DEPARTMENT OF COMPUTER TECHNOLOGY

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI - 642001

16th Board of Studies Meeting in the Department of Computer Technology

Date & Time: **07.03.2026 & 10.00 A.M to 2.00 P.M**

Agenda

BoS / CT 16.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the DEPARTMENT OF COMPUTER TECHNOLOGY.
BoS / CT 16.2	:	Confirmation of the Minutes of the 15th / Previous meeting of Board of studies in the DEPARTMENT OF COMPUTER TECHNOLOGY held on 07.03.2026 and Action taken report of 15th meeting of Board of studies
BoS / CT 16.3	:	16.3.1 Syllabus of I BSc COMPUTER TECHNOLOGY under Regulation 2026
		16.3.2 Syllabus of II BSc COMPUTER TECHNOLOGY under Regulation 2026
		16.3.3 Syllabus of III BSc COMPUTER TECHNOLOGY under Regulation 2026
		16.3.4 Syllabus Ratification of II B.Sc COMPUTER TECHNOLOGY (Batch : 2024-2027) for semester V to VI under Regulation 2026.
		Any other Discussions if any
BoS / CT 16.4	:	Suggestion given by BOS Members
BoS / CT 16.5	:	Any other items

16 – Number of BOS Meeting

CT – Computer Technology (CT – Computer Technology / CT 16.1)

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI

DEPARTMENT OFCOMPUTER TECHNOLOGY

MINUTES OF BOS MEETING

The 16th Meeting of the Board of studies of the DEPARTMENT OFCOMPUTER TECHNOLOGY was held on 07.03.2026 at 10.00 a.m. in the DEPARTMENT OFCOMPUTER TECHNOLOGY, NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, POLLACHI.

1. The following members were present:

1	Dr.M.Rajasenathipathi Head of the Department Department of Computer Technology NGMCollege,Pollachi	Chairman
2	Dr. C. Keerthana Assistant Professor Department of Computer Technology NGM College, Pollachi	Internal Members
3	Dr. K. S. Leelavathi Assistant Professor Department of Computer Technology NGM College, Pollachi	
4	Dr. R. Jayaprakash Assistant Professor Department of Computer technology NGM College, Pollachi	
5	Dr. A. Kalaivani Assistant Professor Department of Computer Technology NGM College, Pollachi	
6	Dr. P.Tamilselvan Associate Professor Department of Computer Science Karpagam Academy of Higher Education Coimbatore 641021	University Nominee
7	Dr. T. Velumani Assistant Professor& Head Department of IT Rathinam College of Arts & Science, Coimbatore.	Academic Experts

8	Dr. B. Manimekala Assistant Professor Department of Computer Science , Christ University, Yeshwanthpur Campus, Bangalore.	
9	Mr. S. Dhineshkumar Bimamitra Software Pvt. Ltd., Vadavalli, Coimbatore	Industrial Expert
10	Mr. S.Kavieswaran Student, M.Sc., Information Technology, Sri Krishna College of Arts & Science, Coimbatore	Alumnus nominated by Principal / HoD
11	A. Sangeerthana (23-CT- 49) III- CT NGM College Pollachi	Student Members
12	M. Sarveshini(23-CT-50) III- CT NGM College Pollachi	

HoD

Dr. M. RAJASENATHIPATHI M.A.,M.C.A.,M.Phil.,Ph.D.
Head of the Department
Department of Computer Technology
Nallamuthu Gounder Mahalingam College (Autonomous)
POLLACHI - 642 001.

CDC Co-ordinator

Dr. T.E. Manjulavalli, M.Sc.,M.Phil.,Ph.D.,
Associate Professor and Head
PG & Research Department of Physics
NGM College (Autonomous)
Pollachi - 642 001, Tamil Nadu.

PRINCIPAL

Dr. R. MANICKA CHEZIAN M.Sc.,M.S.,Ph.D.,
PRINCIPAL i/c
Nallamuthu Gounder Mahalingam College
Pollachi - 642 001, Coimbatore District.

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE POLLACHI

BoS/CT 16.1 WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF COMPUTER TECHNOLOGY ,The Chairman, BoS of the DEPARTMENT OF COMPUTER TECHNOLOGY welcomed and introduced the members of 16th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.

BoS/CT 16.2 TO CONFIRM THE MINUTES OF 15th BOS MEETING HELD ON 01.03.2025. The minutes of the 15th Board of Studies meeting held on 01.03.2025 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 32th Academic council.

~ Action Taken Report (Enclosed in Annexure 1)

BoS/CT 16.3

BoS/CT 16.3.1

I BSc COMPUTER TECHNOLOGY (I & II SEMESTER)

- **26UCT101 - CC I -** Problem Solving Techniques using C

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

  The Board reviewed the course titles in Semester I to ensure that better reflect the focus on computational thinking and analytical problem-solving skills expected from students at the foundational level. Based on the recommendations of the Subject Experts, it was proposed that the course Programming in C (25UCT101 – CC I) be **renamed as** Problem Solving Techniques using C (26UCT101 – CC I) in order to emphasize the development of structured problem-solving approaches using the C programming language.

- **26UCT102 – CC II - Data Structures**

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

  Based on the suggestions and academic recommendations of the Subject Experts, the Board discussed the alignment of programming concepts with analytical problem-solving skills. It was proposed that the course Foundations of Computer Technology (25UCT102) presently offered in Semester I be replaced with Data Structures (25UCT205), which was originally scheduled in Semester II.

  The experts recommended that introducing Data Structures (26UCT102 – CC II) in Semester I would strengthen students' understanding of C Programming concepts and algorithmic thinking, thereby enabling better integration of programming fundamentals with **data organization techniques**.

Further, it was suggested that the basic concepts covered in Foundations of Computer Technology may be incorporated as part of a Bridge Course conducted at the beginning of the programme to support newly admitted students.

After detailed discussion, the Board approved the restructuring, whereby Data Structures (25UCT205) will be offered in Semester I, and the contents of Foundations of Computer Technology (25UCT102) will be delivered through the Bridge Course for first-year students.

- **26UCT206 – CC Lab II: Object Oriented Programming with Java Lab**

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

Similarly, the corresponding laboratory course Java Programming Lab **(25UCT206 – CC Lab II)** was also renamed as **Object Oriented Programming with Java Lab (26UCT206 – CC Lab II)** to align with the revised theory course.

The Board discussed and **approved the above revisions for implementation from the 2026–2029 batch.**

The following papers from COMPUTER TECHNOLOGY were accepted by the experts fully without further suggestions:

- **26UCT1A2 – Allied I: Mathematical Structures for Computer Science**

Further, the Board reviewed the course Mathematical Structures for Computer Science **(25UCT1A2 – GE I: Allied I)** and recommended that the course **may be retained with the same content and structure**, and it will continue to be offered as **26UCT1A2 – GE I: Allied I: Mathematical Structures for Computer Science** for the **Batch 2026–2029.**

- **26EVS103 – AECC I: Environmental Studies**

The Board reviewed the **AECC** course **Environmental Studies** (25EVS201) offered in Semester I. It was decided to retain the course without any change in the syllabus considering its importance for environmental awareness among students. The revised course coding pattern for the 2026–2029 batch, the course will be renumbered as Environmental Studies **(26EVS103)**. The Board unanimously approved the continuation of the course with the revised course code for Semester I.

- **26UCT2A1/26UCT2A2 - Allied I: Mathematics II – Operations Research/ Statistics**

  The Board reviewed the Allied courses offered in Semester II. After discussion, it was decided that the courses **Mathematics II – Operations Research** (25UCT2A1 – GE II: Allied II) and **Statistics** (25UCT2A2 – GE II: Allied II) will be **retained** without any change in the syllabus. However, as per the revised course coding for the 2026–2029 batch, they will be offered as **26UCT2A1** and **26UCT2A2** respectively in Semester II.

- **26UCT2S1 / 26UCT2S2: Skill Enhancement Course SEC I – Naan Mudhalvan: Data Visualization Tools / Professional Skills**

  The Subject Expert suggested that the course 25UCT2S1 – Skill Enhancement Course SEC I – NaanMudhalvan: Data Visualization Tools and 25UCT2S2 – Skill Enhancement Course SEC I – Naan Mudhalvan: Professional Skills will be **retained** without any change in the syllabus and revised course coding for the **2026–2029 batch**, will be offered as**26UCT2S1**and **26UCT2S2** respectively in **Semester II.**

The following courses were revised with **minor modifications**

- **26UCT103 – CC Lab I -** Problem Solving Techniques using C Lab

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

  Similarly, the corresponding laboratory course Programming in C Lab (25UCT103 – CC Lab I) was recommended to be **renamed as** Problem Solving Techniques using C Lab. (26UCT103 – CC Lab I) to align with the revised theory course title and to highlight the practical implementation with addition of problem-solving techniques through Data Structure Concepts exercises.

- **26UCT1A1 - Allied I: Discrete Mathematics**

  The presented syllabus was accepted by the experts and **minor modifications** were given as follows:

  The Board reviewed the structure and relevance of the Allied / Generic Elective courses offered in **Semester I**. Based on the academic recommendations of the **University Nominee**, it was proposed that the course Mathematics – I: Vedic

Methods and Discrete Mathematics **(25UCT1A1 –Allied I)** be revised to focus more specifically on mathematical concepts that directly support computing and programming foundations. (Two Units of Vedic Mathematics removed from previous Course 25UCT1A1)

Accordingly, the Board recommended that the course be **replaced with Discrete Mathematics (26UCT1A1)**, as discrete mathematical concepts such as logic, sets, relations, functions, and combinatorics form the theoretical basis for various computer science subjects including programming, algorithms, and data structures. This change was suggested to strengthen the mathematical foundation required for computer science students and to ensure better alignment with the programme outcomes.

- **26UCT204 – CC III: Object Oriented Programming with Java**

The presented syllabus was accepted by the experts and **minor modifications** were given as follows:

The Board reviewed the course Java Programming **(25UCT204 – CC III)** and, based on the recommendation of the **Subject Expert**; it was proposed to **rename the course** as Object Oriented Programming with Java **(26UCT204 – CC III)** to emphasis on object-oriented programming concepts implemented using Java. Few suggestions were made in Unit I, II, III and V of previously offered course 25UCT204.

- **26UCT205 – CC IV: Computer Networks**

The presented syllabus was accepted by the experts and **minor modifications** were given as follows:

Based on the suggestion of the **Subject Expert**, the Board approved the restructuring of certain core courses. The course Data Structures (25UCT205 – CC IV) has been moved to Semester I and will be offered as Data Structures (26UCT102 – CC II) to strengthen programming fundamentals at the early stage. Consequently, the course Computer Networks (25UCT4A1 – GE IV: Allied IV in Semester IV) has been **shifted to Semester II** and will be offered as Computer Networks **(26UCT205 – CC IV)**. The Board approved these changes to ensure a better logical progression of subjects in the curriculum.

Based on the suggestion of the **Industry Expert** and **Alumnus**, the Board reviewed the syllabus of **Computer Networks (26UCT205 – CC IV)**. It was recommended that Unit IV and Unit V contents be revised, where only few important routing algorithms will be covered in Unit IV and selected application layer topics will be retained in Unit V. This revision was made to avoid content overload and to provide more focus on core concepts and practical understanding for undergraduate students. The Board approved the modification in the syllabus structure.

- **Introduction of New Course: Gandhian Thought**

  Inclusion of Gandhian Thought: It is proposed to introduce Gandhian Thought as a Certificate course in the First Semester for all students admitted from the academic year 2026–2027 onwards.

BoS/CT 16.3.2

II BSc COMPUTER TECHNOLOGY (III & IV SEMESTER)

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

- **26UCT307 – CC V: Python Programming**
- **26UCT309 - CC lab III: Python Programming Lab**

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

  Based on the recommendation of the **Subject Expertand Industry Expert**, the Board reviewed the courses offered in Semester III. The course Advanced Java Programming (25UCT307 – CC V) and its laboratory Advanced Java Programming Lab (25UCT309 – CC Lab III) were **removed** from Semester III. Further, the courses **Python Programming** (25UCT411 – CC VII) and **Python Programming Lab** (25UCT413 – CC Lab V) from Semester IV were moved to Semester III and will be offered as **26UCT307 – CC V and 26UCT309-CC lab III** respectively. The Board approved this change to introduce Python programming concepts earlier in the curriculum.

- **26GKL301 - General Awareness (Self Study) with 1 Credit Course**

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

  26GKL301 - General Awareness (Self Study) in Semester III. The Board resolved that the course 25GKL501 – General Awareness (Self Study) (With Grade), previously offered in Semester V, will be moved to Semester III with the revised course code 26GKL301, based on the suggestion of the Curriculum Development Committee (CDC) to ensure better distribution of self-study components across the programme.

- **26UCT412 – CC VIII: Operating Systems**

  The Board discussed the revision of the course structure and resolved that the course 25UCT3A1 – GE III: Allied III – Operating Systems, previously offered in **Semester III, will be moved to Semester IV** with the revised course code 26UCT412 – CC VIII: Operating Systems, in place of 25UCT412 – CC VIII:

Linux Programming. The members of the Board reviewed and approved the proposed change.

The following papers from COMPUTER TECHNOLOGY were **accepted** by the experts fully **without further suggestions**:

- **26UCT308 – CC VI - Database Management Systems**
- **26UCT310 – CC Lab IV - Database Management Systems Lab**

  Based on the recommendation of the **University Nominee**, the Board reviewed the courses **Database Management Systems** (25UCT308 – CC VI) and **Database Management Systems Lab** (25UCT310 – CC Lab IV) offered in Semester III. After discussion, it was decided that these courses will **remain unchanged** in content and structure, and they will continue in Semester III with revised course codes **26UCT308 – CC VI and 26UCT310 – CC Lab IV** for the 2026–2029 batch.

- **26UCT3N1 – NME I: Office Automation Lab**

  26UCT3N2 – NME II: Multimedia Lab

  The Board reviewed the Non-Major Elective Paper I offered in Semester III. It was decided that Office Automation Lab (25UCT3N1) and Multimedia Lab (25UCT3N2) will **remain unchanged** in content for the Batch 2026–2029. However, as per the revised course coding pattern, they will be offered as **Office Automation Lab (26UCT3N1)** and **Multimedia Lab (26UCT3N2)** in Semester III.

- **26UCT413 – CC Lab V: Linux Programming Lab**

  The Board discussed the restructuring of courses and resolved that 25UCT413 – CC Lab V: Python Programming Lab, earlier offered in **Semester IV**, will be **shifted to Semester III** for the batch 2026–2029 with revised course codes 26UCT309 – CC Lab III: Python Programming Lab.

  Further, lab course 25UCT414 – CC Lab VI: **Linux Programming Lab** will be offered as **26UCT413 – CC Lab V** in the same semester. The Board members approved the changes.

- **26UCT4A2– GE IV: Allied IV** - Software Testing

  The Board resolved that the course 25UCT4A2 – **GE IV: Allied IV: Software Testing** will continue to be offered in Semester IV with the revised course code **26UCT4A2**, without any change in the course content.

- **26UCT4S2: SEC II: Naan Mudhalvan: Desktop Publishing Lab**

  The Board resolved that the course 25UCT4S2 – SEC II: **Desktop Publishing Lab** will continue to be offered in Semester IV with the revised course code 26UCT4S2, without any change in the course structure.

- **26UCT4N1 / 26UCT4N2:NME II: Scripting Languages Lab / Pencil 2D**

  The Board resolved that the courses 25UCT4N1 and 25UCT4N2 – **SEC: Non-Major Elective Paper II – Scripting Languages Lab and Pencil 2D** will continue to be offered in Semester IV with the revised course codes **26UCT4N1 and 26UCT4N2**, without any change in the course content.

The following courses were revised with **minor modifications.**

- **26UCT4A1 – GE IV: Allied IV - Artificial Intelligence and Machine Learning**

  The presented syllabus was accepted by the experts and **minor modifications** were given as follows:

  The Board discussed the revision of courses and resolved that 25UCT4A1 – GE IV: Allied IV – Computer Networks, previously offered in **Semester IV, will be moved to Semester II.** In its place, the course **Artificial Intelligence and Machine Learning**, earlier offered as a Core Elective (25UCT5E1) in Semester V, has been introduced in Semester IV with the revised course code 26UCT4A1 – GE IV: Allied IV and Few suggestions were made in Unit IV and V of this syllabus. The members of the Board reviewed and approved the proposed changes.

- **26UCT411 – CC VII: Linux Programming**

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

  Further, 25UCT412 – CC VIII: Linux Programming will continue in Semester IV with the revised code **26UCT411 – CC VII: Linux Programming**. The Board

members approved the few suggestions were made in Unit IV and V of this syllabus.

The Board discussed the restructuring of courses and resolved that 25UCT411 – CC VII: Python Programming , earlier offered in **Semester IV**, will be **shifted to Semester III** for the batch 2026–2029 with revised course codes 26UCT307 – CC V: Python Programming.

New Course Added:

The following papers from COMPUTER TECHNOLOGY were accepted by the experts fully as **New Courses.**

- **26UCT3A1: Allied III :** Software Engineering
- **26UCT3A2: Allied III :**Organizational Behaviour

The Board discussed the revision of courses in Semester III. Based on the suggestion of the Board members, the course **25UCT3A1 – GE III: Allied III – Operating Systems** has been **moved to Semester IV** as **26UCT412 – CC VIII.** In its place, **a new course Software Engineering** has been introduced in Semester III with the course code **26UCT3A1 – Allied Course.**

Further, the course **25UCT3A2 – Fundamentals of Blockchain Technology,** previously offered in Semester III, has been moved to Semester V as a Core Elective with the revised code **26UCT5E3.** Consequently, **a new course Organizational Behaviour** has been introduced in Semester III with the code **26UCT3A2 – Allied Course.** The members of the Board reviewed and approved the proposed changes.

- **26UCT414 – CC Lab VI: No Code Interface Development (Wix/Framer)**

Based on the recommendation of the **Industry Expert,** the Board resolved that the course 25UCT414 – CC Lab VI: Linux Programming Lab will be offered in Semester IV with the revised course code 26UCT413 – CC Lab V. Further, a **New Laboratory Course** titled **26UCT414 – CC Lab VI: No Code Interface Development (Wix/Framer)** has been introduced in Semester IV, aligned with current industry trends. The members of the Board reviewed and approved the proposed changes.

- **26UCT4S1 – SEC II: Naan Mudhalvan: Interactive Data Science Lab using Jupyter Notebook**

  Based on the recommendation of the **Subject Expert**, the Board resolved that the course 25UCT4S1 – SEC II: Naan Mudhalvan – R Programming Lab will be replaced with a **New Laboratory Course**titled **26UCT4S1 – SEC II: Interactive Data Science Lab using Jupyter Notebook**. This course has been introduced based on the suggestion of the Board members to familiarize students with modern interactive computing environments widely used in data science and machine learning.

BoS/CS 16.3.3

III BSc COMPUTER TECHNOLOGY (V & VI SEMESTER)

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

- **26UCT5E2: DSE I: Virtual Reality**
  The presented syllabus was accepted by the experts and a few suggestions were given as follows:

  The Board reviewed the elective courses and resolved that 25UCT5E2 – DSE I: Cloud Computing offered in Semester V will be shifted to Semester VI with the revised course code 26UCT6E7 to provide students with stronger foundational knowledge before undertaking advanced cloud concepts. In its place, the course Virtual Reality, previously offered in Semester VI (25UCT6E7), has been moved to Semester V with the revised course code 26UCT5E2 – DSE I. This change was suggested by the University Nominee and subject experts to align the curriculum with emerging technologies and current industry requirements. The Board members discussed and approved the proposed restructuring of the elective courses.

- **26UCT5E3: DSE I: Fundamentals of Blockchain Technology**
  The presented syllabus was accepted by the experts and a few suggestions were given as follows:

  The Board reviewed the elective courses and resolved that 25UCT5E3 – Computer Vision will be removed from the curriculum, considering the overlap of its concepts with other courses in Artificial Intelligence and Machine Learning already included in the programme. Based on the suggestion of the **University Nominee, subject experts, and industry representative**, it was recommended to introduce more emerging and interdisciplinary technologies in the elective basket. Accordingly, the course **Fundamentals of Blockchain Technology, previously offered in Semester III as 25UCT3A2 – Allied Course, has been moved and introduced as a Core Elective Course in Semester V** with the revised code **26UCT5E3 – DSE I**. The Board members discussed and approved the proposed

changes to enhance students' exposure to emerging technologies relevant to industry and research.

- **26UCT5S1 SEC III: Mobile Application Development Lab**

  Based on the recommendations of **Subject Experts and Industry Expert**, the **Mobile Application Development Lab (26UCT5S1 – SEC III)** has been introduced to align the curriculum with enhances students hands-on experience in mobile UI design, app development, and deployment, improving their employability and technical competency. and **removed** Framework Technologies Lab (25UCT5S1 – SEC III).

- The Board resolved that the course **25GKL501 – General Awareness (Self Study),** previously offered in Semester V, will be **moved to Semester III** with the revised course code 26GKL301, based on the suggestion of the **Curriculum Development Committee** (CDC) to ensure better distribution of self-study components across the programme. The members of the Board reviewed and approved the proposed change.

- **26UCT6E7 – DSE III: Cloud Computing**

  The Board reviewed the DSE III elective courses in Semester VI and resolved to realign them for better curriculum progression. The course 25UCT6E7 – Virtual Reality has been moved to Semester V with the revised code 26UCT5E2. In its place, 25UCT5E2 – Cloud Computing offered earlier in Semester V has been shifted to Semester VI with the revised code 26UCT6E7.

The following papers from COMPUTER TECHNOLOGY were accepted by the experts **fully without further** suggestions:

- **26UCT515 - CC IX: Open Source Technologies (PHP & MySQL)**
- **26UCT516 - CC X: Information and Cyber Security**

  The Board resolved that the courses 25UCT515 – **CC IX: Open Source Technologies (PHP & MySQL)** and 25UCT516 – **CC X: Information and Cyber Security** will continue to be offered in Semester V with the revised course codes **26UCT515** and **26UCT516**, without any change in the course content.

- **26UCT517 - CC Lab VII: Open Source Technologies (PHP & MySQL) Lab**
- **26UCT518– CC Lab VIII: Web Designing Lab**
- **26UCT5S2 – SEC III: UI/UX Programming Lab**

The Board resolved that the laboratory courses 25UCT517 – **CC Lab VII: Open Source Technologies (PHP & MySQL) Lab,** 25UCT518 – **CC Lab VIII: Web Designing Lab**, and 25UCT5S2 – **SEC III: UI/UX Programming Lab** will continue to be offered in Semester V with the revised course codes **26UCT517 – CC Lab VII, 26UCT518 – CC Lab VIII, and 26UCT5S2– SEC III,** respectively, without any change in the course content.

- **26UCT6AL: ALC** I: (Optional) Self Study – **Digital Marketing**

The Board resolved that the course 25UCT5AL – **ALC** I: (Optional) Self Study – **Digital Marketing** will continue to be offered with the revised course code **26UCT6AL,** without any change in the course content.

- **26UCT5E4 – DSE II: Software Project Management**
- **26UCT5E5 – DSE II: Data Analytics**

The Board reviewed the Core Elective courses offered in Semester VI and resolved to realign the course codes for better course organization. Accordingly, 25UCT6E4 – Data Analytics and 25UCT6E5 – Software Project Management will be offered with revised course codes **26UCT6E5 – Data Analytics** and **26UCT6E4 – Software Project Management**, respectively.

- **26UCT6E9 – DSE III: Mobile Computing**

The Board reviewed the DSE III elective courses in Semester VI and Further, the courses 25UCT6E9 – Mobile Computing will continue in Semester VI with revised codes 26UCT6E9. This restructuring was suggested by the **University Nominee and subject expert** to ensure better alignment of mobile technology electives with students' learning progression and industry relevance. The Board members discussed and approved the changes.

- **26UCT621 - CC Lab X: Cloud Workspace Lab**

The Board resolved that the course 25UCT621– **CC Lab X: Cloud Workspace Lab** will continue to be offered in Semester VI with the revised course code **26UCT621**, without any change in the course content.

- **26UCT6S1/26UCT6S2 - SEC IV: Naan Mudhalvan – MERN Stack Development Lab / Animation Lab**

  The Board resolved that the courses 25UCT6S1 & 25UCT6S2 – **SEC IV: Naan Mudhalvan – MERN Stack Development Lab / Animation Lab** will continue to be offered in Semester VI with the revised course codes **26UCT6S1** and **26UCT6S2**, without any change in the course content.

- **26UCT622 – Project** - The Board resolved that the course 25UCT622 – **Project** will continue to be offered in Semester VI with the revised course code **26UCT622**, without any change in the course structure.

The following courses were revised with **minor modifications.**

- **26UCT6E8 – DSE III: Internet of Things**
- The presented syllabus was accepted by the experts and **minor modifications** were given as follows:

  The Board reviewed the DSE III elective courses in Semester VI and Further, the courses 25UCT6E8 – Internet of Things will continue in Semester VI with revised codes 26UCT6E8. This restructuring was suggested by the **University Nominee and subject expert** to ensure better alignment of advanced technology electives with students' learning progression and industry relevance and the contents of Unit IV and Unit V have been merged and revised, and advanced Industrial IoT topics have been introduced in Unit V to reflect current technological developments. The Board members discussed and approved the changes.

New Course Added:

The following papers from COMPUTER TECHNOLOGY were accepted by the experts fully without further suggestions

- **26UCT5E1: DSE I: Prompt Engineering**

  The Board noted that the course 25UCT5E1 – DSE I: Artificial Intelligence and Machine Learning has been moved to Semester IV as 26UCT4A1 – GE IV: Allied IV. In its place, a **new course titled Prompt Engineering (26UCT5E1 –**

DSE I) has been introduced in Semester V. This course has been introduced based on the suggestion of the **University Nominee and subject experts** to equip students with emerging skills in designing and optimizing prompts for generative AI systems, which are increasingly relevant in industry and research. The members of the Board discussed and approved the proposal.

- **26UCT619 – CC XI: Framework Technologies**

  26UCT620 – CC Lab IX: Framework Technologies Lab

  The Board reviewed the courses offered in Semester VI and resolved that 25UCT619 – CC XI: Mobile Application Development and 25UCT620 – CC Lab IX: Mobile Application Development Lab will be **removed from the curriculum**. Based on the suggestion of the **University Nominee, subject experts, and industry representative**, it was recommended to introduce courses that align with current industry demand and enhance students' employability skills in enterprise application development. Accordingly, **a new course 26UCT619 – CC XI: Framework Technologies** and the corresponding **new laboratory course26UCT620 – CC Lab IX: Framework Technologies Lab** have been introduced in Semester VI. The members of the Board discussed and approved the proposed changes.

- **26UCT5E6 – DSE II: Edge Computing**

  Further, the course 25UCT6E6 – Grid Computing has been removed from the curriculum considering the reduced industry adoption of grid-based architectures. Based on the suggestion of the **subject expert, a new course** titled **26UCT6E6 – Edge Computing** has been introduced in its place to familiarize students with modern distributed computing paradigms widely used in IoT and real-time data processing environments. The members of the Board discussed and approved the proposed changes.

- **26UCT6AL – ALC II: Agentic AI Systems (Self Study)**

  The Board resolved that the course 25UCT6AL – ALC II: Data Mining and Warehousing be removed from the curriculum. Based on the **suggestion of the subject expert, a new course 26UCT6AL – ALC II: Agentic AI Systems (Self Study)** has been introduced, covering concepts related to autonomous AI agents

and modern AI system architectures, thereby updating the curriculum to align with current industry trends and emerging technological developments.

- **Massive Open Online Course (MOOC) through the SWAYAM or NPTEL**

  Based on the suggestion of the **Curriculum Development Committee (CDC)** to ensure better self-study components across the programme, Completion of **at least one approved Massive Open Online Course (MOOC) through the SWAYAM platform or NPTEL is mandatory for all students as part of the programme requirements.**

  Students shall successfully complete the course and obtain certification within the stipulated period. The credits earned through these online courses shall be considered as per the institutional norms and regulations.

  This initiative aims to promote self-paced learning, interdisciplinary exposure, industry-relevant knowledge, and lifelong learning competencies among students.

These changes have been made effect for the students admitted in 2026 with 6 Semesters accordingly.

BoS/CT 16.4 SUGGESTIONS GIVEN BY THE BoS MEMBERS

16.4.1: Emphasize to offer MOOC / NPTEL/SWAYAM courses with credit transfer options in Curriculum.

16.4.2: Introduce courses like Industry IoT and to exposure practical knowledge on AI techniques in Laboratory.

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 B.Sc., COMPUTER TECHNOLOGY under Regulation 2026.

b) The syllabus of Second Year B.Sc., COMPUTER TECHNOLOGY under Regulation 2026.

c) The syllabus of Third Year B.Sc., COMPUTER TECHNOLOGY under Regulation 2026.

d) Any other discussion

Members Present:

Chairman	
Dr. M. Rajasenathipathi Head of the Department Department of Computer Technology NGM College, Pollachi	Chair Person Board of Studies in B.Sc. CT (SF) Nallamuthu Gounder Mahalingam College (Autonomous) Pollachi - 642 001
Internal Members	
Dr. C. Keerthana Assistant Professor Department of Computer Technology NGM College, Pollachi	7/3/26
Dr. K. S. Leelavathi Assistant Professor Department of Computer Technology NGM College, Pollachi	7/3/26
Dr. R. Jayaprakash Department of Computer Technology NGM College,Pollachi	7/3/26 Dr. R.JAYAPRAKASH, MCA., M.Phil., Ph.D., Assistant Professor Department of Computer Technology Nallamuthu Gounder Mahalingam College (Autonomous) POLLACHI - 642 001.
Dr. A. Kalaivani Assistant Professor Department of Computer Technology NGM College, Pollachi	
University Nominee	
Dr. P.Tamilselvan Associate Professor Department of Computer Science Karpagam Academy of Higher Education Coimbatore 641021	7/3/26 University Nominee Board of Studies in B.Sc. CT (SF) Nallamuthu Gounder Mahalingam College (Autonomous) Pollachi - 642 001
Academic Experts	
Dr. T. Velumani Assistant Professor & Head Department of IT Rathinam College of Arts & Science, Coimbatore.	7/3/26 Dr. T. VELUMANI, M.Sc(CS).,M.Phil.,Ph.D Assistant Professor & Research Supervisor Department of Computer Science Rathinam College of Arts and Science (Autonomous) Coimbatore - 641 021.

DEPARTMENT OF COMPUTER TECHNOLOGY ★ NGM COLLEGE

Dr. B. Manimekala Assistant Professor Department of Computer Science , Christ University, Yeshwanthpur Campus, Bangalore	Subject Expert Board of Studies in B.Sc. CT (SF) Nallamuthu Gounder Mahalingam College (Autonomous) Pollachi - 642 001
Industrial Experts	
Mr. S. Dhineshkumar Bimamitra Software Pvt. Ltd., Vadavalli, Coimbatore.	07/03/26 Industrial Expert Board of Studies in B.Sc. CT (SF) Nallamuthu Gounder Mahalingam College (Autonomous) Pollachi - 642 001
Alumnus nominated by Principal / HoD	
S. Kavieswaran M.Sc., IT, Sri Krishna Arts & Science College, Coimbatore	07/03/26
Student Members	
A.Sangeerthana (23CT49) III- CT NGM College Pollachi	7/3/26
M. Sarveshini (23CT50) III- CT NGM College Pollachi	7/3/26

DEPARTMENT OF COMPUTER TECHNOLOGY ★ NGM COLLEGE

HoD **CDC Co-ordinator** **COE** **PRINCIPAL**

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NALLAMUTHU GOUNDER ★ POLLACHI ★ MAHALINGAM COLLEGE

ANNEXURE I

Minutes of the 15th / Previous Meeting – Action Taken Report

S.No	Suggestion given by Expert Members	Action Taken
1	**Subject Expert:** Introduce courses like AI and ML Lab to provide practical exposure to AI techniques.	**Reviewed and Implemented:** Industry-oriented courses and labs such as MERN Stack Development Lab, Internet of Things, UI/UX Programming Lab, Prompt Engineering, and Interactive Data Science Lab using Jupyter Notebook and Data Visualization Tools have been introduced to enhance practical skills and industry readiness.
2	**Industry Expert:** Emphasize offering MOOC/NPTEL/SWAYAM courses with credit options in the curriculum.	**Implemented**: It is mandated that all students complete at least one approved MOOC course through SWAYAM/NPTEL. Credits earned are considered as per institutional norms, promoting self-paced and industry-relevant learning.
3	**Alumni Member:** Introduce advanced learning course papers.	**Implemented**: Courses such as MERN Stack Development, UI/UX Programming Lab, Prompt Engineering, and Interactive Data Science Lab using Jupyter Notebook have been introduced.
4	**Student Member:** Incorporate Data Structure concepts into Java programming practicals.	**Implemented**: A revised practical curriculum including key Data Structure concepts has been integrated into the Java Programming Lab.

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List of Courses having focus on local, national, regional and global developmental needs offered by the Department of Computer Technology

DEPARTMENT OF COMPUTER TECHNOLOGY						
Programme: Computer Technology						**Year:2026**
Course Code	**Course Title**	**Need**				**Rationale**
		Local	**National**	**Regional**	**Global**	
26UCT101	CC I - Problem Solving Techniques using C				✓	In order to enable the students use the computers effectively in problem solving, this course offers the modern programming Language C along with exposition to various applications of computers.
26UCT102	CC II - Data Structures			✓	✓	Students understand the way of organizing data in a computer, and how effectively it can be used. Students will be able to solve the issues related to data organization and help to solve real time issues. Data structures has a wide and diverse scope of usage across the fields of Computer Science and Software Engineering Understanding and identification of appropriate data structures to solve real time problems based on various design strategies.
26UCT1A1	Generic Elective I - Allied I – Discrete Mathematics			✓	✓	Discrete mathematics is the mathematical language of computer science. Concepts and notations from discrete mathematics are useful in studying and describing objects and problems in all branches of computer science, such as computer algorithms, programming languages, cryptography, automated theorem proving, and software

						development.
26UCT1A2	Generic Elective I - Allied I – Mathematics I – Mathematical structures for Computer Science	✓		✓	✓	Mathematics is the foundation upon which Computer Science is built. It depicts how to use abstract language, work with algorithms, self-analyze the computational thinking, and represent real-world solutions accurately. Apply matrices in the study of electrical circuits, and optics and to conduct seismic surveys and perform encryption in economics, business, 3D games, animation etc.
26UCT103	CC Lab I - Problem Solving Techniques using C Lab			✓	✓	This lab course enables students to gain practical experience in C programming and problem-solving techniques. It strengthens logical thinking and programming skills required for modern computing and global IT applications.
26EVS103	AECC I – Environmental Studies			✓	✓	This course creates awareness about environmental protection, sustainability, and ecological balance, enabling students to understand global environmental challenges and responsible resource management.
26UCT204	CC III – Object Oriented Programming with Java				✓	This course introduces object-oriented programming concepts using Java, enabling students to develop robust and scalable software applications widely used in the global software industry.
26UCT206	CC Lab II – Object Oriented Programming with Java Lab			✓	✓	This laboratory course provides practical exposure to Java programming concepts, helping students develop real-time applications and strengthen

						programming skills required in the IT industry.
26UCT205	CC IV – Computer Networks	✓			✓	This course provides knowledge of computer networking concepts, communication protocols, and network architectures essential for modern internet-based applications and global connectivity.
26UCT2A1	Allied I – Mathematics II: Operations Research	✓	✓			This course introduces optimization techniques and mathematical models used for decision-making in industries, logistics, and management applications.
26UCT2A2	Allied I – Mathematics II: Statistics	✓	✓			This course provides statistical concepts and data analysis methods essential for research, data science, and analytical decision-making.
26UCT2S1	SEC I – Naan Mudhalvan: Data Visualization Tools			✓	✓	This course helps students represent and interpret complex datasets using modern visualization tools, supporting data-driven decision-making in various industries.
26UCT2S2	SEC I – Naan Mudhalvan: Professional Skills		✓			This course develops communication, teamwork, and professional competencies required for employability and career growth in various sectors.
26UCT307	CC V – Python Programming			✓	✓	This course introduces Python programming concepts used in web development, data science, automation, and artificial intelligence applications worldwide.
26UCT309	CC Lab III – Python Programming Lab		✓		✓	This laboratory course provides practical experience in Python programming, enabling students to implement real-world applications and problem-solving techniques.
26UCT308	CC VI – Database			✓	✓	This course provides knowledge of database concepts, design,

	Management Systems					and management techniques essential for storing and processing large-scale organizational data.
26UCT310	CC Lab IV – Database Management Systems Lab			✓	✓	This lab course enables students to design and implement databases using SQL and DBMS tools used in modern software systems.
26UCT3A1	GE III – Software Engineering				✓	This course introduces systematic approaches to software development including design, testing, and maintenance practices used in the global IT industry.
26UCT3A2	GE III – Fundamentals of Blockchain Technology			✓	✓	This course introduces blockchain concepts, distributed ledgers, and secure digital transactions widely used in modern financial and technological systems.
26UCT3N1	NME I – Office Automation Lab	✓				This lab course develops practical skills in office productivity tools used for documentation, spreadsheets, and presentations in everyday workplace environments.
26UCT3N2	NME II – Multimedia Lab			✓	✓	This course introduces multimedia tools and techniques used in digital content creation, media production, and creative industries.
26GKL301	General Awareness (Self Study)	✓	✓			This course enhances students' awareness of current affairs, social issues, and national developments essential for competitive examinations and civic understanding.
26UCT411	CC VII – Linux Programming			✓	✓	This course introduces Linux operating system concepts and shell programming widely used in servers, cloud platforms, and open-source development environments.
26UCT413	CC Lab V – Linux			✓	✓	This laboratory course provides hands-on experience in Linux

	Programming Lab					commands and shell scripting for system administration and development tasks.
26UCT412	CC VIII – Operating Systems		✓		✓	This course explains operating system concepts such as process management, memory management, and file systems essential for modern computing environments.
26UCT4A1	GE IV – Artificial Intelligence and Machine Learning				✓	This course introduces AI and machine learning techniques used in intelligent systems, automation, and data-driven technologies across industries.
26UCT4A2	GE IV – Software Testing				✓	This course focuses on testing methodologies, quality assurance, and debugging techniques used to ensure reliable and efficient software systems.
26UCT414	CC Lab VI – No Code Interface Development (Wix/Framer)				✓	This lab course introduces modern no-code development platforms enabling students to design and deploy web interfaces without complex programming.
26UCT4S1	SEC II – Interactive Data Science Lab using Jupyter Notebook				✓	This course provides practical exposure to data science workflows using Jupyter Notebook for data analysis, visualization, and experimentation.
26UCT4S2	SEC II – Desktop Publishing Lab	✓	✓			This course develops skills in designing and publishing documents such as brochures, magazines, and promotional materials used in local businesses.
26UCT4N1	NME II – Scripting Languages Lab				✓	This lab course provides practical knowledge of scripting languages used for automation, web development, and system administration tasks.
26UCT4N2	NME II – Pencil 2D			✓		This course introduces basic animation techniques using open-source tools for digital

						illustration and multimedia applications.
26UCT515	CC IX – Open Source Technologies (PHP & MySQL)				✓	This course introduces open-source web development technologies used to build dynamic web applications and database-driven websites.
26UCT516	CC X – Information and Cyber Security			✓	✓	This course provides knowledge of cybersecurity concepts, threats, and protection mechanisms essential for securing digital information systems.
26UCT5E1	DSE I – Prompt Engineering			✓	✓	This course introduces techniques for designing effective prompts to interact with AI systems and generative models used in modern AI applications.
26UCT5E2	DSE I – Virtual Reality			✓	✓	This course introduces immersive technologies and VR development concepts used in gaming, simulation, education, and industrial training.
26UCT5E3	DSE I – Fundamentals of Blockchain Technology				✓	This course explores blockchain principles, decentralized systems, and applications in finance, supply chain, and digital identity management.
26UCT517	CC Lab VII – Open Source Technologies Lab				✓	This lab course provides hands-on experience in developing web applications using PHP and MySQL technologies.
26UCT518	CC Lab VIII – Web Designing Lab				✓	This laboratory course develops skills in designing interactive websites using modern web technologies and design principles.
26UCT5S1	SEC III – Framework Technologies Lab				✓	This course provides practical experience with modern web development frameworks used in building scalable applications.
26UCT5S2	SEC III – UI/UX Programming				✓	This course focuses on designing user-friendly interfaces and enhancing user

	Lab					experience for web and mobile applications.
26UCT6AL	ALC – Digital Marketing				✓	This course introduces digital marketing strategies, search engine optimization, and social media marketing used by businesses worldwide.
26UCT619	CC XI – Framework Technologies				✓	This course introduces Framework framework concepts used for developing enterprise-level web and desktop applications.
26UCT620	CC Lab IX – Framework Technologies Lab				✓	This lab course provides hands-on training in developing applications using Framework technologies and development tools.
26UCT5E4	DSE II – Software Project Management			✓	✓	This course introduces planning, scheduling, and management techniques required for successful execution of software development projects.
26UCT5E5	DSE II – Data Analytics				✓	This course provides knowledge of analyzing large datasets to derive meaningful insights for decision-making.
26UCT5E6	DSE II – Edge Computing				✓	This course introduces distributed computing techniques where data processing occurs near the data source for faster response and efficiency.
26UCT6E7	DSE III – Cloud Computing				✓	This course explains cloud infrastructure, virtualization, and cloud services widely used for scalable computing solutions.
26UCT6E8	DSE III – Internet of Things				✓	This course introduces IoT architecture and applications for connecting devices and enabling smart environments.
26UCT6E9	DSE III – Mobile Computing				✓	This course focuses on mobile technologies, wireless communication, and mobile application environments.
26UCT621	CC Lab X –				✓	This lab course provides hands-

	Cloud Workspace Lab					on experience with cloud-based tools and collaborative development environments.
26UCT6S1	SEC IV – MERN Stack Development Lab				✓	This course trains students to build full-stack web applications using MongoDB, Express, React, and Node.js technologies.
26UCT6S2	SEC IV – Animation Lab		✓			This course develops animation and digital content creation skills using modern animation tools.
26UCT622	Project			✓	✓	The project work enables students to apply theoretical knowledge to real-world problems and develop innovative software solutions.

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List of Courses having focus on employability/ entrepreneurship/ skill development offered by the Computer Technology

Computer Technology						
Programme: B.Sc Computer Technology					**Year:2026– 2029**	
Course Code	**Course Title**	**Employability (EM) / Entrepreneurship (EN) / Skill Development (SD)**			**Focus**	**Year of Introduction**
		EM	**EN**	**SD**		
26UCT101	CC I - Problem Solving Techniques using C	✔		✔	Develops programming logic and problem-solving skills using C language for software development and computing applications.	2011
26UCT102	CC II - Data Structures	✔		✔	Enables students to organize and manage data efficiently using different data structures for real-world computing problems.	2011
26UCT1A1	Generic Elective I – Discrete Mathematics	✔		✔	Provides mathematical foundations for algorithms, cryptography, and computational problem solving.	2026
26UCT1A2	Generic Elective I – Mathematical Structures for Computer Science	✔		✔	Strengthens mathematical thinking required for computing, algorithms, and problem analysis.	2011
26UCT103	CC Lab I - Problem Solving Techniques using C Lab	✔		✔	Provides hands-on experience in C programming to develop logical thinking and coding ability.	2011
26EVS103	AECC I – Environmental Studies	✔		✔	Creates awareness about environmental sustainability and responsible resource management.	2011

26UCT204	CC III – Object Oriented Programming with Java	✔		✔	Introduces object-oriented programming concepts to develop scalable and robust software applications.	2011
26UCT206	CC Lab II – Object Oriented Programming with Java Lab	✔		✔	Practical exposure to Java programming for real-time software development.	2011
26UCT205	CC IV – Computer Networks	✔		✔	Provides knowledge of networking concepts, communication protocols, and internet technologies.	2011
26UCT2A1	Allied – Mathematics II: Operations Research	✔	✔		Introduces optimization and decision-making techniques used in industries and management.	2021
26UCT2A2	Allied – Mathematics II: Statistics	✔	✔		Provides statistical methods for data analysis and research applications.	2022
26UCT2S1	SEC I – Data Visualization Tools	✔		✔	Develops skills in visualizing and interpreting data using modern analytical tools.	2025
26UCT2S2	SEC I – Professional Skills	✔	✔	✔	Enhances communication, teamwork, leadership, and workplace readiness.	2025
26UCT307	CC V – Python Programming	✔		✔	Introduces Python programming used in automation, data science, and AI applications.	2022
26UCT309	CC Lab III – Python Programming Lab	✔		✔	Practical implementation of Python programming for real-world problem solving.	2022
26UCT308	CC VI – Database Management Systems	✔		✔	Provides knowledge of database design, management, and large-scale data handling.	2011

26UCT310	CC Lab IV – Database Management Systems Lab	✔		✔	Practical training in SQL and database implementation techniques.	2011
26UCT3A1	GE III – Software Engineering	✔		✔	Introduces systematic software development methodologies and project lifecycle models.	2011
26UCT3A2	GE III – Fundamentals of Blockchain Technology	✔	✔	✔	Provides knowledge of blockchain, decentralized systems, and digital transaction technologies.	2026
26UCT3N1	NME I – Office Automation Lab	✔		✔	Develops practical skills in office productivity tools used in workplaces.	2021
26UCT3N2	NME II – Multimedia Lab	✔	✔	✔	Introduces multimedia content creation for digital media and creative industries.	2022
26GKL301	General Awareness (Self Study)	✔	✔		Enhances awareness of current affairs and knowledge for competitive examinations.	2011
26UCT411	CC VII – Linux Programming	✔		✔	Provides knowledge of Linux operating system and shell programming for servers and open-source environments.	2021
26UCT413	CC Lab V – Linux Programming Lab	✔		✔	Practical training in Linux commands and shell scripting.	2021
26UCT412	CC VIII – Operating Systems	✔		✔	Introduces concepts of process management, memory management, and system architecture.	2011
26UCT4A1	GE IV – Artificial Intelligence and Machine Learning	✔		✔	Introduces AI and ML techniques used in intelligent systems and data-driven applications.	2022
26UCT4A2	GE IV – Software Testing	✔		✔	Focuses on testing methodologies and	2022

					software quality assurance techniques.	
26UCT414	CC Lab VI – No Code Interface Development	✔	✔	✔	Develops skills in building web interfaces using modern no-code platforms.	2026
26UCT4S1	SEC II – Interactive Data Science Lab using Jupyter Notebook	✔		✔	Provides practical exposure to data science workflows and analytics.	2026
26UCT4S2	SEC II – Desktop Publishing Lab	✔	✔	✔	Develops document design and publishing skills for business and marketing.	2021
26UCT4N1	NME II – Scripting Languages Lab	✔		✔	Provides practical knowledge of scripting languages for automation and web applications.	2021
26UCT4N2	NME II – Pencil 2D		✔	✔	Introduces animation techniques and digital illustration skills.	2022
26UCT515	CC IX – Open Source Technologies (PHP & MySQL)	✔		✔	Introduces open-source web development technologies for building dynamic applications.	2020
26UCT516	CC X – Information and Cyber Security	✔		✔	Provides knowledge of cybersecurity threats and protection mechanisms.	2021
26UCT5E1	DSE I – Prompt Engineering	✔	✔	✔	Introduces techniques for designing prompts to interact effectively with AI systems.	2026
26UCT5E2	DSE I – Virtual Reality	✔	✔	✔	Introduces VR development and immersive technology applications.	2023
26UCT5E3	DSE I – Fundamentals of Blockchain Technology	✔	✔	✔	Explores blockchain principles and decentralized computing applications.	2026
26UCT517	CC Lab VII – Open Source Technologies Lab	✔		✔	Practical training in developing web applications using PHP	2020

					and MySQL.	
26UCT518	CC Lab VIII – Web Designing Lab	✔	✔	✔	Develops skills in designing modern interactive websites.	2021
26UCT5S1	SEC III – Framework Technologies Lab	✔		✔	Introduces modern frameworks for scalable web application development.	2026
26UCT5S2	SEC III – UI/UX Programming Lab	✔	✔	✔	Focuses on designing user-friendly interfaces and improving user experience.	2025
26UCT6AL	ALC – Digital Marketing	✔	✔	✔	Introduces digital marketing strategies, SEO, and online branding techniques.	2023
26UCT619	CC XI – Framework Technologies	✔		✔	Provides knowledge for developing enterprise applications using Framework framework.	2026
26UCT620	CC Lab IX – Framework Technologies Lab	✔		✔	Practical training in developing applications using Framework technologies.	2026
26UCT5E4	DSE II – Software Project Management	✔	✔	✔	Introduces planning, scheduling, and management of software projects.	2023
26UCT5E5	DSE II – Data Analytics	✔		✔	Develops skills in analyzing datasets for decision-making.	2025
26UCT5E6	DSE II – Edge Computing	✔		✔	Introduces distributed computing techniques for faster data processing.	2026
26UCT6E7	DSE III – Cloud Computing	✔		✔	Provides knowledge of cloud infrastructure and scalable computing services.	2021
26UCT6E8	DSE III – Internet of Things	✔	✔	✔	Introduces IoT architecture and smart device communication technologies.	2024
26UCT6E9	DSE III – Mobile Computing	✔		✔	Focuses on wireless communication and mobile computing	2022

					technologies.	
26UCT621	CC Lab X – Cloud Workspace Lab	✔		✔	Provides practical exposure to cloud-based development and collaboration tools.	2021
26UCT6S1	SEC IV – MERN Stack Development Lab	✔	✔	✔	Provides full-stack development skills using MongoDB, Express, React, and Node.js.	2025
26UCT6S2	SEC IV – Animation Lab		✔	✔	Develops animation and digital content creation skills.	2021
26UCT622	Project	✔	✔	✔	Enables students to apply theoretical knowledge to develop innovative real-world software solutions.	2023

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Percentage of Revision of B.Sc., Computer Technology Syllabus under Regulation 2026

COMPUTER TECHNOLOGY							
S. No	**Course Code**	**Course Title**	**Change Details**	**% of Changes**	**Content Deleted**	**Content Updated**	**Reason for Change**
							Subject Expert / Course Teacher / Alumini Opinion
1	26UCT103	CC Lab I - Problem Solving Techniques using C Lab	Few suggestions were made in program list structure	40%	Few list of programs replaced with Data Structure Concepts	Data Structure Concepts Program list added	As Subject Expert suggested
2	26UCT1A1	GE I – Allied I: Discrete Mathematics	Few suggestions were made in syllabus structure	40%	Two Units of Vedic Mathematics removed from previous syllabus	All five units revised and replaced with Discrete Mathematics topics.	As Subject Expert suggested
3	26UCT204	CC III: Object Oriented Programming with Java	Few suggestions were made in Unit I, II, III and V of this syllabus	80%	Few topics removed such as Java and World Wide Web, Web Browsers from Unit I, Type Casting, Bitwise operator, Special Operators ,Arithmetic Expressions, Evaluation of Expressions, The Else if	The syllabus has been restructured across Units I, II, III, and V by retaining only the fundamental concepts of Java programming and focus on core Java programming concepts, thereby making appropriate for	As Subject Expert suggested

					ladder, the ? : Operator from Unit II, Jumps in Loops from Unit III, other useful I/O classes, Random Access files– Interactive I/O. from Unit V have been removed.	the level of the students and improving effective learning outcomes.	
4	26UCT205	CC IV: Computer Networks	Few suggestions were made in Unit IV and V of this syllabus	40%	Two Units of contents revised, few important routing algorithms will be covered in Unit IV and selected application layer topics will be retained in Unit V.	Unit IV has been revised to include key routing algorithms and their working principles, while Unit V has been updated to cover selected important topics from the Application Layer of Computer Networks.	As Subject Expert suggested
5	26UCT3A2	GE III – Allied III: Organizational Behaviour	New Paper	100%	Previous course replaced	Contents of all units syllabus are revised in the concepts of Organizational Behaviour.	As Subject Expert & Industry Expert suggested
6	26UCT411	CC VII: Linux Programming	Few suggestions were made in Unit IV and V of this syllabus	40%	Few topics removed from Unit IV: Programming with Shell, Unit V: System Administratio	Unit IV and Unit V have been restructured to emphasize fundamental Linux commands, file	As Subject Expert & Alumini suggested

					n	handling, process management, and basic shell concepts, while reducing advanced programming and administrative topics.	
7	26UCT414	Core Course Lab VI – No Code Interface Development (WIX/Framer)	New Paper	100%	Previous lab component replaced	New practical syllabus introduced focusing on No-Code Web Interface Development using WIX and Framer	As Industry Expert suggested
8	26UCT4A1	GE IV: Allied IV - Artificial Intelligence and Machine Learning	Few suggestions were made in Unit IV and V of this syllabus	40%	Advanced topics such as detailed examples of Linear Regression, Cost Function, Cross-Entropy from Univ IV and detailed steps of K-Nearest Neighbour (KNN) algorithm, and advanced concepts of Support Vector Machine including Kernel Functions have been removed to	Unit IV and Unit V have been simplified to focus on fundamental concepts of Linear Regression, basic Classification concepts, Decision Trees, introductory K-Nearest Neighbour, and basic understanding of Support Vector Machines suitable for Allied level students.	As Subject Expert suggested

					reduce complexity.		
9	26UCT4S1	SEC II – Naan Mudhalvan: Interactive Data Science Lab using Jupyter Notebook	New Paper	100%	Previous SEC paper replaced	New syllabus introduced focusing on Interactive Data Science concepts using Jupyter Notebook	As Subject Expert suggested
10	26UCT5E1	DSE I – Prompt Engineering	New Paper	100%	Previous elective replaced	New syllabus introduced focusing on Prompt Engineering concepts for AI tools and Large Language Models	As University Nominee and subject experts suggested
11	26UCT6E8	DSE III: Internet of Things	Few suggestions were made in Unit IV and Unit V of this syllabus	40%	Previous syllabus topics in Unit IV and Unit V have been removed as separate units and consolidated to accommodate revised course content.	The contents of Unit IV and Unit V have been merged and revised, and advanced Industrial IoT topics have been introduced in Unit V to reflect current technological developments.	As subject experts suggested
12	26UCT619	CC XI: Framework Technologies	New Paper	100%	Previous Course replaced	New syllabus introduced focusing on open source PHP and MYSQL Concepts.	AS University Nominee, subject experts, and industry representative, and

							Student Member suggested
13	26UCT620	CC Lab IX: Framework Technologies Lab	New Paper	100%	Previous Practical course replaced	New Practical List updated focusing on open source PHP and MYSQL Concepts.	AS University Nominee, subject experts, and industry representative and Student Member suggested
14	26UCT5E6	DSE II – Edge Computing	New Paper	100%	Previous elective replaced	New syllabus introduced covering Edge Computing architecture, IoT integration, and real-time data processing.	As Subject Expert suggested
15	26UCT6AL	ALC II: Agentic AI Systems	New Paper	100%	Previous elective replaced	New syllabus introduced covering autonomous AI agents and modern AI system architectures.	As Subject Expert suggested

Total No. of Papers = 52
Weightage for each paper = 100
No. of Paper Newly Introduced / Revised = 8 + 7
PERCENTAGE OF SYLLABUS REVISED = (1120/5200)*100 =21.53%

HoD

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DEPARTMENT OFCOMPUTER TECHNOLOGY

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI - 642001

16th Board of Studies Meeting in the Department of Computer Technology

Date: 07.03.2026 Time: 10.00 A.M to 2.00 P.M

Agenda

BoS / CT 16.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the DEPARTMENT OF COMPUTER TECHNOLOGY.
BoS / CT 16.2	:	Confirmation of the Minutes of the 15th / Previous meeting of Board of studies in the DEPARTMENT OF COMPUTER TECHNOLOGY held on 07.03.2026 and Action taken report of 15th meeting of Board of studies
BoS / CT 16.3	:	16.3.1 Syllabus of I BSc COMPUTER TECHNOLOGY under Regulation 2026
		16.3.2 Syllabus of II BSc COMPUTER TECHNOLOGY under Regulation 2026
		16.3.3 Syllabus of III BSc COMPUTER TECHNOLOGY under Regulation 2026
		16.3.4 Syllabus Ratification of II B.Sc COMPUTER TECHNOLOGY (Batch : 2024-2027) for semester V to VI under Regulation 2026.
		Any other Discussions if any
BoS / CT 16.4	:	Suggestion given by BOS Members
BoS / CT 16.5	:	Any other items

BoS/CT 16.3

BoS/CT 16.3.4

16.3.4 Syllabus Ratification of II B.Sc COMPUTER TECHNOLOGY (Batch : 2024-2027) for semester V to VI under Regulation 2026.

The Training and Placement Cell, through the Minutes of the Meeting of the Computer Science Cluster Heads, resolved to introduce a **WIPRO CoE (Centre of Excellence) Course titled Enterprise Digital Workspace (DWS) for the batch 2024–2027**. The course is introduced for Computer Science Cluster students including B.Sc. Computer Science, B.Sc. CT, B.Sc. IT, BCA, and etc., programmes. The total duration of the course is 180 hours, distributed across Semester V and Semester VI, with 90 hours in each semester, carrying 4 credits per semester.

S. No	Semester	Course Title
1	V	**Add-On Diploma Course:** Enterprise Digital Workspace (DWS) – I
2	VI	**Add-On Diploma Course:** Enterprise Digital Workspace (DWS) – II

The **same courses was offered to the Batch 2023–2026 as an Advanced Learners Course (ALC I & II), and the credits earned were recorded in the Consolidated Mark Statement.**

Further, the proposal was placed before the Board of Studies (Computer Technology) and was **approved** and **resolved in the 16th Board of Studies meeting held on 07.03.2026.**