

Pollachi

c) Local, Global and Regional needs format

Information Technology						
Programme: B.Sc. Information Technology				Year 2022 - 2023		
Course Code	Title of the Course	Need(s)				Rationale
		Local	Regional	National	Global	
23UIT101	CC-I: Programming in 'C'			✓		To know well about the basic programming concepts
23UIT102	CC-II: Computer System Architecture	✓				To meet the requirements of appearing National Eligible Test (NET) and SET
23UIT103	CC Lab. I - Programming in 'C'			✓		To know well about the basic programming skills
23UIT104	CC Lab. II Web Designing (HTML & DHTML)	✓				To get better knowledge to build a website.
23UIT1A1	GE I - ALLIED I: Mathematics I (Statistics)	✓		✓		To build the mathematical skills for programming
23UIT1A2	GE I - ALLIED I: Mathematics I (Numerical Methods)	✓		✓		To build the mathematical skills for programming
23UIT205	CC- III: Object Oriented Programming with Java			✓		To design and program stand - alone Java applications.
23UIT206	CC -IV Data Structures				✓	To solve problems using data structures and writing programs
23UIT207	CC Lab. III - Programming in Java			✓		To design and program stand - alone Java applications

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23UIT2A1	GE II – ALLIED II: Mathematics II (Discrete Mathematics)		✓			To build the mathematical skills for programming
23UIT2A2	GE II – ALLIED II: Mathematics II (Operations Research)		✓			To build the mathematical skills for programming
23UIT2S1	SEC I: Naan Mudhalvan : Web Programming Lab. (PHP)	✓	✓			To get better knowledge to build a website.
22UIT307	Operating Systems		✓			To make the computer system convenient to use in an efficient manner
22UIT308	Relational Database Management System			✓		To have a broad understanding of database concepts and database management system software.
22UIT309	CC Lab. III RDBMS			✓		To know well about the basics of Database programming.
22UIT310	Lab. IV Web Designing (HTML,CSS, JavaScript & Angular)	✓				To get better knowledge to build a website.
22UIT3A3	GE III – ALLIED III: Microprocessor and Assembly Language Programming			✓		To meet the requirements of appearing National Eligible Test (NET) and SET
22UIT3N1	Skill Based Non-Major- I (Social Networks)	✓		✓	✓	To prepare students for evaluating the best social media platform(s) for their business
22UIT3N2	Skill Based Non-Major- I (Hardware &Networking)	✓		✓	✓	To understand and Identify the existing configuration of the computers & peripherals.
22UIT411	Data Communication and				✓	To meet the

	Networks					requirements of appearing National Eligible Test (NET) and SET
22UIT412	Advanced Java Programming	✓		✓		To learn test, and debug advanced-level Object-Oriented programs using Java
22UIT413	Programming in Advanced Java			✓		To learn test, and debug advanced-level Object-Oriented programs using Java
22UIT4S1	SEC I: Naan Mudhalvan : Advanced Excel Lab.	✓	✓	✓	✓	To learn and experiment the real time applications
22UIT4A4	GE IV – ALLIED IV: 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
22UIT4N1	Skill Based Non-Major- II (Data Analytics)				✓	To Apply principles of Data Science to the analysis of business problems.
22UIT4N2	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.
21UIT517	Information Security				✓	To enhance the security of various components using algorithms globally
21UIT518	Open Source Methodologies			✓		To know about design and working principles of open source software.
21UIT5E11	Data Mining and Analytics				✓	Different types of organizations use the technology to harness the data and extract value from it.
21UIT5E12	Artificial Intelligence		✓	✓	✓	Learning and analyzing the Artificial Intelligence techniques and concepts helps in solving real world problems
21UIT5E13	E-Commerce	✓	✓	✓	✓	Utilizing this powerful E-commerce tools wisely has become eminently important for business-to-business (B2B) companies
21UIT519	Lab. VII-Open Source Methodologies			✓		To give practical knowledge on commands and editors available in linux platform.

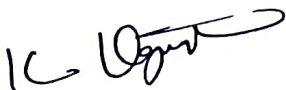
21UIT520	Lab.VIII-Software Testing Tools			✓		Improves ability to use the techniques, skills, and to rapidly learn and apply emerging software testing technologies necessary for SW development and usage.
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21UIT5S11	Skill Based Major Elective - Lab. I Web Programming (PHP)	✓	✓			To get better knowledgetobuild a website.
21UIT5S12	Skill Based Major Elective - Lab. I Web Programming (ASP.NET)					To get better knowledgetobuild a website.
21UIT621	Python Programming				✓	Designanddevelop Pythonprograms in the areas related to web design, cloud computing, IoT and data analytics.
21UIT6E21	R-Programming			✓	✓	Designanddevelop R programs in the areas related toweb design, cloud computing, IoT and data analytics.
21UIT6E22	InternetofThings			✓	✓	The functional aspect of learning IoTisouniteevery object of the world under one common infrastructure;
21UIT6E23	BlockChainTechnology		✓	✓	✓	Abilitytolink knowledge of Computer Science with other auxiliary disciplinesofstudy.
21UIT6E31	MobileComputing	✓		✓		To enable the Students to learn mobile techniques such as 2G, 3G, 4G & 5G

21UIT6E32	ComputerGraphics		✓		✓	To motivate Students about the Computer Graphics field because they want to understand how to build fascinating applications like online games.
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21UIT6E33	CloudComputing		✓	✓	✓	To enhance the effectiveness of various businesses using cloud storage globally
21UIT622	Lab.IX-Python Programming			✓		Design and develop Python programs in the areas related to web design, cloud computing, IoT and data analytics.
21UIT623	Project				✓	To give the practical knowledge on courses studied throughout and used to develop software.
21UIT6S23	Skill Based Major Elective - Lab. II DTP Software(CorelDraw)	✓	✓			Ability to become an entrepreneur in field of advertising and marketing
21UIT6S24	Skill Based Major Elective - Lab. II DTP Software(Photoshop)	✓	✓			To Demonstrate Photoshop related and transferable skills that are relevant to industry and employment opportunity

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