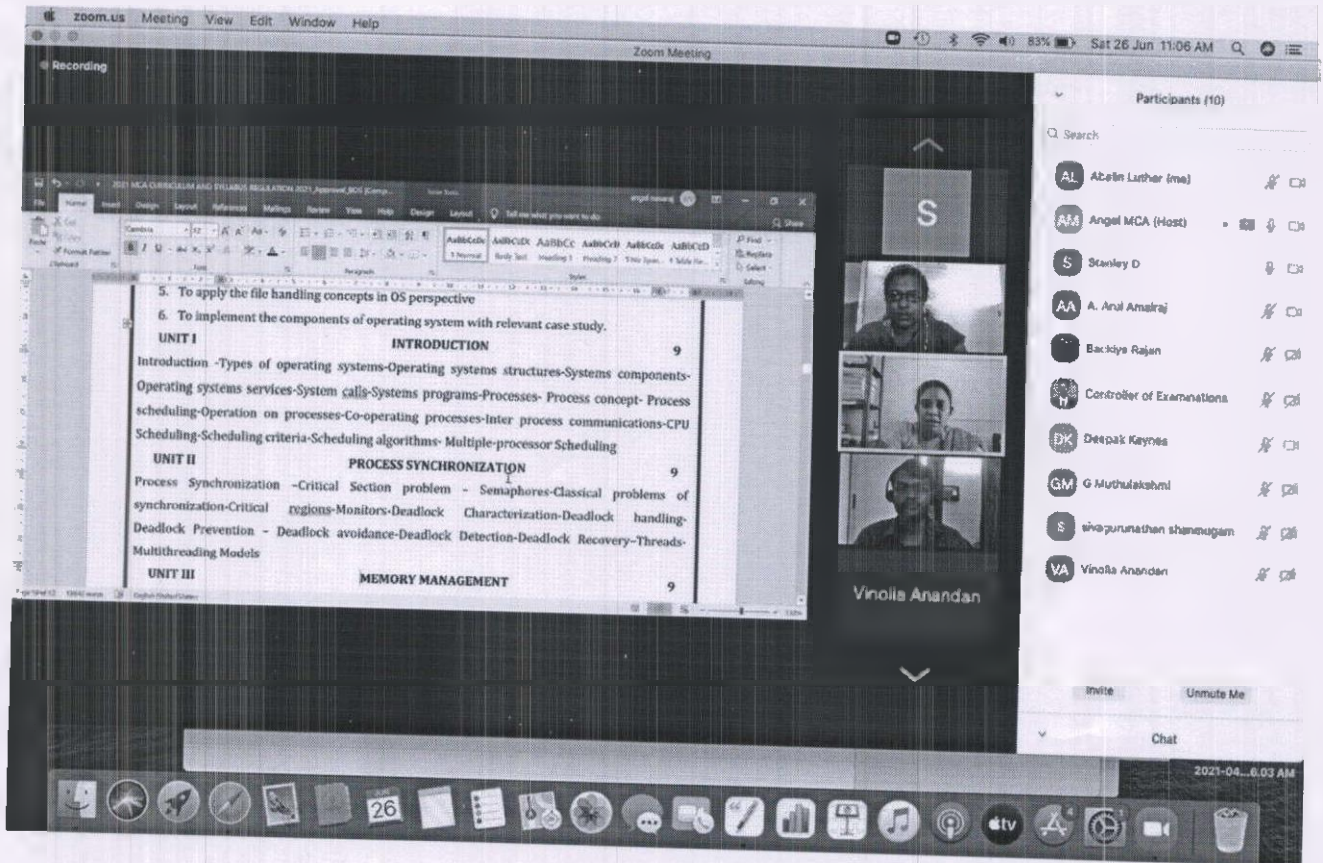
| S. No. | Name of the Internal Members      | Signature   |
|--------|-----------------------------------|---|
| 1      | Mr. A. Arul Amalraj, AP / MCA     |  |
| 2      | Mr. D. Stanley, AP/MCA            |  |
| 3      | Mrs. J. Abalin Luther, AP/MCA     |  |
| 4      | Mrs. Annie Rose Nirmala, HOD/MBA  |  |
| 5      | Mr. A. Santiago Stephen, AP/MATHS |  |
| 6      | Mr. J. David Ayling, AP/ENGLISH   |  |
| 7      | Dr. Lakshmi Narayanan, Prof. ECE  |   |

Department of Computer Applications

Google online meet link:

(Meeting Link:

<https://zoom.us/j/94018411583?pwd=am9UY2s0NWxicGNyS1ZVSVN0NzVaZz09>, Meeting ID: 940 1841 1583 )



*D. Anguly*  
12/7/21

BOS chairman

Head of the Department  
Department of Computer Applications  
Francis Xavier Engineering College  
(An Autonomous Institute)  
Vannarpettai, Tirunelveli - 627 003.

## Annexure 1

### Fourth Board of Studies Meeting Action Taken Report

#### Agenda1: Curriculum and Syllabi

The following are the suggestions given by the Members of the Board of Studies to incorporate in the curriculum and syllabi

- 20CA4203- Geological information system course name changed to Geographic Information system as suggested by subject expert from Civil Department- **Updated**
- In 20CA3101- Big Data Analytics, topics related to algorithm to analytics should be added in 4<sup>th</sup> unit. The name of the 5<sup>th</sup> unit can be Introduction to Framework- **Updated**
- Light sensor system program can be added in 20CA3102- Internet of Things and Cloud Computing Laboratory. Inclusion of Wireless sensor Network topics can be done in 1<sup>st</sup> unit and case studies can be removed in 4<sup>th</sup> unit- **Updated**
- In the course 20CA3103- Mobile Computing, the topic difference between Wireless and Mobile Communication can be added in Unit I and include more topics in Mobile communication and app development - - **Updated**
- In 20CA3913- Mini project, suggestions were given to reduce the size of the team- **Updated**
- In 20CA3206- Natural Language Processing Course the syllabus can be reduced- **Updated**
- The 20CA3208- Game Programming Course can be refined as Multimedia and Gaming by adding 3D animation, Augmented Reality and Virtual Reality concepts - - **Updated**
- 20CA3209- Bio Informatics Course can be refined as Medical Imaging and add basic Biology information. Software tools can be introduced in 5<sup>th</sup> Unit for case study- **Updated**
- In 20CA4206- Block Chain Technology and its application course, more topics can be added in the introduction part- **Updated**
- The 20CA4209-Probability theory course name can be changed to Probability and Statistical Theory and refine the syllabus according to it- **Updated**
- Bridge course has to be conducted for a period of one year as per Anna University norms. Suggestions were given to add more courses in the Bridge courses- **Updated**



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**Department of Master of Computer Application**

Cir / MCA / BOS / ODD / 21 – 22 / 05 dated 22.06.2021

**CIRCULAR**

This is to inform that the Fifth Board of Studies meeting of Computer Applications is scheduled on 26<sup>th</sup> June 2021 in the online mode at 10.30 am. All the members of faculty are asked to make their presence.

**Agenda:**

- Review of 4<sup>th</sup> BOS Meeting Minutes
- NPTEL Courses
- Professional Skill Training Courses
- Industry Support Courses
- Curriculum and Syllabus for PG 2021

**Join Zoom link:**

Fifth BOS Meeting

Time: Jun 26, 2021 10:30 AM India

Join Zoom Meeting

<https://zoom.us/j/94018411583?pwd=am9UY2s0NWxicGNyS1ZVSzVzVz0zVaZz09>

Meeting ID: 940 1841 1583

Passcode: 11111

**HOD/MCA**

**Copy to:**

1. Chairman office
2. General Manager Development
3. Principal
4. COE
5. Prof/Academics

**Head of the Department**  
**Department of Computer Applications**  
**Francis Xavier Engineering College**  
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# FRANCIS XAVIER ENGINEERING COLLEGE

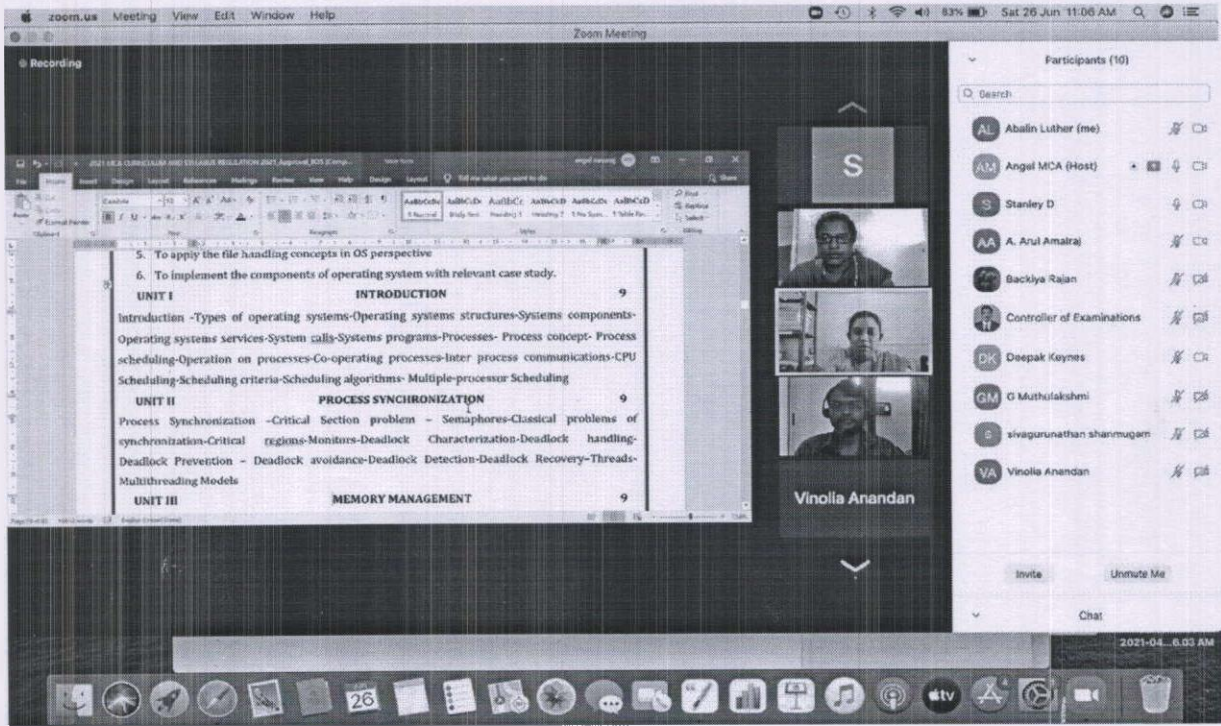
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Department of Master of Computer Application

## FIFTH BOARD OF STUDIES MEETING ON 26<sup>TH</sup> JUNE 2021



The Fifth meeting of Board of Studies of Computer Applications Department was convened by Mrs. D. Angeline Ranjithamani of Francis Xavier Engineering College in Zoom Online Platform on 26<sup>th</sup> June 2021 at 10.30 a.m. The External Members are Mrs. Vinolia Ananthan (Anna University Nominee), Dr.G.Muthulakshmi (Other University Nominee), Dr. S. Sivagurunathan(Other University Nominee), Mr. Deepak Keynes (Industry Expert) and Mr. V. Packiyarajan (Alumni Expert). Mrs. D. Angeline Ranjithamani HOD / MCA Dept welcomed the experts and Mr. A. Arul Amalraj, AP/MCA started with a prayer. Mr. D. Stanley welcomed the gathering. After a brief introduction of all the members, she informed the board that the draft curriculum for Department of Computer Applications was prepared based on the Anna University Syllabus and AICTE Model curriculum. The Board chairman outlined the agenda for discussion in the meeting. After the discussions, suggestions were given by the expert members for the 2021 MCA curriculum and syllabus for 2019 regulations.

*Angeline Ranjithamani*  
 21/7/21  
 HOD

*Stanley D*  
 21/7/2021  
 PROF.ACADEMICS

*Vinolia Ananthan*  
 21/7/21  
 PRINCIPAL



MCA HOD &lt;mcahod@francisxavier.ac.in&gt;

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**Fifth BOS Meeting Minutes updated - 26.06.2021**

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MCA HOD &lt;mcahod@francisxavier.ac.in&gt;

Mon, Jul 12, 2021 at 12:21 PM

To: svgrnth@gmail.com, Vinolia Anandan &lt;vinolia.anandan@autvl.ac.in&gt;, packiyarajan.v@outstager.com, lakshminsucse@gmail.com, deepak.keynes@cognizant.com

Respected Sir / Madam,

Greetings from the Department of Computer Applications, Francis Xavier Engineering College.

We thank you for your valuable presence at the 5th BOS Meeting held on 26.06.2021. Your suggestions have been noted and incorporated in the 2021 MCA Curriculum and Syllabus Reg 2019. Herewith this mail, we have attached the Fifth BOS Meeting minutes for your kind perusal.

Kindly go through the minutes and authorise the same with your digital signature.

D. Angeline Ranjithamani

Asst. Professor and Head

Department of Computer Applications

\*Francis Xavier Engineering College,\*

\*Tirunelveli - 627003.\*

\*Mobile: 9943077700

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 **Fifth BOS Meeting Minutes\_ Final Draft.docx**  
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