DEPARTMENT OF INFORMATION TECHNOLOGY

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

Re-Accredited with A++ by NAAC and 9001:2015 Certified Institution

POLLACHI - 642001

18th Board of Studies Meeting in the Department of Information Technology

Date & Time: 07.03.2026 & 10 AM

Agenda

BoS / IT 18.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the Department of Information Technology
BoS / IT 18.2	:	Confirmation of the Minutes of the 17th / Previous meeting of Board of studies in the Department of Information Technology held on 01-03-2025 and Action taken report of 17th meeting of Board of studies
BoS / IT 18.3	:	Syllabus of B.Sc. INFORMATION TECHNOLOGY under Regulation 2026-2029
		Any other Discussions if any
BoS / IT 18.4	:	Suggestion given by BOS Members
BoS / IT 18.5	:	Any other items

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI

DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF BOS MEETING

The 18th Meeting of the Board of studies of the DEPARTMENT OF INFORMATION TECHNOLOGY was held on 07.03.2026 at 10.00 AM. in the DEPARTMENT, NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, POLLACHI - 642001.

1. The following members were present:

1.	Mr. K. VIJAYAKUMAR Assistant Professor and Head	Chairman
2.	Mr. R. SEKAR Assistant Professor	Internal Members
3.	Dr. C. R. DURGADEVI Assistant Professor	
4.	Dr. B. KALAISELVI Assistant Professor	
5.	Mrs. V. PRABAVATHI Assistant Professor	
6.	Dr. K.MANIMEKALAI Assistant Professor, Dept. of CS, Government Arts and Science College for Women, Puliakulam, Coimbatore. E-Mail: manimekalai@gmail.com Mobile No. : 9865007005	University Nominee
6	Dr. A. Poongodi Associate Professor, PG Department of Computer Applications, VELs Institute of Science and Technology, Chennai. E-Mail: apoongodi.scs@velsuniv.ac.in Mobile No.: 9710907426	Subject Expert1

7.	Dr. S. DHANDAPANI Asst. Professor in Computer Science, Govt. Arts and Science College, Thuvakkudi,Tiruchirapalli E-Mail: sdpudt@rediffmail.com Mobile No.: 9943357265	Subject Expert2
8.	Mr. K.P.K. Aathithan Chakravarthy Program Manager HCL Tech, Bangalore. E-Mail: aathithan.gde@gmail.com Mobile No. : 8861144551	Industry Expert
9	Ms. J. Brindha Infosys Pvt ltd Quality Engineering Analyst Mysore Mobile No. : 7418678304 Email: brindhajayakumar29@gmail.com	Alumnus nominated by HoD
10.	Selvi. ARTHI. N (23-IT-24) FINAL YEAR	Student Members
11.	Selvan P. SRI SAMRAKSHAN (23-IT-16) FINAL YEAR	

HoD

K VIJAYAKUMAR, MCA.,M.Phil.,
Head, Dept. of Information Technology
NGM 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.

COE

Dr. P. MAHESWARI, M.A.,M.Phil.,Ph.D.,
Controller of Examinations
NGM College (Autonomous)
Pollachi - 642 001.

PRINCIPAL

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

BoS/IT 18.1 WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN. BOARD OF STUDIES IN THE DEPARTMENT OF INFORMATION TECHNOLOGY.

The Chairman, BoS of the Department of Information Technology welcomed and introduced the members of 18th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.

BoS/IT 18.2 TO CONFIRM THE MINUTES OF PREVIOUS

BOS MEETING NO. BoS/IT 17.2 HELD ON 01.03.2025. The minutes of the BoS/IT 17.3 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 PREVIOUS ACADEMIC MEETING NO. 32 Academic council.

~ Action Taken Report (Enclosed in Annexure 1)

BoS/IT 18.3

BoS/IT 18.3.1

The presented syllabus was accepted by the experts and a few suggestions were given as noted into 18.4.

B.Sc. INFORMATION TECHNOLOGY (I & II SEMESTER)

Semester I & II

1. **26UIT103 - CC LAB. I – Programming in C Vedic Maths arithmetic operations to be introduced.**
2. **26UIT1S1 - SS Lab. I: Web Designing CSS Programs are added with HTML.**
3. **26UIT2A1 – Allied – Mathematics –II (Discrete Mathematics) – Graph theory additional concepts are added and Trees were removed.**
4. **26UIT2S1 – SE – I Naan Mudhalvan – Web Designing React was added with Javascript.**

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

1. 26UIT101 - CC - I : Programming in 'C'
2. 26UIT102 - CC - II : Computer System Architecture
3. 26UIT1A1/A2 – Allied Mathematics-I (Vedic and Statistics) / Numerical Methods
4. 26UIT205 – CC - IV: Data Structures
5. 26UIT2A2 - Allied: Mathematics II (Operations Research)
6. 26UIT204 – CC III : Object Oriented Programming with Java
7. 26UIT206 – CC Lab. II – Programming in Java with Data Structures

BoS/IT 18.3.2

B.Sc. INFORMATION TECHNOLOGY (III & IV SEMESTER)

The presented syllabus was accepted by the experts and a **few suggestions** were given as noted into 18.4.

1. 26UIT307 - CC - V: Operating Systems – Mobile and Open Source OS were introduced
2. 26UIT309 - CC Lab - III: RDBMS. – Case studies added
3. 26UIT310 – CC LAB. IV – Advanced Excel Lab. (Fully Changed)
4. 26UIT3N1/N2 – Non Major Elective I – Lab. Social Media Analytics/ Basics of Hardware Introduced
5. 26UIT3A2 – Allied: Electronic Devices and Circuits is Introduced
6. 26UIT3VA- VAC I UI/UX Designing is Introduced
7. 26UIT412 - CC - VIII: Advanced Java Programming – Syllabus Changed
8. 26UIT4A2 – Allied – Software Testing - Introduced
9. 26UIT4N1/N2- Non Major Elective II – Lab.: Data Analytics/ Workplace Digitization Introduced
10. 26UIT4S1- SEC II – Naan Mudhalvan: PHP is removed and DevOps Fundamentals is introduced
11. 26UIT4VA- VAC II Statistical computing with R is Introduced

Semester III & IV

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

1. 26UIT308 – CC VI: Relational Database Management System

2. 26UIT3A1 – GE III – Allied : Microprocessor
3. 26UIT411 – CC VII: Data Communication and Networks
4. 26UIT4A1– Allied - IV: Software Engineering
5. 26UIT4A2– Allied - IV: Software Project Management
6. 26UIT413 – CC Lab. V. Programming in Advanced Java
7. 26UIT4S2 – SEC II Quantitative Aptitude

BoS/IT 18.3.3

B.Sc. INFORMATION TECHNOLOGY (V & VI SEMESTER)

Semester V & VI:
The presented syllabus was accepted by the experts and a **few suggestions** were given as noted into 18.4.

1. 26UIT514 – CC – IX: Full stack Development using Python – Add Numpy, Pandas and Flask Concepts
2. 26UIT515 – CC X: Digital Security - Information Security is shifted from VI Semester and renamed as Digital Security, with cyber security concepts appended in the existing syllabus.
3. 26UIT516 - CC - Lab - VI: Open Source Methodologies- This course is shifted from VI Semester and List of programs appended.
4. 26UIT517 - CC Lab. VII: Full stack Development using Python - Add Numpy, Pandas and Flask Concepts
5. 26UIT5E1 – DSE – I: Data Mining and Warehousing – Syllabus changed
6. 26UIT5E2 – DSE – I: Cloud Computing – Syllabus Changed
7. 26UIT5E3 – DSE – I: Mobile Computing – Introduced
8. 26UIT618 – CC- XI - Visual Programming – This course is shifted from V Semester
9. 26UIT620 - CC Lab IX: Visual Programming - This course is shifted from V Semester
10. 25UIT621 – Project – Contemporary Tools added

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

    1. 26UIT5S1/S2 SEC III: Digital Content Development Lab. I & II (Scribus / Canva).

2. 26UIT5AL – ALC - I Cyber Law
3. 26UIT6E4 – DSE – II: Machine Learning
4. 26UIT6E5 – DSE – II: Internet of Things
5. 26UIT6E6 – DSE – II: Digital Marketing
6. 26UIT6E7 – DSE – III: Big Data Analytics
7. 26UIT6E8 – DSE – III: Artificial Intelligence
8. 26UIT6E9 – DSE – III: Block Chain Technology
9. 26UIT619 – CC Lab. VIII: Software Testing & Data Visualization Tools
10. 26UIT6S1/S2 SEC IV : Naan Mudhalvan Lab.: Generative AI / Web development
11. 25UIT6AL – ALC-II Digital Forensics (Optional-Self Study)

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

BoS/IT 18.4 SUGGESTIONS GIVEN BY THE BoS MEMBERS

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 B.Sc. Information Technology under Regulation BoS/IT 17.3

Ratification

WIPRO Centre of Excellence Course Implementation

Batch 2024-2027

18.4.1: As ratification, Introduced Add-on Diploma course in Enterprise Digital Workspace (DWS)

Semester V Enterprise Digital Workspace (DWS) – I - 90 hours (4 Credits)

Semester VI Enterprise Digital Workspace (DWS) – II - 90 hours (4 Credits)

Batch 2025-2028

18.4.1: As ratification, Introduced Add-on Diploma course in Enterprise Digital Workspace (DWS)

Semester V Enterprise Digital Workspace (DWS) – I - 90 hours (4 Credits)

Semester VI Enterprise Digital Workspace (DWS) – II - 90 hours (4 Credits)

Members Present:

Chairman	
Mr. K. VIJAYAKUMAR Assistant Professor and Head	Sign
Internal Members	
Mr R. SEKAR Assistant Professor	Sign
Dr. C. R. DURGADEVI Assistant Professor	
Dr. B. KALAISELVI Assistant Professor	
Mrs. V. PRABAVATHI Assistant Professor	
University Nominee	
Dr. K. Manimekalai Assistant Professor, Dept. of CS, Government Arts and Science College for Women, Puliakulam, Coimbatore. E-Mail: manimekalai@gmail.com Mobile No. : 9865007005	Sign
Subject Experts	
Dr. A. Poongodi Associate Professor, PG Department of Computer Applications, VELs Institute of Science and Technology, Chennai. E-Mail: apoongodi.scs@velsuniv.ac.in Mobile No.: 9710907426	Sign
Dr. S. DHANDAPANI Asst. Professor in Computer Science, Govt. Arts and Science College, Thuvakkudi, Tiruchirapalli E-Mail: sdpudt@rediffmail.com Mobile No.: 9943357265	

Industry Expert	
Mr. K.P.K. Aathithan Chakravarthy Program Manager HCL Tech, Bangalore. E-Mail: aathithan.gde@gmail.com Mobile No. : 8861144551	Sign 
Academic Expert & Auditor	
Alumnus nominated by Principal / HoD	
Ms. J. Brindha Infosys Pvt ltd Quality Engineering Analyst Mysore Mobile No. : 7418678304 Email: brindhajayakumar29@gmail.com	Sign 
Student Members	
Selvi ARTHI. N (23-IT-24) FINAL YEAR	Sign 
Selvan P. SRI SAMRAKSHAN (23-IT-16) FINAL YEAR	

ANNEXURE I

Minutes of the BoS/IT 17th/ Previous Meeting – Action Taken Report

S. No.	Suggestion given by expert members	Action taken
1	25UIT1A1/A2 - GE I - Allied : Mathematics - I (Vedic & Statistics) / Numerical Methods Vedic Maths added with statistics	Reviewed and Implemented
2	25UIT204 - CC - III: Object Oriented Programming with Java – Applets were removed	Reviewed and Implemented
3	25UIT206 - Programming in Java with Data Structures – Applet related programs were removed	Reviewed and Implemented
4	25UIT2S1 / 25UEL2S2– SEC I: Naan Mudhalvan: Web Programming Lab. (CSS with Javascript)/ Professional Skills – CSS included in Javascript	Reviewed and Implemented
5	25UIT2S1 – SEC I: Naan Mudhalvan: Web Programming Lab. (PHP) is shifted to IV SEM from II SEM as 25UIT4S1/25UIT4S2 - SEC II: Naan Mudhalvan: PHP/ Quantitative Aptitude	Reviewed and Implemented
6	25UHW301- Health and Wellness course introduced	Reviewed and Implemented
7	25UIT412 - CC - VIII: Advanced Java Programming – Java FX topics introduced	Reviewed and Implemented
8	25UIT413 - CC Lab - V: Programming in Advanced Java - Java FX topics introduced	Reviewed and Implemented
9	25UIT4S1 – SEC II : Naan Mudhalvan: Advanced Excel Lab – is removed	Reviewed and Implemented
10	25UIT4N2- Non Major Elective - II : Computer Security is removed, instead of it Cyber Security introduced	Reviewed and Implemented

11	25UIT515 – CC – X: Visual Programming – MVC components is introduced	Reviewed and Implemented
12	25UIT516 – CC Lab. VI: Visual Programming - MVC programming components is introduced	Reviewed and Implemented
13	25UIT5S1/S2 – SEC III: Graphic Designing Lab. (Photoshop/Canva) is changed as 25UIT5S1/S2 SEC III: Digital Content Development Lab. (Scribus / Canva)	Reviewed and Implemented
14	25UIT6E8 – DSE – III: Artificial Intelligence - Syllabus changed	Reviewed and Implemented
15	25UIT6S1/S2 – SEC IV: Naan Mudhalvan: Multimedia Lab.(Flash/3DsMax) is changed as Generative AI Web development Lab (Wix / Framer)	Reviewed and Implemented

HoD

K.VIJAYAKUMAR, MCA.,M.Phil.,
Head,Dept. of Information Technology,
NGM College (Autonomous),
POLLACHI - 642 001.

Principal

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

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

Information Technology						
Programme: B.Sc. Information Technology						**Year 2026 - 2027**
Course Code	**Title of the Course**	**Need(s)**				**Rationale**
		Local	**Regional**	**National**	**Global**	
26UIT101	CC-I: Programming in 'C'			✓		To know well about the basic programming concepts
26UIT102	CC-II: Computer System Architecture	✓				To learn about the requirements of system
26UIT103	CC Lab. I - Programming in 'C'			✓		To know well about the basic programming skills
26UIT1S1	SS Lab. – I : Web Designing	✓				To get better knowledge to build a website.
26UIT1A1	Allied : Mathematics - I (Vedic & Statistics)	✓		✓		To build the Vedic mathematical skills for programming
26UIT1A2	ALLIED: Mathematics - I (Numerical Methods)	✓		✓		To build the mathematical skills for programming
26UIT204	CC- III: Object Oriented Programming with Java			✓		To design and program standa lone Java applicatio ns.
26UIT205	CC –IV Data Structures				✓	To solve problems using data structures and writing programs
26UIT206	CC Lab. II - Programming in Java with Data Structures			✓		To design and program standa lone Java applicatio ns with data structure concepts
26UIT2A1	ALLIED: Mathematics II (Discrete Mathematics)		✓			To build the mathematical skills for programming

26UIT2A2	ALLIED: Mathematics II (Operations Research)		✓			To build the Operational Research skills for programming
26UIT2S1	SEC I: Naan Mudhalvan : Web Programming Lab.	✓	✓			To get better knowledge to build a website.
26UIT307	CC - V: Operating Systems		✓			To understand the Operating system functions
26UIT308	CC - VI: Relational Database Management System			✓		To have a broad understanding of database concepts and database management system software.
26UIT309	CC Lab. III RDBMS			✓		To know well about the basics of database programming.
26UIT310	CC Lab. IV Advanced Excel	✓				To get better knowledge about advanced Excel
26UIT3A1	ALLIED: Microprocessor			✓		To meet the microprocessor requirements of system
26UIT3A2	ALLIED: Electronic Devices and Circuits.			✓		To meet the hardware requirements of system
26UIT3N1	Non-Major Elective- I Lab. Social Media Analytics	✓		✓	✓	To prepare students for evaluating the best social media platform(s) for their business
26UIT3N2	Non-Major Elective- I Lab. Basics of Hardware	✓		✓	✓	To understand and identify the existing configuration of the computers & peripherals.
26UIT411	CC - VII: Data Communication and Networks				✓	To meet the requirements of networks

26UIT412	CC – VIII: Advanced Java Programming			✓		To learn test, and debug advanced-level Object-Oriented programs using Java
26UIT413	CC Lab. V – Advanced Java			✓		To learn test, and debug advanced-level Object-Oriented programs using Java
26UIT4S1	SEC II: Naan Mudhalvan : DevOps fundamentals	✓	✓	✓	✓	To get better knowledge to build an Application
26UIT4S2	SEC II: Naan Mudhalvan: Quantitative Aptitude.	✓	✓	✓	✓	To develop critical thinking and analytical skills
26UIT4A1	ALLIED: Software Engineering	✓	✓	✓	✓	This is to understand the High impact of software Engineering solutions
26UIT4A2	ALLIED: Software Testing	✓	✓	✓	✓	This is to understand the High impact of software Testing stratergies
26UIT4N1	Non-Major Elective – II Lab.: Data Analytics				✓	To Apply principles of Data Science to the analysis of business problems.
26UIT4N2	Non-Major- II Lab. Work place digitization			✓	✓	To implement digital tools in workplace
26UIT514	CC – IX: Full stack web Development using Python		✓		✓	Design and develop Python programs in the areas related to web Development

26UIT515	CC – X: Digital security			✓		Create and manipulate security measures
26UIT5E1	DSE – I: Data Mining and warehousing				✓	Different types of organizations use the technology to harness the data and extract value from it.
26UIT5E2	DSE – I: Cloud Computing		✓	✓	✓	To enhance the effectiveness of various businesses using cloud storage globally
26UIT5E3	DSE – I: Mobile Computing				✓	To meet the requirements of Mobile Computing
26UIT516	CC Lab - VI : Open Source Methodologies	✓		✓		To Design and Implement Applications using Open Source Methodologies
26UIT517	CC Lab. VII: Full Stack Development			✓		Design and develop Python programs in the areas related to web Application development
26UIT5S1	SEC III: Digital Content Development Lab. I	✓	✓			To Demonstrate Scribus tool
26UIT5S2	SEC III : Digital Content Development Lab. II	✓	✓			To Demonstrate Canva related skills
26UIT5AL	ALC – I: Cyber Law (Optional)		✓	✓	✓	To enhance the security based on Cyber Law
26UIT618	CC – X1: Visual Programming				✓	To enhance the design of web application
26UIT6E4	DSE- II: Machine Learning		✓	✓	✓	Learning and analyzing the Machine Learning Algorithms

26UIT6E5	DSE – II: Internet of Things			✓	✓	The functional aspect of learning IoT is to unite every object of the world under one common infrastructure;
26UIT6E6	DSE- II : Digital Marketing	✓	✓	✓	✓	Utilizing this powerful E-commerce tools wisely has become eminently important for business-to-business (B2B) companies
26UIT6E7	DSE – III : Big Data Analytics			✓	✓	.Different types of organizations use the technology to harness the data and extract value from it and also to know analytical skills in the field of Social media.
26UIT6E8	DSE–III: Artificial Intelligence		✓	✓	✓	Learning and analyzing the AI techniques helps in solving real world problems
26UIT6E9	DSE - III: Block Chain Technology		✓	✓	✓	Ability to link knowledge of Computer Science with other auxiliary disciplines of study.
26UIT619	CC Lab. VIII - Software Testing & Data Visualization Tools			✓		Improves ability to use recent testing and visualization tools
26UIT620	CC Lab. IX – Visual programming			✓		To give practical knowledge on commands and editors available in Linux platform.
26UIT6S1	SEC IV: Naan Mudhalvan: - Generative AI Web development Lab. I	✓	✓			Ability to learn and use Wix tool for website-building

26UIT6S2	SEC IV: Naan Mudhalvan: - Generative AI Web development Lab. II	✓	✓			Ability to learn and use Framer for AI-centric website-building
26UIT621	Project				✓	To give the practical knowledge on courses studied throughout and used to develop software.
26UIT6AL	ALC – II: Digital Forensics (optional)		✓	✓	✓	To understand about forensics and techniques for conducting the forensic examination on different digital devices

HoD

K.VIJAYAKUMAR, MCA.,M.Phil.,
Head,Dept. of Information Technology,
NGM College (Autonomous),
POLLACHI - 642 001.

PRINCIPAL

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

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

DEPARTMENT OF INFORMATION TECHNOLOGY						
PROGRAMME: B.Sc. IT					**YEAR : 2026 - 2027**	
COURSE	**TITLE OF THE COURSE**	**EMPLOYABILITY (EM) / ENTREPRENUERSHIP (EN) / SKILL DEVELOPMENT(SD)**			**FOCUS**	**YEAR OF INTRODUCTION**
		EM	**EN**	**SD**		
26UIT101	CC-I: Programming in 'C'	✓	✓		EM : Programming EN: Debugging SD: Problem Solving	2009
26UIT102	CC-II: Computer System Architecture	✓	✓		EN : Logical Design EM : Model Formulation	2015
26UIT103	CC Lab. I - Programming in 'C'	✓	✓	✓	EM : Programming EN: Debugging SD: Problem Solving	2009
26UIT1S1	SS Lab. – I : Web Designing	✓		✓	EM : Web Designing SD: Script programming	2019
26UIT1A1	Allied : Mathematics - I (Vedic & Statistics)			✓	SD: Problem Solving	2018 & 2025
26UIT1A2	ALLIED: Mathematics - I (Numerical Methods)			✓	SD: Problem Solving	2023
26UIT204	CC- III: Object Oriented Programming with Java		✓	✓	EN: Application Development SD: OOP	2016
26UIT205	CC –IV Data Structures			✓	SD: Creating data storage structures	2009
26UIT206	CC Lab. II - Programming in Java with Data Structures		✓	✓	EN: Application Development SD: OOP	2016
26UIT2A1	ALLIED: Mathematics II (Discrete Mathematics)			✓	SD: Problem Solving	2019

26UIT2A2	ALLIED: Mathematics II (Operations Research)			✓	SD: Problem Solving	2023
26UIT2S1	SEC I: Naan Mudhalvan : Web Programming Lab.	✓		✓	EM: Web Programmer SD: Web Designing	2025
26UIT307	CC - V: Operating Systems		✓	✓	EN: OS service SD: System Structure	2012
26UIT308	CC - VI: Relational Database Management System	✓		✓	EM : Database concepts SD: Database Programming	2008
26UIT309	CC Lab. III RDBMS	✓		✓	EM : Database concepts SD: Database Programming	2008
26UIT310	CC Lab. IV Advanced Excel	✓			EM : Data Analysis	2023
26UIT3A1	ALLIED: Microprocessor			✓	SD : Hardware architecture	2008
26UIT3A2	ALLIED: Electronic Devices and Circuits.	✓		✓	EM: Electronic Device Management SD : Hardware architecture	2026
26UIT3N1	Non-Major Elective- I Lab. Social Media Analytics			✓	SD: Aware of social media	2026
26UIT3N2	Non-Major Elective- I Lab. Basics of Hardware	✓		✓	EM : Hardware service provider SD : Hardware architecture	2026
26UIT411	CC - VII: Data Communication and Networks	✓		✓	EM : Network Administration SD: Networking Concepts	2014
26UIT412	CC – VIII: Advanced Java Programming	✓	✓	✓	EM : Application programmer EN: Application Development SD: Programming for web	2011 & 2025

26UIT413	CC Lab. V – Advanced Java	✓	✓	✓	EM : Application programmer EN: Application Development SD: Programming for web	2011 & 2025
26UIT4S1	SEC II: Naan Mudhalvan : DevOps fundamentals			✓	SD: Data Visualization	2013
26UIT4S2	SEC II: Naan Mudhalvan: Quantitative Aptitude.		✓	✓	EN: Aptitude Trainer SD: Analytical skills	2023
26UIT4A1	ALLIED: Software Engineering	✓		✓	EM: Software developer SD: Modular Programming using software models	2013
26UIT4A2	ALLIED: Software Testing	✓		✓	EM: Project Testing SD: planning for the Software Project Testing	2023
26UIT4N1	Non-Major Elective – II Lab.: Data Analytics	✓		✓	EM: To become a Data Analyst SD : Learn how to analysis Data in large scale	2026
26UIT4N2	Non-Major- II Lab. Work place digitization	✓		✓	EM: Handling workplace using digital tool SD: Learn to use Digital tools	2026
26UIT514	CC – IX: Full stack web Development using Python	✓		✓	EM: Programmer SD: Develop new software using Python	2026
26UIT515	CC – X: Digital security	✓		✓	EM: Hackers and SD: Learning cracking Algorithms	2018 & 2026

26UIT5E1	DSE – I: Data Mining and warehousing	✓		✓	EM: To become a Data Analyst SD : Learn how to analysis Data in large scale in warehouse	2026
26UIT5E2	DSE – I: Cloud Computing	✓	✓	✓	EM: Server Management EN: cloud service provider SD: Cloud web services	2013
26UIT5E3	DSE – I: Mobile Computing	✓	✓		EM: Mobile Network Administration EN: Mobile Network Administrator	2026
26UIT516	CC Lab - VI : Open Source Methodologies	✓		✓	EM: Software developer SD: Real time Application Development	2018 & 2025
26UIT517	CC Lab. VII: Full Stack Development	✓		✓	EM: Programmer SD: Develop new software using Python	2026
26UIT5S1	SEC III: Digital Content Development Lab. I	✓	✓	✓	EM: Graphics Designer EN: Graphics Designer SD: Learn Scribus Software	2025
26UIT5S2	SEC III : Digital Content Development Lab. II	✓		✓	EM: Graphics Designer SD: Learn Canva tools	2025
26UIT5AL	ALC – I: Cyber Law (Optional)	✓		✓	EM: Cyber crime prevention SD: Learn laws related to cyber crimes	2024

26UIT618	CC – X1: Visual Programming	✓		✓	EM :Application Development SD: Design using C#	2018 & 2023
26UIT6E4	DSE- II: Machine Learning	✓		✓	EM: Cloud Platform SD: Data analytical skills using various Algorithms	2023
26UIT6E5	DSE- II: Internet of Things	✓		✓	EM: IOT hardware design SD: IOT based Designing	2023
26UIT6E6	DSE- II : Digital Marketing	✓		✓	EN: E-Business SD: Electronic Trading	2021
26UIT6E7	DSE – III : Big Data Analytics		✓	✓	EM: Data Analyst SD: Data analytical skills using various tools	2022
26UIT6E8	DSE–III: Artificial Intelligence	✓		✓	EM: Robotics designer SD: How to Apply AI in various domain	2021
26UIT6E9	DSE - III: Block Chain Technology		✓	✓	EN: E-Business SD: Usage of Digital Money	2021
26UIT619	CC Lab. VIII - Software Testing & Data Visualization Tools	✓		✓	EM : Software tester SD: To learn testing & Visualization tools	2014 & 2023
26UIT620	CC Lab. IX – Visual programming	✓		✓	EM :Application Development SD: Design using C#	2016 & 2023
26UIT6S1	SEC IV: Naan Mudhalvan: - Generative AI Web development Lab. I	✓	✓	✓	EM: Wix Designer EN: Start an IT company SD: Learn to work with different tools and Technology	2025

26UIT6S2	SEC IV: Naan Mudhalvan: - Generative AI Web development Lab. II	✓	✓	✓	EM: Designer EN: Animation designer SD: Interactive framer designer	2025
26UIT621	Project	✓	✓	✓	EM: Software Developer EN: Start up IT Company SD: Using contemporary tools	2008
26UIT6AL	ALC – II: Digital Forensics (optional)	✓	✓	✓	EM: performing source-code forensics. EN: cyber forensics for audits, compliance, and investigation SD: to understand how a breach happened and who were the attackers.	2024

HoD

K. VIJAYAKUMAR, MCA, M.Phil.,
Head, Dept. of Information Technology,
NGM College (Autonomous),
POLLACHI - 642 001.

PRINCIPAL

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

Percentage of Revision of Department of Information Technology Syllabus under Regulation 2026 – 2027

S. No.	Course	Course Name	Change Details	% of changes	Content Deleted	Content Updated	Reason for change
1	26UIT103	CC Lab. - I Programming in 'C'	Vedic Maths Arithmetic operations	10%	-	Added Vedic mathematics programs	Course Teacher
2	26UIT1S1	SS Lab. - I : Web Designing	CSS Programs included	50%	-	Added CSS Programs	Student Member
3	26UIT2A1	GE II – Allied : Mathematics II (Discrete Mathematics)	Add Graphs & Trees removed	10%	Trees removed	Add Graphs	Course Teacher
4	26UIT2S1	SEC - I :Naan Mudhalvan : Web Designing	Included REACT	50%	-	Included REACT	Industry Expert
5	26UIT307	CC -V: Operating Systems	Mobile and Open Source OS	20%	-	Mobile and Open Source OS added	Alumni
6	26UIT309	CC Lab.- III : RDBMS	Case Studies Added	20%	-	Case Studies Added	University Nominee
7	26UIT310	CC Lab. – IV: Advanced Excel Lab.	Excel & Advanced Excel Merged.	50 %	-	Programs Updated	Subject Expert

8	26UIT3N1	Non Major Elective - I : Lab.: Social Media Analytics	Introduced	100%			Subject Expert
9	26UIT3N2	Non Major Elective - I : Lab.: Basics of Hardware	Introduced	100%			Industry Expert
10	26UIT3A2	Electronic Devices and Circuits	Introduced	100%			Course Teacher
11	26UIT412	CC - VIII : Advanced Java Programming	Introduced	100%			Course Teacher
12	26UIT4A2	Software Testing	Introduced	100%			Course Teacher
13	26UIT4N1	Non Major Elective - II : Lab.: Data Analytics	Introduced	100%			Student Member
14	26UIT4N2	Non Major Elective - II : Lab.: Workplace Digitization	Introduced	100%			Course Teacher
15	26UIT4S1	DevOps Fundamentals	Introduced	100%			Industry Expert
16	26UIT514	CC - IX : Full Stack Development Using Python	Syllabus Updated	60%		Added Numpy, Pandas and Flask	Alumni

17	26UIT515	CC-X : Digital Security	Syllabus Updated	40%		Cyber security concepts added	University Nominee
18	26UIT517	CC Lab. - VII: Full Stack Development Using Python	Syllabus Updated	60%		Add Numpy, Pandas and Flask programs	Subject Expert
19	26UIT5E1	Data Mining & Warehousing	Introduced	100%			Subject Expert
20	26UIT5E2	Cloud Computing	Syllabus Changed	20%	Python concepts removed	-	Industry Expert
21	26UIT5E3	Mobile Computing	Introduced	100%			Course Teacher
22	26UIT5[illegible]0	CC Lab. – VI Open Source Methodologies	Syllabus Updated	40%		Programs added	Course Teacher
23	26UIT621	Project	Syllabus Updated	20%		DevOps & Full Stack Development Tools Added	Course Teacher
24	26UIT3VA	VAC – I : UI/UX Designing	Introduced	100%			Student Member
25	26UIT4VA	VAC – II : Statistical Computing with R	Introduced	100%			Course Teacher
Total Weightage							17.0
Average Percentage							34%

HoD

K.VIJAYAKUMAR, MCA.,M.Phil.,
Head, Dept. of Information Technology
NGM College (Autonomous)
POLLACHI - 642 001.

PRINCIPAL

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