DEPARTMENT OF INFORMATION TECHNOLOGY

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI - 642001

16th Board of Studies Meeting in the Department of

Information Technology

Date & Time: 22.04.2024 & 10 AM

Agenda

BoS / IT 16.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the Department of Information Technology
BoS / IT 16.2	:	Confirmation of the Minutes of the 15th / Previous meeting of Board of studies in the Department of Information Technology held on 28.06.2023 and Action taken report of 15th meeting of Board of studies
BoS / IT 16.3	:	Syllabus of B.Sc. INFORMATION TECHNOLOGY under Regulation 2024-2027
		Any other Discussions if any
BoS / IT 16.4	:	Suggestion given by BOS Members
BoS / IT 16.5	:	Any other items

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
POLLACHI
DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF BOS MEETING

The 16th Meeting of the Board of studies of the DEPARTMENT OF INFORMATION TECHNOLOGY was held on 22.04.2024 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.	Mrs B. KALAISELVI Assistant Professor	
5.	Mrs. V. PRABAVATHI Assistant Professor	
6.	Dr. K.SANTHI Professor, Dept. of IT, Dr. NGP Arts and Science College, Coimbatore. E-Mail: santhi@drngpasc.ac.in Mobile No. : 9345793168	University Nominee

7.	Dr. S. DHANDAPANI Asst. Professor in Computer Science, Govt. Arts and Science College, Thuvakkudi,Tiruchirapalli E-Mail: sdpudt@rediffmail.com Mobile No.: 9943357265	Academic Expert 22/04/24
8.	Dr.K. DEVASENAPATHI Asso. Professor in Computer Science Karpagam University, Coimbatore. E-Mail: senamcet@gmail.com Mobile No.: 9600965375	Academic Expert & Auditor 22/4/24
9.	Ms. V. AARTHI MCA. Assistant Professor, Department of B.Com (Business Analytics), Saraswathi Thiyagaraja College, Pollachi. E-Mail: aarthiselvi703@gmail.com Contact No. 8525071621	Alumnus nominated by HoD 22/4/24
10.	Selvan THAMARAI MANALAN. V (21-IT-30) FINAL YEAR	Student Members
11.	Selvi AKSHAYA.N (22-IT-29) SECOND YEAR	22/4/24

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

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

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

Dr. R. MUTHUKUMARAN,
M.A.,M.Phil.,B.Ed.,Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

BoS/IT 16.1 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 16th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.

BoS/IT 16.2 TO CONFIRM THE MINUTES OF PREVIOUS BOS MEETING NO. BoS/IT 15.2 HELD ON 28.6.2023. The minutes of the BoS/IT 15.3 Board of Studies meeting held on 28.06.2023 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. 30 Academic council.

~ Action Taken Report (Enclosed in Annexure 1)

BoS/IT 16.3

The presented syllabus was accepted by the experts and a **few suggestions** were given as noted into 16.4.

BoS/IT 16.3.1

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

Semester I:

23UIT104 – CC Lab. II Web Designing (HTML & DHTML) changed as self study lab. 24UIT1S1 – SS Lab. I: Web designing (HTML).

Semester II:

23UIT206 – CC Lab. II Programming in Java changed as 24UIT206 - Programming in Java with Data Structures.

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

1. 24UIT101 - CC - I : Programming in 'C'
2. 24UIT102 - CC - II : Computer System Architecture
3. 24UIT1A1/A2 - GE- I : Allied : Mathematics - I (Statistics / Numerical Methods)
4. 24UIT103 - CC Lab - I : Programming in 'C'
5. 24UIT205 - CC - III: Object Oriented Programming with Java
6. 24UIT206 – CC - IV: Data Structures

7. 24UIT2A1/A2 - GE–II: Allied: Mathematics II (Discrete Mathematics/Operations Research)

BoS/IT 16.3.2

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

Semester III:

23UIT3A3 – Microprocessor and Assembly Language Programming changed as 24UIT3A3 – Microprocessor and reduced one hour for Assembly Language Programming chapter removed. Due to 24UIT3N1/N2 - NME hour has been increased.

23UIT311 – Core lab. IV Excel Lab. Included in typing skill as an internal part in 24UIT310.

24UIT3VA – VAC I: Work Place Digitization Lab. has introduced.

24UIT4VA – VAC II: Data Visualization Lab. has introduced.

Semester IV:

23UIT4A1/A2 – Software Engineering/Software Project Management reduced one hour in 24UIT4A1/A2. Due to 24UIT4N1/N2 - NME hour has been increased.

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

1. 24UIT307 - CC - V: Operating Systems
2. 24UIT308 – CC VI: Relational Database Management System
3. 24UIT309 - CC Lab - III: RDBMS.
4. 24UIT3N1 / 24UIT3N2 - Non Major Elective - I: Social Networks / Non Major Elective - I: Hardware & Networking
5. 24UIT411 – CC VII : Data Communication and Networks
6. 24UIT412 - CC - VIII: Advanced Java Programming
7. 24UIT4A1/A2 – GE IV - Allied - IV: Software Engineering/ Software Project Management
8. 24UIT413 - CC Lab - V: Programming in Advanced Java
9. 24UIT4S1 – SEC II : Naan Mudhalvan: Advanced Excel Lab
10. 24UIT4N1 / 24UIT4N2 - Non Major Elective - II : Data Analytics / Computer Security

BoS/IT 16.3.3

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

Semester V & VI:

23UIT515 – Information Security and 23UIT518 – CC Lab. VII: Software Testing and Visualization Tools moved to Semester VI and code changed as 24UIT618 & 24UIT619.

23UIT619 – CC XI: Python Programming and 23UIT620 – Core Lab. VIII: Python Programming moved to Semester V code changed as 24UIT514 & 24UIT517.

24UIT6E4 – Machine Learning is introduced in DSE –II.

23UIT6E4 – Big Data Analytics in DSE-II is shifted to DSE- III code changed as 24UIT6E7.

23UIT6E5 – Artificial Intelligence in DSE -II is shifted to DSE- III code changed as 24UIT6E8.

23UIT6E6 – E-Commerce in DSE II is renamed as Digital Marketing with same course code.

23UIT6E7 – Social Media Analytics is removed and basics of social media analytics is included in 24UIT6E7 - DSE – III Big Data Analytics.

23UIT6E8 – Internet of Things in DSE – III is shifted to DSE II and code changed as 24UIT6E5.

23UIT621 – Core Lab. IX : Linux is renamed as 24UIT620 – Core Lab. VI. Open Source Methodologies.

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

1. 24UIT515 – CC Lab. VI : Visual Programming
2. 24UIT5E1 – Data Mining
3. 24UIT5E2 – Cloud Computing
4. 24UIT5E3 - Wireless Networks
5. 24UIT516 – CC LAB. VI : - Visual Programming
6. 24UIT5S1/S2 – SEC III: Graphic Designing Lab. (Photoshop/Canva)
7. 24UIT5AL – ALC-I Cyber Law(Optional-Self Study)
8. 24UIT6E9 - Block Chain Technology
9. 24UIT6S1/S2 – SEC IV: Naan Mudhalvan: Multimedia Lab.(Flash/3DsMax)\

10. 24UIT621 – Project

11. 24UIT6AL – ALC-II Digital Forensics (Optional-Self Study)

These changes have been made effect for the students admitted in 2024 with I to VI Semesters accordingly.

BoS/IT 16.4 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 15.3

16.4.1: University Nominee: To include Data structure concepts in Java Programming Lab.

16.4.2: Subject Expert: To include Industrial Visit as compulsory component of Semester VI.

16.4.3:: Alumni: To include Mini Project in Semester IV.

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	
Mrs B. KALAISELVI Assistant Professor	
Mrs. V. PRABAVATHI Assistant Professor	
University Nominee	
Dr. K.SANTHI Professor, Dept. of IT, Dr. NGP Arts and Science College, Coimbatore. E-Mail: santhi@drngpasc.ac.in Mobile No. : 9345793168	Sign
Academic Expert 1	
Dr. S. DHANDAPANI Asst. Professor in Computer Science, Govt. Arts and Science College, Thuvakkudi, Tiruchirapalli E-Mail: sdpudt@rediffmail.com Mobile No.: 9943357265	Sign
Academic Expert 2 **& Auditor**	
Dr.K. DEVASENAPATHI, Asso. Professor in Computer Science Karpagam University, Coimbatore.	Sign

E-Mail: senamcet@gmail.com Mobile No.: 9600965375	
Alumnus nominated by Principal / HoD	
Ms. V. AARTHI MCA. Assistant Professor, Department of B.Com (Business Analytics), Saraswathi Thiyagaraja College, Pollachi. E-Mail: aarthiselvi703@gmail.com Contact No. 8525071621	Sign Aarth. V 22/4/24
Student Members	
Mr. THAMARAI MANALAN. V (21-IT-30) FINAL YEAR	Sign 22/4/24
Ms. AKSHAYA. N (22-IT-29) SECOND YEAR	22/4/24

ANNEXURE I

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

S. No.	Suggestion given by expert members	Action taken
1	23UIT104 – CC Lab. II : Web designing Lab. (HTML & DHTML) is introduced as core lab.	Reviewed and Implemented
2	23UIT1A2 – GE-I Allied I – Numerical Methods is introduced as Elective for Allied	Reviewed and Implemented
3	23UIT2A2 - GE-II Allied II – Operations Research is introduced as Elective for Allied	Reviewed and Implemented
4	23UIT2S1 - Web Programming Lab. (PHP) is introduced under Naan Mudhalvan Scheme	Reviewed and Implemented
5	22UIT309 - Service Oriented Architecture course has been removed.	Reviewed and Implemented
6	22UIT310 – Core lab. IV Web designing has been changed as 23UIT311 – CC Lab. IV Excel.	Reviewed and Implemented
7	23UIT3A2 – GE III Allied III: Embedded Systems is introduced as Elective for Allied III.	Reviewed and Implemented
8	23UIT4A2: GE IV Allied IV – Software Project Management is introduced as Elective for Allied IV.	Reviewed and Implemented
9	23UIT4S2: Quantitative Aptitude courses have been introduced under Naan Mudhalvan Scheme.	Reviewed and Implemented
10	23UIT516 – CC X: Visual Programming course is introduced	Reviewed and Implemented
11	23UIT5E3 – Wireless Networks is introduced.	Reviewed and Implemented
12	23UIT5AL – ALC – I. Cyber Law is introduced instead of R-Programming.	Reviewed and Implemented
13	23UIT5S2 - SEC – III: Graphic Designing Lab. (Canva) is introduced	Reviewed and

		Implemented
14	23UIT6S1 – SEC IV: Naan Mudhalvan : Multimedia Lab.(Flash) has been introduced	Reviewed and Implemented
15	23UIT6S2 – SEC IV: Naan Mudhalvan : Multimedia Lab.(3Ds Max) has been introduced	Reviewed and Implemented
16	23UIT6E7 - DSE- III Social Media Analytics has been introduced.	Reviewed and Implemented
17	23UIT6E9 - DSE- III Block chain Technology has been introduced.	Reviewed and Implemented
18	23UIT6AL – ALC- II. Digital Forensics has been introduced.	Reviewed and Implemented

Signature of the HoD
K.VIJAYAKUMAR, MCA.,M.Phil.,
Asst.Prof. & Head of Information Technology
NGM College (Autonomous),
POLLACHI - 642 001.

HoD

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

Principal

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 2022 - 2023**				
Course Code	**Title of the Course**	**Need(s)**				**Rationale**
		Local	**Regional**	**National**	**Global**	
24UIT101	CC-I: Programming in 'C'			✓		To know well about the basic programming concepts
24UIT102	CC-II: Computer System Architecture	✓				To meet the requirements of appearing National Eligible Test (NET) and SET

24UIT103	CC Lab. I - Programming in 'C'			✓		To know well about the basic programming skills
24UIT1S1	SS Lab. – I : Web Designing (HTML) Self study	✓				To get better knowledge to build a website.
24UIT1A1	GE I – ALLIED: Mathematics I (Statistics)	✓		✓		To build the mathematical skills for programming
24UIT1A2	GE I – ALLIED: Mathematics I (Numerical Methods)	✓		✓		To build the mathematical skills for programming
24UIT204	CC- III: Object Oriented Programming with Java			✓		To design and program stand - alone Java applica tions.
24UIT205	CC –IV Data Structures				✓	To solve problems using data structures and writing programs
24UIT206	CC Lab. III - Programming in Java with Data Structures			✓		To design and program stand - alone Java applica tions with data structure concepts
24UIT2A1	GE II – ALLIED: Mathematics II (Discrete Mathematics)		✓			To build the mathematical skills for programming
24UIT2A2	GE II – ALLIED: Mathematics II (Operations Research)		✓			To build the mathematical skills for programming
24UIT2S1	SEC I: Naan Mudhalvan : Web Programming Lab. (PHP)	✓	✓			To get better knowledge to build a website.
24UIT307	CC - V: Operating Systems		✓			To make the computer system convenient to use in an efficient manner
24UIT308	CC - VI: Relational Database Management System			✓		To have a broad understanding of

						database concepts and database management system software.
24UIT309	CC Lab. III RDBMS			✓		To know well about the basics of database programming.
24UIT310	CC Lab. IV Excel	✓				To get better knowledge to build a website.
24UIT3A1	GE III – ALLIED: Microprocessor			✓		To meet the requirements of appearing National Eligible Test (NET) and SET
24UIT3A2	GE III – ALLIED: Embedded Systems.			✓		To meet the requirements of appearing National Eligible Test (NET) and SET
24UIT3N1	Skill Based Non-Major- I (Social Networks)	✓		✓	✓	To prepare students for evaluating the best social media platform(s) for their business
24UIT3N2	Skill Based Non-Major- I (Hardware &Networking)	✓		✓	✓	To understand and Identify the existing configuration of the computers & peripherals.
24UIT411	CC - VII: Data Communication and Networks				✓	To meet the requirements of appearing National Eligible Test (NET) and SET

24UIT412	CC – VIII: Advanced Java Programming			✓		To learn test, and debug advanced-level Object-Oriented programs using Java
24UIT413	CC Lab. V – Programming in Advanced Java			✓		To learn test, and debug advanced-level Object-Oriented programs using Java
24UIT4S1	SEC I: Naan Mudhalvan : Advanced Excel Lab.	✓	✓	✓	✓	To learn and experiment the real time applications
24UIT4S2	SEC I: Naan Mudhalvan : Quantitative Aptitude.	✓	✓	✓	✓	To develop critical thinking and analytical skills
24UIT4A1	GE IV – ALLIED: Software Engineering	✓	✓	✓	✓	This broad education is necessary to understand the High impact of software Engineering solutions in local and global, economic, environmental, and societal context
24UIT4A2	GE IV – ALLIED: Software Project Management	✓	✓	✓	✓	This broad education is necessary to understand the High impact of software Project Management solutions in local and global, economic, environmental, and societal context

24UIT4N1	Skill Based Non-Major- II (Data Analytics)				✓	To Apply principles of Data Science to the analysis of business problems.
24UIT4N2	Skill Based Non-Major- II (Computer Security)			✓	✓	To prepare students with the technical knowledge and skills needed to protect and defend computer systems and networks.
24UIT514	CC – IX: Python Programming					Design and develop Python programs in the areas related to web design, cloud computing, IoT and data analytics.
24UIT515	CC – X: Visual Programming			✓		Create and manipulate GUI components in C# .Net and VB.Net
24UIT5E1	DSE – I: Data Mining				✓	Different types of organizations use the technology to harness the data and extract value from it.
24UIT5E2	DSE – I: Cloud Computing		✓	✓	✓	To enhance the effectiveness of various businesses using cloud storage globally
24UIT5E3	DSE – I: Wireless Networks				✓	To meet the requirements of appearing National Eligible Test (NET) and SET

24UIT516	CC Lab. VI - Visual Programming	✓		✓		To Design and Implement Windows Applications using Windows Forms, Control Library, Advanced UI Programming & Data Binding concepts.
24UIT517	CC Lab. VII: Python Programming			✓		Design and develop Python programs in the areas related to web design, cloud computing, IoT and data analytics.
24UIT5S1	SEC III: Graphic Designing lab. (Photoshop)	✓	✓			To Demonstrate Photoshop related and transferable skills that are relevant to industry and employment opportunity
24UIT5S2	SEC III : Graphic Designing lab. (Canva)	✓	✓			To Demonstrate Photoshop related and transferable skills that are relevant to industry and employment opportunity
24UIT5AL	ALC – I: Cyber Law (Optional)		✓	✓	✓	To enhance the security based on Cyber Law
24UIT618	CC – X1: Information Security				✓	To enhance the security of various components using algorithms globally

24UIT6E4	DSE- II: Machine Learning		✓	✓	✓	Learning and analyzing the Machine Learning Algorithms
24UIT6E5	DSE – II: Internet of Things			✓	✓	The functional aspect of learning IoT is to unite every object of the world under one common infrastructure;
24UIT6E6	DSE- II : Digital Marketing	✓	✓	✓	✓	Utilizing this powerful E-commerce tools wisely has become eminently important for business-to-business (B2B) companies
24UIT6E7	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.
24UIT6E8	DSE – III: Artificial Intelligence		✓	✓	✓	Learning and analyzing the Artificial Intelligence techniques and concepts helps in solving real world proble ms

24UIT6E9	DSE - III: Block Chain Technology		✓	✓	✓	Ability to link knowledge of Computer Science with other auxiliary disciplines of study.
24UIT619	CC Lab. VIII - Software Testing & Data Visualization Tools			✓		Improves ability to use the techniques, skills, and to rapidly learn and apply emerging software testing technologies and Visualization necessary for software development and usage.
24UIT620	CC Lab. IX – Open Source Methodologies			✓		To give practical knowledge on commands and editors available in Linux platform.
24UIT6S1	SEC IV: Naan Mudhalvan: - Multimedia Lab.(Flash)	✓	✓			Ability to become an entrepreneur in field of advertising and marketing
24UIT6S2	SEC IV: Naan Mudhalvan: - Multimedia Lab.(3Ds Max)	✓	✓			Ability to become an entrepreneur in field of advertising and marketing
24UIT621	Project				✓	To give the practical knowledge on courses studied throughout and used to develop software.

24UIT6AL	ALC – II: Digital Forensics (optional)		✓	✓	✓	To understand about forensics and techniques for conducting the forensic examination on different digital devices

Signature of the HoD
K.VIJAYAKUMAR, MCA.,M.Phil.,
Asst.Prof. of Information Technology
NGM College (Autonomous),
POLLACHI - 642 001.

HoD

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

PRINCIPAL

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 : 2023 - 2024**				
COURSE	**TITLE OF THE COURSE**	**EMPLOYABILITY (EM) / ENTREPRENUERSHIP (EN) / SKILL DEVELOPMENT(SD)**			**FOCUS**	**YEAR OF INTRODUCTION**
		EM	**EN**	**SD**		
24UIT101	CC I: Programming in 'C'	✓	✓	✓	EM : Programming EN: Debugging SD: Problem Solving	2009
24UIT102	CC – II : Computer System Architecture	✓	✓		EN : Logical Design EM : Model Formulation	2015
24UIT103	CC Lab. I - Programming in 'C'	✓	✓	✓	EM : Programming EN: Debugging SD: Problem Solving	2009

24UIT1S1	SS Lab. – I : Web Designing (HTML) Self study	✓		✓	EM : Web Designing SD: Script programming	2019
24UIT1A1	GE I – ALLIED: Mathematics I (Statistics)			✓	SD: Problem Solving	2018
24UIT1A2	GE I – ALLIED: Mathematics I (Numerical Methods)			✓	SD: Problem Solving	2023
24UIT204	CC- III: Object Oriented Programming with Java		✓	✓	EN: Application Development SD: OOP	2016
24UIT205	CC –IV Data Structures			✓	SD: Memory Architecture	2009
24UIT206	CC Lab. III - Programming in Java with Data Structures			✓	EN: Application Development SD: OOP	2016
24UIT2A1	GE II – ALLIED: Mathematics II (Discrete Mathematics)			✓	SD: Problem Solving	2019
24UIT2A2	GE II – ALLIED: Mathematics II (Operations Research)			✓	SD: Problem Solving	2023
24UIT2S1	SEC I: Naan Mudhalvan : Web Programming Lab. (PHP)	✓		✓	EM: Web Programmer SD: Web Designing	2013
24UIT307	CC - V: Operating Systems		✓	✓	EM: Recent Platforms SD: System Structure	2012
24UIT308	CC - VI: Relational Database Management System	✓		✓	EM : Database concepts SD: Database Programming	2008
24UIT309	CC Lab. III RDBMS	✓		✓	EM : Database concepts SD: Database Programming	2008
24UIT310	CC Lab. IV Excel	✓			EM : Data Analysis	2023
24UIT3A1	GE III – ALLIED: Microprocessor			✓	SD : Hardware architecture	2008

24UIT3A2	GE III – ALLIED: Embedded Systems.	✓		✓	EM: Device Management SD : Hardware architecture	2023
24UIT3N1	Skill Based Non-Major- I (Social Networks)			✓	SD: Aware of social media	2019
24UIT3N2	Skill Based Non-Major- I (Hardware &Networking)	✓		✓	EM : Hardware service provider SD : Hardware architecture	2011
24UIT411	CC - VII: Data Communication and Networks	✓		✓	EM : Network Administration SD: Networking Concepts	2014
24UIT412	CC – VIII: Advanced Java Programming	✓	✓	✓	EM : Application programmer EN: Application Development SD: Programming for web	2011
24UIT413	CC Lab. V – Programming in Advanced Java	✓	✓	✓	EM : Application programmer EN: Application Development SD: Programming for web	2011
24UIT4S1	SEC I: Naan Mudhalvan : Advanced Excel Lab.			✓	SD: Data Visualization	2023
24UIT4S2	SEC I: Naan Mudhalvan: Quantitative Aptitude.		✓	✓	EN: Aptitude Trainer SD: Analytical skills	2023
24UIT4A1	GE IV – ALLIED: Software Engineering	✓		✓	EM: Software developer SD: Modular Programming using	2013

					software models	
24UIT4A2	GE IV – ALLIED: Software Project Management	✓		✓	EM: Project Management SD: planning for the Software Project	2023
24UIT4N1	Skill Based Non-Major- II (Data Analytics)	✓		✓	EM: To become a Data Analyst SD : Learn how to analysis Data in large scale	2019
24UIT4N2	Skill Based Non-Major- II (Computer Security)	✓		✓	EM: Solving Security issues SD: Handle Security mechanisms	2011
24UIT514	CC – X1: Python Programming	✓		✓	EM: Programmer SD: Develop new software using Python	2021
24UIT515	CC – X: Visual Programming	✓		✓	EM: Software developer SD: Real time Application Development	2018
24UIT5E1	DSE – I: Data Mining	✓	✓	✓	EM: To become a Data Analyst SD : Learn how to analysis Data in large scale	2018
24UIT5E2	DSE – I: Cloud Computing	✓	✓	✓	EM: Server Management EN: cloud service provider SD: Cloud web services	2013

24UIT5E3	DSE – I: Wireless Networks	✓	✓		EM: Network Administration EN: Network Administrator	2023
24UIT516	CC Lab. VI - Visual Programming	✓		✓	EM: Software developer SD: Real time Application Development	2018
24UIT517	CC Lab. VII: Python Programming	✓		✓	EM: Programmer SD: Develop new software using Python	2021
24UIT5S1	SEC III : Graphic Designing lab. (Photoshop)	✓	✓	✓	EM: Graphics Designer EN: Graphics Designer SD: Learn DTP Software	2019
24UIT5S2	SEC III : Graphic Designing lab. (Canva)	✓		✓	EM: Graphics Designer SD: Learn Canva tools	2023
24UIT5AL	ALC – I: Cyber Law (Optional)	✓		✓	EM: Cyber crime prevention SD: Learn laws related to cyber crimes	2024
24UIT618	CC – XI: Information Security	✓		✓	EM: Solving Security issues SD: Handle Security mechanisms	2018
24UIT6E4	DSE – II : Machine Learning	✓		✓	EM: Data Analyst SD: Data analytical skills using various tools	2023
24UIT6E5	DSE – II: Internet of Things	✓		✓	EM: Hardware Designer SD: Real time applications of IOT	2021

24UIT6E6	DSE – II : Digital Marketing		✓	✓	EN: E-Business SD: Electronic Trading	2014
24UIT6E7	DSE – III : Big Data Analytics	✓		✓	EM: Data Analyst SD: Data analytical skills using various tools	2023
24UIT6E8	DSE – III: Artificial Intelligence	✓	✓	✓	EM: Robotics designer SD: How to Apply AI in various domain	2012
24UIT6E9	DSE - III: Block Chain Technology		✓	✓	EN: E-Business SD: Usage of Digital Money	2021
24UIT619	CC Lab. VII - Software Testing & Data Visualization Tools	✓		✓	EM : Software tester SD: To learn testing & Visualization tools	2014 & 2023
24UIT620	CC Lab. IX - Open Source Methodologies	✓		✓	EM : OS administration SD: Programming for Open source OS	2016
24UIT621	Project	✓	✓	✓	EN: Start an IT company SD: Learn to work with different tools and Technology	2013
24UIT6S1	SEC IV: Naan Mudhalvan: - Multimedia Lab.(Flash)	✓	✓	✓	EM: customer awareness campaigns EN: Animation designer SD: Interactive flash designer	2023
24UIT6S2	SEC IV: Naan Mudhalvan: - Multimedia Lab.(3Ds Max)	✓	✓	✓	EM: customer awareness campaigns EN: Animation designer SD: Interactive modeling in animation	2023

24UIT6AL	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

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Percentage of Revision of Department of Information Technology Syllabus under Regulation 2023 – 2024

DEPARTMENT OF INFORMATION TECHNOLOGY							
S. No.	**Course**	**Course Name**	**Changes Details**	**% of Changes**	**Content Deleted**	**Content Updated**	**Reason for Change**
1	24UIT3A1	GE III – ALLIED : Microprocessor	ALP is removed	10	Assembly Language Programming	-	Due to Language Part 1 & 2 introduced
2	24UIT106	CC Lab. II Programming in Java with Data structures	Data Structure Concepts	40	-	Data Structure Concepts Introduced	Expert Suggests (University Nominee)
3	24UIT3VA	VAC I : Workplace Digitization Lab	Introduced	100	-	-	Periodical Change

4	24UIT4VA	VAC II : Data Visualization Lab.	Introduced	100	-	-	Periodical Change
5	24UIT6E4	Machine Learning	Introduced	100	-	-	Expert Suggests
6	24UIT6E6	Digital Marketing	Introduced	100	-	-	Expert Suggests
7	24UIT6E7	Big Data Analytics	Social Media Analytics	20	-	Social Media Analytics concepts included	Expert Suggests

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