DEPARTMENT OFCOMPUTER SCIENCE

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI - 642001

23th Board of Studies Meeting in the Department of Computer Science

Date: **24.06.2023** Time: **10.00 A.M to 2.00 P.M**

Agenda

BoS / CS23.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in offline mode
BoS / CS23.2	:	Confirmation of the Minutes of the 23rd/ Previous meeting of Board of studies in offline mode held on **24.06.2023** and Action taken report of 22nd meeting of Board of studies
BoS / CS23.3	:	23.3.1 Syllabus of I B.Sc., COMPUTER SCIENCE for semester I to VI under Regulation 2023-2026 Batch.
		Any other Discussions if any
BoS / CS23.4	:	Suggestion given by BOS Members
BoS / CS23.5	:	Any other items

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

POLLACHI

DEPARTMENT OF COMPUTER SCIENCE

MINUTES OF BOS MEETING

The 23rd Meeting of the Board of studies of the Department of Computer Science was held on **24.06.2023** at 10.00 a.m. in Offline mode

1. The following members were present:

1	Dr. R. Manicka chezian Head of the Department	Internal Members
2	Mr. K. Srinivasan Associate Professor	
3	Dr. Aruchamy Rajini Assistant Professor	
4	Ms. M. Malathi Assistant Professor	
5	Ms. M. Latha Assistant Professor	
6	Dr. R. Nandhakumar Assistant Professor	
7	Ms. M. Dhavapriya Assistant Professor	
8	Ms. S. Sharmila Assistant Professor	
9	Ms. M. Meena Krithika Assistant Professor	
10	Mr. N. Arul Kumar Assistant Professor	
11	Dr. A. Kanagaraj Assistant Professor	
12	Ms. P. Jaya Priya Assistant Professor	
13	Ms. G. Angayarkanni Assistant Professor	
14	Ms. R. Shiddharthy Assistant Professor	

15	Dr. S. Sukumaran Associate Professor. Department of Computer Science, Erode Arts and Science College, Erode	University Nominee
16	Dr. P. RanjitJebaThangaiah Professor and Head, Department of Digital Science, Karunya Institute of Technology and Sciences, Coimbatore	Subject Expert
17	Dr L. Robert Associate Professor & Head, Department of Computer Science, Govt.Arts and Science College, Coimbatore	Subject Expert
18	Mr L. Thanappan, Properitor, Altavista Technology	Industrial Expert
19	Mr M. Selvakumar Testing engineer Nxtgradetech, Bangalore	Alumni Representative
20	R.Lavanya Department of Computer Science, NallamuthuGounderMahalingam College, Pollachi	Student Representative

Action Taken Report (Enclosed in Annexure 1)

BoS/CS 23.3

BoS/CS 23.3.1

I B.Sc. COMPUTER SCIENCE (I to VI SEMESTER)

- Core Papers are renamed as CC (Course Code)
- Elective Courses are renamed as DSE (Discipline Specific Elective)
- All Allied Courses rename as GE (Generic Elective): Allied.
- SEC (Skill Enhancement Course) were Introduced in Semester II, IV, V and VI.
- AECC (Ability Enhancement Compulsory Course) were introduced in Semester I and II.

B.Sc COMPUTER SCIENCE (I to VI SEMESTER)

The following Papers from B. Sc Computer Science were accepted by the experts without any modification:

Course Code	**Course Name**
Semester I	
23UCS101	CC I: C Programming
23UCS102	CC II: Digital Computer Fundamentals and Organization
23UCS1A2	GE I – Allied I: Advanced Mathematics and Applied Statistics
Semester II	
23UCS205	CC IV: Data Communication and Computer Networks
23UCS2A1	GE II – Allied II: Discrete Mathematics
23UCS2A2	GE II – Allied II: Discrete Mathematical Structures
Semester III	
Language Papers Tamil and English were introduced in III and IV Semester. (3 +3 Hours)	
23UCS307	CC V: Java Programming
23UCS308	CC VI: Operating System Concepts and Linux
23UCS3A1	GE III – Allied III: Computer Based Optimization Techniques
23UCS3A2	GE III – Allied III: Resource Management Techniques
23UCS309	CC Lab III: Programming Lab in Java
23UCS310	CC Lab IV: Programming Lab in Linux
Semester IV	

23UCS411	CC VII: Python Programming
23UCS412	CC VIII: Relational Database Management Systems
23UCS413	CC Lab V: Programming Lab in Python
23UCS414	CC Lab VI: Programming Lab in RDBMS
23UCS4S1	SEC II: Naan Mudhalvan: Industry 4.0
23UCS4S2	SEC II: Naan Mudhalvan: Aptitude for Placements
Semester V	
23UCS515	CC IX: Open Source Technologies
23UCS516	CC X: Cyber Security
23UCS5E1	DSE I : Data Mining and Warehousing
23UCS5E2	DSE I: Data Engineering with Google Cloud
23UCS5E3	DSE I:Mobile Application Development
23UCS517	CC Lab VII: Programming Lab in .NET
23UCS518	CC Lab VIII: Programming Lab in PHP & MySQL
23UCS5S1	SEC III: Azure Fundamentals
23UCS5S2	SEC III: DevOps Foundation
Semester VI	
23UCS619	Core XI : R Programming
23UCS6E4	DSE-II: Artificial Intelligence and Machine learning
23UCS6E5	DSE-II: Front-End Development with React
23UCS6E6	DSE II: MongoDB
23UCS6E7	DSE-III: Information Retrieval
23UCS6E8	DSE-III :HTML, JavaScript and JQuery For Web Designing
23UCS6E9	DSE III: Angular and Node JS
23UCS620	CC Lab IX: R Programming Lab
23UCS621	CC Lab X: Programming Lab in Android
23UCS622	Project

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

Course Code	Course Name	Reason for adding New Courses
23UCS1A1	GE I – Allied I: Mathematics - Statistical Methods & Linear Algebra	Feedback from Faculty

New Courses Added in

Course Code	Course Name	Reason for adding New Courses
23UCS204	CC III: Data Structures using C++	Feedback from Faculty
23UCS206	CC Lab II: Programming Lab in Data Structures using C++	Feedback from Faculty
23UCS2S1	SEC I: Naan Mudhalvan : Business English Communications	Suggested by CDC and Subject Expert
23UCS2S2	SEC I: Naan Mudhalvan : Block chain	Suggested by CDC and Subject Expert
23UCS4S1	SEC II: Naan Mudhalvan: Industry 4.0 /	Suggested by CDC and Subject Expert
23UCS4S2	SEC II: Aptitude for Placements	Suggested by CDC and Subject Expert
23UCS5S1	SEC III: Azure Fundamentals /	Suggested by CDC and Subject Expert
23UCS5S2	SEC III: DevOps Foundation	Suggested by CDC and Subject Expert
23UCS6S1	SEC IV: Naan Mudhalvan: Programming, Data Structures and Algorithms using Python /	Suggested by CDC and Subject Expert
23UCS6S2	SEC IV: Naan Mudhalvan: Data Science Foundation	Suggested by CDC and Subject Expert

These changes have been made effect for the students admitted in 2023-2026 with Semesters I to VI accordingly.

BoS/CT 23.4 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.

a) It is Suggested to replace Mathematics I Syllabus due to Highly Enrichment of the Syllabus also to complete Syllabus in Stipulated Hours

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

a) The syllabus of First Year Computer Science under Regulation 2023.

ANNEXURE I

Minutes of the 22th / Previous Meeting – Action Taken Report

S.No	Suggestion given by expert members	Action taken
1.	Industry Demand papers were introduced	Reviewed and Implemented
2.	Concept based and real time lab exercises is introduced in few practical papers	Implemented
3.	Advanced learning course papers were introduced	Implemented

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

DEPARTMENT OF COMPUTER SCIENCE						
Programme: Computer Science						Year:2023
Course Code	Course Title	Need				Rationale
		Local	National	Regional	Global	
23UCS101	CC I: C Programming		✓			Its simplicity, efficiency, and versatility make it a powerful tool for developing a wide range of applications. From operating systems to embedded systems, C finds its use in numerous domains
23UCS102	CC II: Digital Computer Fundamentals and Organization		✓			Provides with skills and knowledge to utilize the digital devices of today as well as providing foundations that will empower them to more easily understand and use future technology as well
23UCS1A1/ 23UCS1A2	GE I – Allied I: Mathematics - Statistical Methods & Linear Algebra / Advanced Mathematics and Applied Statistics		✓			Statistical analysis gives meaning to the meaningless numbers, thereby breathing life into a lifeless data & to understand and make predictions about such diverse things as glacial movement, seismic events etc…
23UCS103	CC Lab I: Programming Lab in C		✓			Its simplicity, efficiency, and versatility make it a powerful tool for developing a wide range of applications. From operating systems to embedded systems, C finds its use in numerous domains
23UCS204	CC III: Data Structures using C++		✓			Data structures bring together the data elements in a logical way and facilitate the effective use, persistence and sharing of data.
23UCS205	CC IV: Data				✓	Enable seamless exchange of data

	Communication and Computer Networks					between any two points in the world. This exchange of data takes place over a computer network.
23UCS2A1 / 23UCS2A2	GE II – Allied II: Discrete Mathematics / Discrete Mathematical Structures		✓			Able to generalize from a single instance of a problem to an entire class of problems, and to identify and abstract patterns from data
23UCS206	CC Lab II: Programming Lab in Data Structures using C++		✓			Data structures bring together the data elements in a logical way and facilitate the effective use, persistence and sharing of data.
23UCS2S1	SEC I: Naan Mudhalvan : Business English Communications				✓	Improve your ability to interact with English-speaking countries or companies.
23UCS2S2	SEC I: Naan Mudhalvan : Blockchain				✓	Blockchain increases trust, security, transparency, and the traceability of data shared across a business network — and delivers cost savings with new efficiencies
23UCS307	CC V: Java Programming				✓	Offers significant advantages over other languages and environments, making it suitable for virtually any programming task. Java is easy to learn since it was designed precisely to be simple to understand and use.
23UCS308	CC VI: Operating System Concepts and Linux				✓	An operating system provides the interface between the users of a computer and that computer's hardware & manage several services, including process scheduling, application scheduling, basic peripheral devices and file systems.
23UCS3A1 / 23UCS3A2	GE III – Allied III: Computer Based Optimization Techniques / Resource		✓			Improve the performance of a system, process or model, and can also help to reduce costs, increase efficiency and improve the quality of the results

	Management Techniques					
23UCS309	CC Lab III: Programming Lab in Java				✓	Offers significant advantages over other languages and environments, making it suitable for virtually any programming task. Java is easy to learn since it was designed precisely to be simple to understand and use.
23UCS310	CC Lab IV: Programming Lab in Linux				✓	Linux programming creates applications, interfaces, programs and software. Often, Linux code is used on desktops, real-time programs and embedded systems.
23UCS411	CC VII: Python Programming				✓	Earning Potential. Python is the second-highest paid computer language, according to Indeed. Ease of Comprehension. One of the top benefits of Python is that it is easy to learn and fun to use.
23UCS412	CC VIII: Relational Database Management Systems		✓			RDBMS can be beneficial to most organizations; the systematic view of raw data helps companies better understand and execute the information while enhancing the decision-making process.
23UCS4A1 / 23UCS4A2	GE IV – Allied IV: Accountancy for Decision Making / Financial Accounting	✓				Keeps a systematic record of the organization's financial information. Up-to-date records help users compare current financial information to historical data.
23UCS413	CC Lab V: Programming Lab in Python				✓	Earning Potential. Python is the second-highest paid computer language, according to Indeed. Ease of Comprehension. One of the top benefits of Python is that it is easy to learn and fun to use.
23UCS414	CC Lab VI: Programming Lab in RDBMS		✓			RDBMS can be beneficial to most organizations; the systematic view of raw data helps companies better understand and execute the information while enhancing the decision-making process.

23UCS4S1	SEC II: Naan Mudhalvan: Industry 4.0		✓			Industry 4.0 is to introduce automated decision-making, interconnected machinery, data analytics, and more to increase productivity across the value chain and enable the efficient production of goods.
23UCS4S2	SEC II: Naan Mudhalvan: Aptitude for Placements				✓	Aptitude tests are widely used by employers as a tool to evaluate candidates' suitability for a job or a training program.
23UCS515	CC IX: Open Source Technologies				✓	Lower starting costs, faster project starts, faster iteration, more-flexible software development processes, robust community-driven support, and easier license management, without being contractually locked into work with a single vendor
23UCS516	CC X: Cyber Security				✓	Cyber Security can help to prevent data breaches, identity theft, and other types of cybercrime. Organizations must have strong cyber security measures to protect their data and customers.
23UCS5E1	DSE -I: Data Mining and Warehousing		✓			Data mining attempts to depict meaningful patterns through a dependency on the data that is compiled in the data warehouse.
23UCS5E2	DSE -I: Data Engineering with Google Cloud				✓	Google Cloud Platform enables data engineers to create end-to-end data pipelines right from storing and processing data and workflow orchestration to presenting data through visualization dashboards.
23UCS5E3	DSE -I: Mobile Application Development				✓	Process of making software for smartphones, tablets and digital assistants, most commonly for the Android and iOS operating systems.
23UCS517	CC Lab VII: Programming Lab in .NET				✓	Open-source platform for building desktop, web, and mobile applications that can run natively on any operating system.
23UCS518	CC Lab VIII: Programming Lab in PHP & MySQL				✓	Open-source server-side programming languages used to create dynamic websites. They provide flexibility, as they can be

						used and manipulated on any operating system.
23UCS5S1	SEC III: Azure Fundamentals		✓			Supply the foundation you need to build your career and demonstrate your knowledge of common AI and machine learning workloads—and what Azure services can solve for them.
23UCS5S2	SEC III: DevOps Foundation				✓	Increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes.
23UCS5AL	ALC – I: Cloud Computing		✓			Cloud infrastructure involves the hardware and software components required for proper implementation of a cloud computing model.
23UCS619	Core XI: R Programming				✓	R offers a wide variety of statistics-related libraries and provides a favorable environment for statistical computing and design.
23UCS6E4	DSE–II: Artificial Intelligence and Machine Learning				✓	Improve data integrity and use AI to reduce human error—a combination that leads to better decisions based on better data.
23UCS6E5	DSE–II: FrontEnd Development with React				✓	React lets you build rich user-interfaces easily. Quality of user-interfaces is important because a poorly designed user-interface is generally less user-friendly and the users will not like a poorly designed UI.
23UCS6E6	DSE–II: MongoDB				✓	When an application needs high availability of data, flexibility of data storage, ability to scale-out quickly or the ability to support real-time analytics and big data needs.
23UCS6E7	DSE–III: Information Retrieval				✓	Enable users to find relevant information from a stored and organized collection of documents.
23UCS6E8	DSE–III: HTML,				✓	JavaScript and jQuery are vital tools

	Javascript and JQuery for Web Designing					for modern web development, with JavaScript enabling interactive web pages and jQuery simplifying JavaScript tasks.
23UCS6E9	DSE–III: Angular and NodeJS				✓	Angular enables developers to create dynamic web applications that are based on model-view controller architectural pattern and use HTML as a template language. NodeJS, on the programmers to build scalable server-side applications by using JavaScript as a server-side programming language.
23UCS620	CC Lab IX: R Programming Lab				✓	R offers a wide variety of statistics-related libraries and provides a favorable environment for statistical computing and design.
23UCS621	CC Lab X: Programming Lab in Android				✓	Learn the fundamentals of developing Android Applications, from project creation to installation on a physical device.
23UCS6S1	SEC IV: Naan Mudhalvan: Programming, Data Structures and Algorithms using Python				✓	Algorithms transform data into something a program can effectively use and understand how to structure data so algorithms can maintain, utilize, and iterate through data quickly.
23UCS6S2	SEC IV: Naan Mudhalvan: Data Science Foundation				✓	Learn advanced concepts in Data Science and solve real-time problems more efficiently.
23UCS622	Project				✓	The purpose of a project explains the reason for its existence to all of the project stakeholders from board members to the team delivering the project.

List of Courses having focus on Employability/ Entrepreneurship/ Skill development offered by the Computer Science

Computer Science						
Programme: B.Sc Computer Science					Year:2023 – 2024	
Course Code	Course Title	Employability (EM) / Entrepreneurship (EN) / Skill Development (SD)			Focus	Year of Introduction
		EM	EN	SD		
23UCS101	CC I: C Programming	✓			Focusing on expanding programming Knowledge	
23UCS102	CC II: Digital Computer Fundamentals and Organization			✓	Helps students to know how exactly each instruction is executed at the micro level.	
23UCS1A1/ 23UCS1A2	GE I – Allied I: Mathematics - Statistical Methods & Linear Algebra / Advanced Mathematics and Applied Statistics			✓	Statistics may be used to study the vast amounts of data we have about these systems and look for patterns.	
23UCS103	CC Lab I: Programming Lab in C	✓			Focusing on expanding programming Knowledge	
23UCS204	CC III: Data Structures using C++	✓			Using appropriate data structures can help programmers save a good amount of time while performing operations such as storage, retrieval, or processing of data.	
23UCS205	CC IV: Data Communication and Computer Networks	✓			It acts as basis of communication in Information Technology (IT). It is system of connected computing devices and shares information and resources between them.	
23UCS2A1 / 23UCS2A2	GE II – Allied II: Discrete Mathematics / Discrete Mathematical Structures			✓	Able to generalize from a single instance of a problem to an entire class of problems, and to	

					identify and abstract patterns from data.	
23UCS206	CC Lab II: Programming Lab in Data Structures using C++	✓			Using appropriate data structures can help programmers save a good amount of time while performing operations such as storage, retrieval, or processing of data.	
23UCS2S1	SEC I: Naan Mudhalvan : Business English Communications	✓			Communication enhances the socialization, a vital aspect of employability enhancement.	2023
23UCS2S2	SEC I: Naan Mudhalvan : Blockchain	✓			Blockchain supports issuing and verifying micro-credentials and digital badges, which recognize specific skills and achievements.	2023
23UCS307	CC V: Java Programming	✓			Java is versatile and can be used in various types of applications, including desktop, mobile, and web apps.	
23UCS308	CC VI: Operating System Concepts and Linux			✓	Helps to know how to manage the computer's memory and processes, as well as all of its software and hardware.	2023
23UCS3A1 / 23UCS3A2	GE III – Allied III: Computer Based Optimization Techniques / Resource Management Techniques			✓	Develops the concept of optimization in individual to achieve designed goals in engineering.	
23UCS309	CC Lab III: Programming Lab in Java	✓			Java is versatile and can be used in various types of applications, including desktop, mobile, and web apps.	
23UCS310	CC Lab IV: Programming Lab in Linux	✓			Learning how to navigate the basics of different operating systems demonstrates to employers that you can maneuver any operating system to solve a business	

					problem.	
23UCS411	CC VII: Python Programming	✓			Learning to code in Python requires breaking down complex problems and finding solutions with code. This can help to develop important real-world problem solving and critical thinking skills.	
23UCS412	CC VIII: Relational Database Management Systems			✓	Provide an environment that is both convenient and efficient for users to retrieve and store information.	
23UCS4A1 / 23UCS4A2	GE IV – Allied IV: Accountancy for Decision Making / Financial Accounting			✓	Accounting helps to prepare financial statements that help company leaders and investors to make informed business decisions.	
23UCS413	CC Lab V: Programming Lab in Python	✓			Learning to code in Python requires breaking down complex problems and finding solutions with code. This can help to develop important real-world problem solving and critical thinking skills.	
23UCS414	CC Lab VI: Programming Lab in RDBMS			✓	Provide an environment that is both convenient and efficient for users to retrieve and store information.	
23UCS4S1	SEC II: Naan Mudhalvan: Industry 4.0			✓	Industry 4.0 is likely to increase the demand for students with technical skills such as programming, data analysis, and experience with emerging technologies.	2023
23UCS4S2	SEC II: Naan Mudhalvan: Aptitude for Placements	✓			Aptitude tests help students to assess your strengths and weaknesses and help them understand	2023

					if you would be a good fit for their organization or not.	
23UCS515	CC IX: Open Source Technologies		✓		Helps to improve their coding skills, gain experience working with others, and build a portfolio of work that demonstrates their abilities.	
23UCS516	CC X: Cyber Security		✓		Solid foundation in the principles of cyber security, in addition to an overview of security across a variety of platforms, programming and development, digital forensic investigation etc…	
23UCS5E1	DSE -I: Data Mining and Warehousing	✓			Data mining enable enterprises to predict future trends and make informed business decisions.	
23UCS5E2	DSE -I: Data Engineering with Google Cloud		✓		Capable of using Big data / ML problems using Google Cloud Platform products and services.	
23UCS5E3	DSE -I: Mobile Application Development		✓		Programming language proficiency demonstrates your ability to use the languages to build functional mobile applications.	
23UCS517	CC Lab VII: Programming Lab in .NET	✓			.NET facilitates rapid development and connections between client-side development and backend development	
23UCS518	CC Lab VIII: Programming Lab in PHP & MySQL		✓		Helps to improve their coding skills, gain experience working with others, and build a portfolio of work that demonstrates their abilities.	

23UCS5S1	SEC III: Azure Fundamentals		✓		It focuses on providing a high-level overview of core Azure cloud platform components.	2023
23UCS5S2	SEC III: DevOps Foundation		✓		Increases an organization's ability to deliver applications and services at high velocity	2023
23UCS5AL	ALC – I: Cloud Computing		✓		Helps to learn how it is used as a way of virtualizing a company's IT infrastructure, allowing employees to connect to their data from any location.	
23UCS619	Core XI: R Programming			✓	R helps Data Analysts and Data Scientists perform many data-related tasks, such as data storage and data analysis, and can be used to create customized dashboards and data visualizations.	2020
23UCS6E4	DSE–II: Artificial Intelligence and Machine Learning	✓			AI-powered tools can be used for analyzing, reasoning and learning	
23UCS6E5	DSE–II: FrontEnd Development with React		✓		Focus on fundamental web technologies like HTML, CSS, and JavaScript, leading to an in-depth exploration of React and its functionalities for building dynamic user interfaces.	
23UCS6E6	DSE–II: MongoDB		✓		Helps to know the foundational steps of creating an effective data model in MongoDB.	
23UCS6E7	DSE–III: Information Retrieval			✓	Describe hands-on experience store, and retrieve information from www using semantic approaches.	
23UCS6E8	DSE–III: HTML, Javascript and JQuery for Web Designing			✓	Understanding how the styles influence the display of a web page.	

23UCS6E9	DSE–III: Angular and NodeJS			✓	Helps to build scalable server-side applications by using JavaScript as a server-side programming language.	
23UCS620	CC Lab IX: R Programming Lab			✓	R helps Data Analysts and Data Scientists perform many data-related tasks, such as data storage and data analysis, and can be used to create customized dashboards and data visualizations	2020
23UCS621	CC Lab X: Programming Lab in Android		✓		Helps the learners acquire a fundamental understanding of Android programming and its various components in detail.	2022
23UCS6S1	SEC IV: Naan Mudhalvan: Programming, Data Structures and Algorithms using Python			✓	Provides a comprehensive explanation of data structures like linked lists, stacks and queues, binary search trees, heap, searching and hashing.	2023
23UCS6S2	SEC IV: Naan Mudhalvan: Data Science Foundation			✓	Learn advanced concepts in Data Science and solve real-time problems more efficiently.	2023
23UCS622	Project		✓		Project-based learning is an opportunity for students to critique and revise their approach when they encounter obstacles.	

Percentage of Revision of B.Sc., Computer Science Syllabus under Regulation 2023

COMPUTER SCIENCE							
S.No	**Course Code**	**Course Title**	**Change Details**	**% of Changes**	**Content Deleted**	**Content Updated**	**Reason for Change**
1	23UCS1A1	GE I – Allied I: Mathematics - Statistical Methods & Linear Algebra	Significant Content Added	20%	**Unit II:** Tests for (i) single proportion (ii) Difference of two proportions (iii) difference of two means (iv) difference of two standard deviations. Small sample test based on t, – t-test for (i) single mean (ii) Difference of two means (iii) Observed sample correlation co-efficient. F-Variance Ratio Test.	**Unit II:** Tests for Number of Successes- Tests for Proportion of Successes-Tests for Difference between Proportions- Tests of Significance for Large Samples: The Standard error of mean-Testing the difference between means of two samples-Standard Error of the Difference between two Standard Deviations - Tests of Significance for Small Samples: Students' t - Distribution-Test of Hypothesis about the population Mean-Test of Hypothesis about the difference between two means-Test of hypothesis about the difference between two means with dependent	Feedback from Faculty

						samples.	
2	23UCS204	CC III: Data Structures using C++	This Course is replacing Programming in C+ and Data Structures and C++	100%	-	-	Feedback from Faculty
3	23UCS206	CC Lab II: Programming Lab in Data Structures using C++	This Course is replacing Programming in C and C++	100%	-	-	Feedback from Faculty
5	23UCS2S1	SEC I: Naan Mudhalvan : Business English Communications	-	100%			Suggested by CDC and Subject Expert
6	23UCS2S2	SEC I: Naan Mudhalvan : Block chain	-	100%	-	-	Suggested by CDC and Subject Expert
7	23UCS4S1	SEC II: Naan Mudhalvan: Industry 4.0 /	-	100%	-	-	Suggested by CDC and Subject Expert
8	23UCS4S2	SEC II: Aptitude for Placements	-	100%	-	-	Suggested by CDC and Subject Expert
9	23UCS5S1	SEC III: Azure Fundamentals /	-	100%	-	-	Suggested by CDC and Subject Expert
10	23UCS5S2	SEC III: DevOps Foundation	-	100%	-	-	Suggested by CDC and Subject Expert
11	23UCS6S1	SEC IV: Naan Mudhalvan:	-	100%	-	-	Suggested by CDC

		Programming, Data Structures and Algorithms using Python /					and Subject Expert
12	23UCS6S2	SEC IV: Naan Mudhalvan: Data Science Foundation	-	100%	-	-	Suggested by CDC and Subject Expert

HoD

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