



# FRANCIS XAVIER<sup>®</sup> ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

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## Department of Computer Science and Engineering

### 7<sup>TH</sup> BOARD OF STUDIES MEETING

FXEC\CSE\2022-2023\BOS-7 Minutes

Mode: Offline

Venue: Lab-3

Date & Time: 18.08.2022 & 10:00 AM

#### AGENDA

BoS / CSE 7.1: Welcome address and Opening Remarks by Chairman, Board of studies in the Department of Computer Science and Engineering

BoS/CSE 7.2: Confirmation of the Minutes of the 6<sup>th</sup> meeting of Board of studies in the department of Computer Science and Engineering held on 18.12.2021 and Action taken report of 6<sup>th</sup> meeting of Board of studies

BoS /CSE 7.3: Business brought forward by the Chairman, Board of Studies

7.3.1 Curriculum & Syllabus for R2021 B.E Computer Science and Engineering (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Semester)

7.3.2 Curriculum & Syllabus for R2021 ME Computer Science and Engineering

7.3.3 Curriculum & Syllabus for R2021 ME Computer Science and Engineering (with Specialization in Networks)

7.3.4 Specialization /Minor Courses from 4<sup>th</sup> semester R2019

7.3.5 NPTEL Courses

7.3.6 Industry Supported Courses

BoS / CSE 7.4: Suggestions given by the BOS Members

BoS / CSE 7.5: Any other items for discussion

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**MINUTES OF THE MEETING**

The 7<sup>th</sup> Meeting of the Board of studies of the Department of Computer Science and Engineering was held on 18<sup>th</sup> August 2022 at 10 am.

The following members were present:

1. Head of BOS  
Prof. Dr.G.Aravind Swaminathan, Professor/Head,  
Department of Computer Science and Engineering,  
Francis Xavier Engineering College,  
Tirunelveli
2. University Nominee  
**Dr.C. Senthil Kumar**,  
Associate Professor,  
Department of Computer Science and Engineering,  
Thiagarajar College of Engineering.
3. Academic Experts  
**Dr.E.IIavarasan**  
Professor/CSE,  
Pudhucherry Technological University (Formally Pondicherry Engineering College),  
Pondicherry- 605014.  
**Dr.D Murugan**  
Professor/CSE,  
Manonmanium Sundaranar University,  
Tirunelveli-627012
4. Industrial Experts  
**Mr.B.Durgasanth**  
Technical Lead,  
Rishon Communication Technologies,  
Tirunelveli
5. Alumni Members  
**Mr.A.Alan Selva Denis**  
Technical Lead,  
HCL Technologies,  
Chennai-600119

## 6. Internal Members

| S. No | Name of the Member         | Designation       |
|-------|----------------------------|-------------------|
| 1.    | Dr.R.Ravi                  | Professor/CSE     |
| 2.    | Dr.S.Balaji                | Professor/CSE     |
| 3.    | Mrs.P.Brundha              | Professor/CSE     |
| 4.    | Dr.C.Yesubhai Rubavathy    | Professor/CSE     |
| 5.    | Dr.E.Manohar               | Assoc. Prof / CSE |
| 6.    | Mr.J.Zahariya Gabriel      | AP/ CSE           |
| 7.    | Mrs.J.Priskilla Angel Rani | AP/ CSE           |
| 8.    | Mr.K.Sivakumar             | AP/ CSE           |
| 9.    | Mrs.N.Raja Priya           | AP/ CSE           |
| 10.   | Mr.S.Malaiarasan           | AP/ CSE           |
| 11.   | Mrs.P.Jenifer              | AP/ CSE           |
| 12.   | Mrs.M.Sharon Nisha         | AP/ CSE           |
| 13.   | Mrs.B.Benita               | AP/ CSE           |
| 14.   | Mr.M.Mukesh Krishnan       | AP/ CSE           |
| 15.   | Dr.R.Tino Merlin           | AP/ CSE           |
| 16.   | Mrs.A.Muthulakshmi         | AP/ CSE           |
| 17.   | Mrs.M.Bagya Lakshmi        | AP/ CSE           |
| 18.   | Mr.S.Sivaraj               | AP/ CSE           |
| 19.   | Mrs.M.Fathima              | AP/ CSE           |
| 20.   | Dr.U.Kumaran               | AP/ CSE           |
| 21.   | Dr.R.Suman                 | AP/ CHEMISTRY     |
| 22.   | Dr.P.Jona                  | AP/ CHEMISTRY     |

7. Ex-officio Members

Principal, Francis Xavier Engineering College, Tirunelveli

Professor Academics, Francis Xavier Engineering College, Tirunelveli

Controller of Examinations, Francis Xavier Engineering College, Tirunelveli

**Members Absent - Nil**

Board of Studies Meeting started with a prayer by Assistant Professor, Mrs. B.Benita and Dr.C.Yesubhai Rubavathy welcomed the gathering

**BoS /CSE 7.1: WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

The Chairman, BOS of the Computer Science and Engineering welcomed and introduced the members of 7<sup>th</sup> Board of Studies and thanked each of them for sparing their valuable time to attend the meeting.

**BoS /CSE 7.2: TO CONFIRM THE MINUTES OF SIXTH BOS MEETING HELD ON 18.12.2021**

The minutes of the Sixth Board of Studies meeting held on 18.12.2021 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 6<sup>th</sup> Academic Council.

**BoS / CSE 7.3: Business brought forward by the Chairman, Board of Studies**

**BoS / CSE 7.3.1: TO CONFIRM AND APPROVE the Curriculum & (1<sup>st</sup>, 2<sup>nd</sup>,3<sup>rd</sup> and 4<sup>th</sup> Semester) Syllabus for R2021 B.E Computer Science and Engineering**

8 Semester Curriculum and 4 Semester Syllabus were framed and it was presented by the chairman BOS

- ✓ RESOLVED TO APPROVE the Curriculum & Syllabus for R2021 B.E Computer Science and Engineering

**BoS / CSE 7.3.2: TO CONFIRM AND APPROVE the Curriculum & (3<sup>rd</sup> semester) Syllabus for R2021 M.E Computer Science and Engineering**

4 Semester Curriculum and 4 Semester Syllabus were framed and it was presented by the chairman BOS

- ✓ RESOLVED TO APPROVE the Curriculum & Syllabus for R2021 M.E Computer Science and Engineering

**BoS / CSE 7.3.3: TO CONFIRM AND APPROVE the Curriculum & (3<sup>rd</sup> semester) Syllabus for R2021 M.E Computer Science and Engineering (with Specialization in Networks)**

4 Semesters Curriculum and 4 Semesters Syllabus were framed and it was presented by the chairman BOS

- ✓ RESOLVED TO APPROVE the Curriculum & Syllabus for R2021 M.E Computer Science and Engineering (with Specialization in Networks)

#### **BoS / CSE 7.3.4: TO CONFIRM AND APPROVE the Specialization/Minor Courses**

The Specialization/ Minor Courses in Cyber Security has been proposed and 2 Theory Courses, 2 Theory cum Practical courses and one Project work with 18 credits and their syllabus was presented by the chairman BOS

- ✓ RESOLVED TO APPROVE the Specialization/Minor Courses

#### **BoS / CSE 7.3.5: TO CONFIRM AND APPROVE the NPTEL Courses**

The List of NPTEL Online Courses to be opted for the students from 5<sup>th</sup> semester instead of Professional core subjects in the overall curriculum were discussed

- ✓ RESOLVED TO APPROVE the NPTEL Courses

#### **BoS / CSE 7.3.6: TO CONFIRM AND APPROVE the Industry Supported Courses**

The course 21CS3603- Object Oriented Programming Systems will be provided as an Industry Supported Course with the support of Rishon Communication Systems, Tirunelveli

- ✓ RESOLVED TO APPROVE the Industry Supported Courses

#### **BoS / CSE 7.4: Suggestions Given by the Members**

##### **R2021 B.E Computer Science and Engineering**

- 7.4.1 Dr.C.Senthil Kumar, University Nominee, requested to present the changes in the curriculum with respect to the previous regulation of 2019
- 7.4.2 Dr. G.Aravind Swaminathan, Chairman, Head of BOS told that Project Based learning is followed for every lab
- 7.4.3 Dr.C.Senthil Kumar, University Nominee also added that the recent inclusion in the technology are also included in the syllabus
- 7.4.4 Dr.C.Senthil Kumar, suggested that in the forthcoming regulations the subjects can be allocated specific for CSE Department
- 7.4.5 Mr.Durgasanth Suggested that OOPs knowledge will be useful in prior to the study of Python
- 7.4.6 Also Python can be provided in advance for CSE Department such as Python for Data Science
- 7.4.7 In 3rd semester Software engineering subject can be included as Theory cum practical
- 7.4.8 Mr.A.Alan Selva Denis, Alumni member Suggested that Scenario based programming questions has to be included in the lab Syllabus

## R2021 M.E Computer Science and Engineering

- 7.4.9 The Feedback for the M.E Computer Science and Engineering courses were discussed and further no amendment was needed

## R2021 M.E Computer Science and Engineering(with Specialization in Networks)

- 7.4.10 The Feedback for the M.E Computer Science and Engineering (With Specialization in Networks) courses were discussed and further no amendment was needed

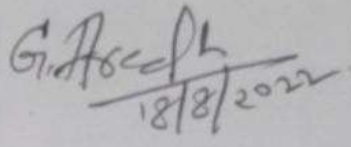
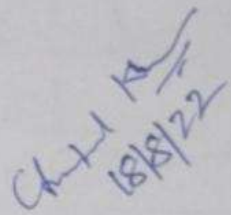
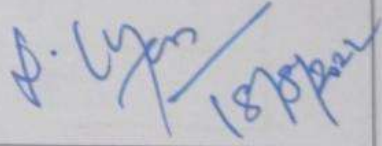
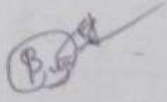
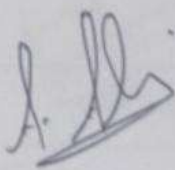
### BoS / CSE 7.5: Any other items for discussion

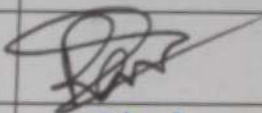
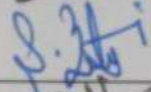

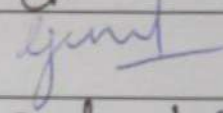
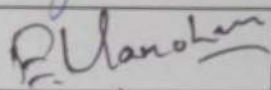
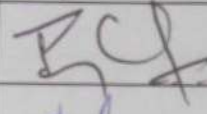
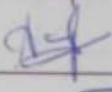
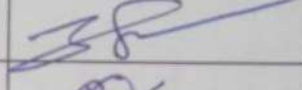

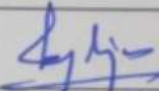
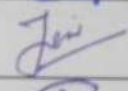
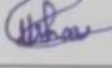
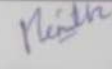
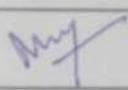
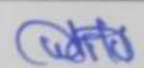
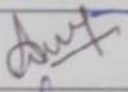

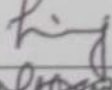
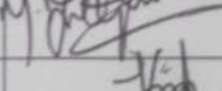

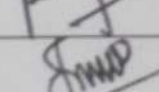

- 7.5.1 Specialization/Minor Courses, Elective course Syllabus was presented and the expert members approved the same
- 7.5.2 The Expert members suggested to provide provision to take NPTEL courses from 4<sup>th</sup> semester onwards

Dr.G.Aravind Swaminathan, Professor/HOD thanked all the members for their kind cooperation and the meeting came to an end.

  
13/8/2022  
CHAIRMAN  
BOARD OF STUDIES

## Attendance Sheet Table of Members:

| S. No | Members as per UGC Norms   | Members Nominated  | Signature  |
|-------|--|--|--|
| 1     | Head of the Department concerned (Chairman)  | <b>Dr.G.Aravind Swaminathan,</b><br>Professor/Head,<br>Department of Computer Science and Engineering,<br>Francis Xavier Engineering College,<br>Tirunelveli | <br>18/8/2022   |
| 2     | One Expert nominated by the Vice Chancellor from a panel of six recommended by the college Principal | <b>Dr.C. Senthil Kumar,</b><br>Associate Professor,<br>Department of Computer Science and Engineering,<br>Thiagarajar College of Engineering.                | <br>18/8/22     |
| 3     | Two experts in the subject from outside the college nominated by the Academic Council                | <b>Dr.E.Illavarasan</b><br>Professor/CSE,<br>Pudhucherry Technological University(Formally Pondicherry Engineering College),<br>Pondicherry- 605014.         | AB   |
|       |  | <b>Dr.D Murugan</b><br>Professor/CSE,<br>Manonmanium Sundaranar University,<br>Tirunelveli-627012  | <br>18/8/2022 |
| 4     | One representative from industry/corporate sector/allied area relating to placement                  | <b>Mr.B.Durgasanth</b><br>Senior Software Development,<br>Rishon Communication Technologies,<br>Tirunelveli  |               |
| 5     | One Post Graduate meritorious aluminous nominated by the Principal                                   | <b>Mr.A.Alan Selva Denis</b><br>Technical Lead,<br>HCL Technologies,<br>Chennai-600119   |               |

| S. No | Name of the Member         | Designation       | Signature   |
|-------|----------------------------|-------------------|---|
| 1.    | Dr.R.Ravi                  | Professor/CSE     |    |
| 2.    | Dr.S.Balaji                | Professor/CSE     |    |
| 3.    | Mrs.P.Brundha              | Professor/CSE     |    |
| 4.    | Dr.C.Yesubhai Rubavathy    | Professor/CSE     |    |
| 5.    | Dr.E.Manohar               | Assoc. Prof / CSE |    |
| 6.    | Mr.J.Zahariya Gabriel      | AP/ CSE           |    |
| 7.    | Mrs.J.Priskilla Angel Rani | AP/ CSE           |    |
| 8.    | Mr.K.Sivakumar             | AP/ CSE           |    |
| 9.    | Mrs.N.Raja Priya           | AP/ CSE           |    |
| 10.   | Mr.S.Malaiarasan           | AP/ CSE           |   |
| 11.   | Mrs.P.Jenifer              | AP/ CSE           |  |
| 12.   | Mrs.M.Sharon Nisha         | AP/ CSE           |  |
| 13.   | Mrs.B.Benita               | AP/ CSE           |  |
| 14.   | Mr.M.Mukesh Krishnan       | AP/ CSE           |  |
| 15.   | Dr.R.Tino Merlin           | AP/ CSE           |  |
| 16.   | Mrs.A.Muthulakshmi         | AP/ CSE           |  |
| 17.   | Mrs.M.Bagya Lakshmi        | AP/ CSE           |  |
| 18.   | Mr.S.Sivaraj               | AP/ CSE           |  |
| 19.   | Mrs.M.Fathima              | AP/ CSE           |  |
| 20.   | Dr.U.Kumaran               | AP/ CSE           |  |
| 21.   | Dr.R.Suman                 | AP/ CHEMISTRY     |  |
| 22.   | Dr.P.Jona                  | AP/ CHEMISTRY     |  |



## Annexure - I

## Specialization/ Minor Courses

| S. No                               | Course Code | Course Name                             | L  | T | P  | C  | H  |
|-------------------------------------|-------------|---|----|---|----|----|----|
| <b>Theory Course</b>                |             |   |    |   |    |    |    |
| 1                                   | 19CS4S01    | Cyber Security Management And Cyber Law | 3  | 0 | 0  | 3  | 3  |
|                                     |             | Elective                                | 3  | 0 | 0  | 3  | 3  |
| <b>Theory cum Practical Courses</b> |             |   |    |   |    |    |    |
| 1                                   | 19CS5S01    | Cyber Security Essentials               | 2  | 0 | 4  | 4  | 4  |
| 3                                   | 19CS6S01    | Forensics and Incident Response         | 2  | 0 | 4  | 4  | 4  |
| <b>Practical Course</b>             |             |   |    |   |    |    |    |
| 1.                                  | 19CS7S11    | Project work                            | 0  | 0 | 8  | 4  | 8  |
| <b>Total</b>                        |             |   | 10 | 0 | 16 | 18 | 22 |
| <b>Elective Courses</b>             |             |   |    |   |    |    |    |
| 1                                   | 19CS6S02    | Cloud Security                          | 3  | 0 | 0  | 3  | 3  |
| 2                                   | 19CS6S03    | Database Security                       | 3  | 0 | 0  | 3  | 3  |
| 3                                   | 19CS6S04    | Mobile And Wireless Security            | 3  | 0 | 0  | 3  | 3  |

## LIST OF NPTEL COURSES

## LIST OF NPTEL COURSES - 2022-2023 ODD

| S.NO | COURSE CODE | COURSE NAME  | DURATION (WEEKS) | COURSE STARTS | EXAM DATE    | URL   |
|------|-------------|--|------------------|---------------|--------------|---|
| 1.   | noc22-cs62  | Computational Number Theory and Algebra                        | 12 Weeks         | Jul 25, 2022  | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs62/preview">https://onlinecourses.nptel.ac.in/noc22_cs62/preview</a>   |
| 2.   | noc22-cs67  | Artificial Intelligence : Search Methods For Problem solving   | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs67/preview">https://onlinecourses.nptel.ac.in/noc22_cs67/preview</a>   |
| 3.   | noc22-cs75  | Reinforcement Learning   | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs75/preview">https://onlinecourses.nptel.ac.in/noc22_cs75/preview</a>   |
| 4.   | noc22-cs76  | Deep Learning for Computer Vision                              | 12 Weeks         | Jul 25, 2022  | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs76/preview">https://onlinecourses.nptel.ac.in/noc22_cs76/preview</a>   |
| 5.   | noc22-cs77  | Introduction to Game Theory and Mechanism Design               | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs77/preview">https://onlinecourses.nptel.ac.in/noc22_cs77/preview</a>   |
| 6.   | noc22-cs80  | Advanced Distributed systems                                   | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs80/preview">https://onlinecourses.nptel.ac.in/noc22_cs80/preview</a>   |
| 7.   | noc22-cs81  | Parameterized Algorithms                                       | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs81/preview">https://onlinecourses.nptel.ac.in/noc22_cs81/preview</a>   |
| 8.   | noc22-cs82  | Getting Started with Competitive Programming                   | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs82/preview">https://onlinecourses.nptel.ac.in/noc22_cs82/preview</a>   |
| 9.   | noc22-cs83  | Applied Accelerated Artificial Intelligence                    | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs83/preview">https://onlinecourses.nptel.ac.in/noc22_cs83/preview</a>   |
| 10.  | noc22-cs87  | Cloud Computing  | 12 Weeks         | Jul 25, 2022  | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs87/preview">https://onlinecourses.nptel.ac.in/noc22_cs87/preview</a>   |
| 11.  | noc22-cs89  | Computer Vision  | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs89/preview">https://onlinecourses.nptel.ac.in/noc22_cs89/preview</a>   |
| 12.  | noc22-cs92  | Data Structure And Algorithms Using Java                       | 12 Weeks         | Jul 25, 2022  | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs92/preview">https://onlinecourses.nptel.ac.in/noc22_cs92/preview</a>   |
| 13.  | noc22-cs95  | Introduction To Industry 4.0 And Industrial Internet Of Things | 12 Weeks         | Jul 25, 2022  | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs95/preview">https://onlinecourses.nptel.ac.in/noc22_cs95/preview</a>   |
| 14.  | noc22-cs98  | Natural Language Processing                                    | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs98/preview">https://onlinecourses.nptel.ac.in/noc22_cs98/preview</a>   |
| 15.  | noc22-cs103 | Programming In Modern C++                                      | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs103/preview">https://onlinecourses.nptel.ac.in/noc22_cs103/preview</a> |
| 16.  | noc22-cs104 | Real-Time Systems  | 12 Weeks         | Jul 25, 2022  | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs104/preview">https://onlinecourses.nptel.ac.in/noc22_cs104/preview</a> |
| 17.  | noc22-cs109 | C-Based VLSI Design  | 12 Weeks         | Jul 25, 2022  | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs109/preview">https://onlinecourses.nptel.ac.in/noc22_cs109/preview</a> |

|     |             |  |          |              |              |   |
|-----|-------------|--|----------|--------------|--------------|---|
| 18. | noc22-cs113 | Secure Computation: Part II                          | 12 Weeks | Jul 25, 2022 | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs113/preview">https://onlinecourses.nptel.ac.in/noc22_cs113/preview</a> |
| 19. | noc22-cs116 | Algorithmic Game Theory                              | 12 Weeks | Jul 25, 2022 | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs116/preview">https://onlinecourses.nptel.ac.in/noc22_cs116/preview</a> |
| 20. | noc22-cs117 | Social Network Analysis                              | 12 Weeks | Jul 25, 2022 | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs117/preview">https://onlinecourses.nptel.ac.in/noc22_cs117/preview</a> |
| 21. | noc22-cs120 | Statistical learning for Reliability Analysis        | 12 Weeks | Jul 25, 2022 | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs120/preview">https://onlinecourses.nptel.ac.in/noc22_cs120/preview</a> |
| 22. | noc22-cs121 | Social Networks                                      | 12 Weeks | Jul 25, 2022 | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs121/preview">https://onlinecourses.nptel.ac.in/noc22_cs121/preview</a> |
| 23. | noc22-cs124 | Deep Learning - IIT Ropar                            | 12 Weeks | Jul 25, 2022 | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs124/preview">https://onlinecourses.nptel.ac.in/noc22_cs124/preview</a> |
| 24. | noc22-cs125 | Design & Implementation of Human-Computer Interfaces | 12 Weeks | Jul 25, 2022 | Oct 29, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs125/preview">https://onlinecourses.nptel.ac.in/noc22_cs125/preview</a> |
| 25. | noc22-cs126 | Computational Complexity                             | 12 Weeks | Jul 25, 2022 | Oct 30, 2022 | <a href="https://onlinecourses.nptel.ac.in/noc22_cs126/preview">https://onlinecourses.nptel.ac.in/noc22_cs126/preview</a> |

Department of Computer Science and Engineering  
PHOTOS

Venue: Lab-3

Date & Time: 18.08.2022 & 10:00 AM

