

**DEPARTMENT OF COMPUTER TECHNOLOGY**

**NALLAMUTHU GOUNDER MAHALINGAM COLLEGE**

**POLLACHI - 642001**

**12<sup>th</sup> Board of Studies Meeting in the Department of  
Computer Technology**

**Date : 04.06.2022 Time: 10.00 A.M to 2.00 P.M**

**Agenda**

|              |   |                                                                                                                                                                                                             |
|--------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BoS / CT11.1 | : | Welcome address and Opening Remarks by Chairman,<br>Board of studies in offline mode                                                                                                                        |
| BoS / CT11.2 | : | Confirmation of the Minutes of the 12 <sup>th</sup> / Previous meeting<br>of Board of studies in offline mode held on 04.06.2022 and<br>Action taken report of 12 <sup>th</sup> meeting of Board of studies |
| BoS / CT11.3 | : | 11.3.1 Syllabus of I BSc COMPUTER TECHNOLOGY for<br>semester I to VI under Regulation 2022-2025 Batch                                                                                                       |
|              |   | 11.3.2 Syllabus of Value added course                                                                                                                                                                       |
| BoS / CT11.4 | : | Suggestion given by BOS Members                                                                                                                                                                             |

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI

DEPARTMENT OF COMPUTER TECHNOLOGY

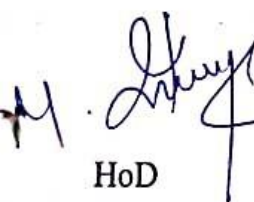
MINUTES OF BOS MEETING

The 12<sup>th</sup> Meeting of the Board of studies of the Department of Computer Technology was held on 04.06.2022 at 10.00 a.m. in Offline mode

1. The following members were present:

|                                                                                                                                      |                    |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Dr.M.RAJASENATHIPATHI<br>Head of the Department<br>Department of computer technology<br>NGM College, Pollachi                        | Chairman           |
| MS. C. KEERTHANA<br>Assistant Professor                                                                                              | Internal Members   |
| MS. K.S. LEELAVATHI<br>Assistant Professor<br>Department of computer technology<br>NGM College, Pollachi                             |                    |
| Dr. R. JAYAPRAKASH<br>Department of computer technology<br>NGM College, Pollachi                                                     |                    |
| MS. A. KALAIVANI<br>Assistant Professor<br>Department of computer technology<br>NGM College, Pollachi                                |                    |
| Dr. Juliana Sunil<br>Associate Professor<br>Department of Information Technology<br>Rathinam College of Arts and Science, Coimbatore | University Nominee |
| Dr. S. Raja<br>Head of the Department<br>Department of CT,<br>Rathinam College of Arts and Science, Coimbatore.                      | Academic Experts   |
| Mr. M. Dinesh<br>Application Development Team Lead<br>Accenture Services Pvt. Ltd.,<br>Chennai Coimbatore                            | Industrial Expert  |

|  |                                                                                                                       |                                         |
|--|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
|  |                                                                                                                       |                                         |
|  | Ms. Kadhambari. A<br>Senior Process Executive,<br>Cognizant Technology Solutions,<br>Coimbatore.                      | Alumnus nominated<br>by Principal / HoD |
|  | Dr. N. Kavitha<br>Associate Professor & Head<br>Dept. of Computer Science<br>Nehru Arts & Science College, Coimbatore | Subject Expert                          |
|  | S. Selva kumar<br>III- CT<br>NGM College<br>Pollachi                                                                  | Student Members                         |
|  | H. Dharshini<br>III- CT<br>NGM College<br>Pollachi                                                                    |                                         |

  
HoD

  
CDC Co-ordinator

  
COE

  
PRINCIPAL  
PRINCIPAL  
NGM COLLEGE, POLLACHI

**M. RAJASENATHIPATHI** M.A.M.C.A.M.P.H.D.  
Head of the Department  
Department of Computer Technology  
NGM College (Autonomous)  
POLLACHI - 642 001.  
BOS/CT 11.3.1

**K. SRINIVASAN, M.C.**  
Co-ordinator  
Curriculum Development Cell (CDC)  
NGM College (Autonomous)  
Pollachi - 642 001.

**R. MANICKA CHEZIAN, M.Sc., M.S., Ph.D.**  
Controller of Examinations  
NGM College (Autonomous)  
POLLACHI - 642 001.

## **I B.Sc. COMPUTER TECHNOLOGY (I to VI SEMESTER)**

### **SEMESTER I**

The following papers from B.Sc., Computer Technology were accepted by the experts fully without further suggestions:

- 22UCT101 – Core I – Programming in C
- 22UCT102 – Core II – Digital Fundamentals and Computer Organization
- 22UCT1A1 – Allied I – Mathematics I – Mathematical structures for Computer Science

### **SEMESTER II**

- 22UCT204 – Core III – JAVA Programming

The presented syllabus was accepted by the experts and a syllabus is interchanged from III Semester to II Semester in-order to removed subject Core III: Object Oriented Programming with C++ in Semester II as Board of Study Members suggested.

- 22UCT206 – Core Lab II – JAVA Programming Lab

The presented syllabus was accepted by the experts and a syllabus is interchanged from III Semester to II Semester in-order to removed subject Core Lab II: Programming in C++ with Data Structures in Semester II as Board of Study Members suggested.

- 22UCT2A2- Allied II – Mathematics II-Operations Research

The presented syllabus was accepted by the experts and a few suggestions were given as follows:

The topic “Simple Problems” is to be added in UNIT III of the same syllabus.

The following papers from B.Sc., Computer Technology were accepted by the experts fully without further suggestions:

- 22UCT205 – Core IV – Data Structures
- 22UCT2A2- Allied II – Mathematics II-Operations Research

### SEMESTER III

- 22UCT307 – Core V – Advanced Java Programming

The presented syllabus was accepted by the experts and a syllabus is interchanged from IV Semester to III Semester in-order to moved subject Core V: Java Programming from III Semester to Semester II as Board of Study Members suggested.

- 22UCT310 – Core Lab III – Advanced Java Programming Lab

The presented syllabus was accepted by the experts and a syllabus is interchanged from IV Semester to III Semester in-order to moved subject Core Lab III: java Programming from III Semester to Semester II as Board of Study Members suggested.

The following papers from B.Sc., Computer Technology were accepted by the experts fully without further suggestions:

- 22UCT308 – Core VI – Database Management System
- 22UCT309 – Core VII – Operating Systems
- 22UCT3A3 – Allied III – Software Engineering
- 22UCT311- LAB IV – Database Management System Lab
- 22UCT3N1/3N2 – Non Major Elective: HTML Lab / Multimedia Lab

### SEMESTER IV

- 22UCT412 – Core VIII – Python Programming

The above New paper was introduced as per expert suggestions and Industry Demand

- 22UCT415 – Core Lab V – Python Programming Lab

The above New paper was introduced as per as Board of Study Members suggested.

As well as Industry Demand.

- 22UCT4A4- Allied IV – Big Data Analytics

The above paper is renamed as Big Data Analytics (New) from Big Data Management (Old Name) as BoS expert suggested.

The following papers from B.Sc., Computer Technology were accepted by the experts fully without further suggestions:

- 22UCT413 – Core IX- Linux and Shell Programming
- 22UCT416- Lab-VI – Linux and shell programming Lab
- 22UCT414 – Core X – Data Communication and Networks
- 22UCT4N3/4N4 – Skill Based Non Major Electives

#### SEMESTER V

- 22UCT5E3- Core Elective I – Fundamentals of Block Chain Technology and Digital Currency  
Introduced instead of Core Elective – I paper Management Information System
- 22UCT5S1/5S2 – R Programming / Scripting Language  
Introduced instead of Skill Based Major Elective - I : Python Lab / HTML5 With CSS Lab .

The above New paper was introduced as per expert suggestions in elective paper list and optional paper for extra credit in advanced learner.

The following papers from B.Sc. Computer Technology were accepted by the experts fully without further suggestions:

- 22UCT517 – Core XI – Open source Technologies
- 22UCT518 – Core XII – Information Security
- 22UCT5E1/5E2- Core Elective I – Cloud Computing / Embedded Systems
- 22UCT5AL –Advanced Learner course-1-Software Testing

#### SEMESTER VI

- 22UCT6E5/6E6 - Core Elective III – Ethical Hacking/ Machine Learning Techniques are introduced instead of papers in Elective list, Underwater Communication and Digital Image processing as per expert suggestions.

- 22UCT6AL –Advanced Learner course- II-Digital marketing new course was introduced instead of Data Analytics as per expert suggestions optional paper for extra credit in advanced learner.
- 22UCT6S1/6S2 – Skill Based Elective II – Desktop Publishing Lab / Animation Lab new course was introduced instead of Data Analytics ( Big Data) and Dreamweaver Lab.

The following papers from B.Sc. Computer Technology were accepted by the experts fully without further suggestions:

- 22UCT6E1/6E2/6E3- Core Elective II – Mobile Computing /Software Project Management / Grid Computing
- 22UCT6E4 - Core Elective III – Artificial Intelligence
- 22UCT621 – Core XIII – Framework Technologies
- 22UCT622 – Core Lab IX – Framework Technologies
- 22UCT623 – Project

These changes have been made effect for the students admitted in 2022-2025 with SEMESTER NO. I TO VI accordingly.

#### BoS/CT 12.4 SUGGESTIONS GIVEN BY THE BoS MEMBERS

12.4.1: Introduce papers related to research and methodologies

12.4.2: Introduce papers related to Management problem solving task

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

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

- a) The syllabus of First Year Computer Technology under Regulation 2022.

Members Present:

|                                                                                                                                   |                                |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Chairman</b>                                                                                                                   |                                |
| Dr.M.RAJASENATHIPATHI<br>Head of the Department<br>Department of Computer Technology<br>NGM College,Pollachi                      | M. Rajaseenathipathi<br>4/6/22 |
| <b>Internal Members</b>                                                                                                           |                                |
| MS. C. KEERTHANA<br>Assistant Professor<br>Department of Computer Technology<br>NGM College,Pollachi                              | C. Keerthana<br>4/6/22         |
| MS. K.S. LEELAVATHI<br>Assistant Professor<br>Department of computer technology<br>NGM College,Pollachi                           | K.S. Leelavathi<br>4/6/22      |
| Dr. R. JAYAPRAKASH<br>Department of Computer Technology<br>NGM College,Pollachi                                                   | Dr. R. Jayaprakash<br>4/6/22   |
| MS. A. KALAIVANI<br>Assistant Professor<br>Department of Computer Technology<br>NGM College, Pollachi                             | MS. A. Kalavani<br>4/6/22      |
| <b>University Nominee</b>                                                                                                         |                                |
| Dr.JulianaSunil<br>Associate Professor<br>Department of Information Technology<br>Rathinum College of Arts and Science,Coimbatore | Dr. Juliana Sunil<br>4/6/22    |
| <b>Academic Experts</b>                                                                                                           |                                |
| Dr. S. Raja<br>Head, Department of CT,<br>Rathinam College of Arts and Science, Coimbatore                                        | Dr. S. Raja<br>04/06/2022      |
| <b>Industrial Experts</b>                                                                                                         |                                |
| Mr. M. Dinesh<br>Application Development Team Lead<br>Accenture Services Pvt. Ltd.,<br>Chennai                                    | Mr. M. Dinesh<br>04/06/2022    |

|                                                                                                                       |                                                     |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Alumnus nominated by Principal / HoD</b>                                                                           |                                                     |
| Kadhambari. A<br>Senior Process Executive,<br>Cognizant Technology Solutions,<br>Coimbatore.                          | <i>A Kadhambari</i><br>4/6/2022                     |
| <b>Subject Expert</b>                                                                                                 |                                                     |
| Dr. N. Kavitha<br>Associate Professor & Head<br>Dept. of Computer Science<br>Nehru Arts & Science College, Coimbatore | <i>Dr. N. Kavitha</i><br>4/6/2022<br>DR. N. KAVITHA |
| <b>Student Members</b>                                                                                                |                                                     |
| S. Selva kumar<br>III- CT<br>NGM College<br>Pollachi                                                                  | <i>S. Selva kumar</i><br>4/6/22                     |
| H. Dharshini<br>III- CT<br>NGM College<br>Pollachi                                                                    | <i>H. Dharshini</i><br>4/6/22                       |

*M. Rajasenathipathi*  
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*Dr. R. Muthukumar*  
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