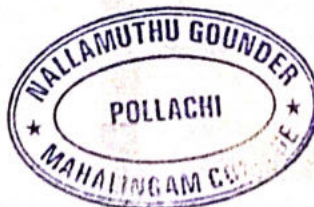


c) Local, Global and Regional needs format

Information Technology						
Programme: B.Sc. Information Technology				Year 2018 - 2019		
Course Code	Title of the Course	Need(s)				Rationale
		Local	Regional	National	Global	
18UIT101	Programming in 'C'			✓		To know well about the basic programming concepts
18UIT102	Computer System Architecture	✓				To meet the requirements of appearing National Eligible Test (NET) and SET
18UIT103	Lab I: Programming in 'C'			✓		To know well about the basic programming skills
18UIT1A1	Statistical Methods	✓		✓		To build the mathematical skills for programming
18UIT204	Object Oriented Programming with Java			✓		To design and program stand - alone Java applications.
18UIT205	Data Structures	✓			✓	To solve problems using data structures and writing programs
18UIT206	Lab. II - Programming in Java			✓		To design and program stand - alone Java applications.
18UIT2A2	Mathematical Foundations for Computer Science	✓	✓			To build the mathematical skills for programming
17UIT307	Operating Systems		✓			To make the computer system convenient to use

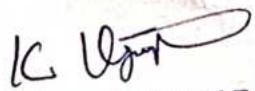
K. Vijay Kumar

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						in an efficient manner
17UIT308	Relational Database Management System			✓		To have a broad understanding of database concepts and database management system software.
17UIT309	Client/ Server Computing			✓		To have better knowledge on client server communication
17UIT310	Lab. III - RDBMS & Java (Front End)	✓				To get better knowledge to build a website.
17UIT311	Lab. IV – HTML & DHTML (Self-Study)	✓				To get better knowledge to build a website.
17UIT3A3	GE III – ALLIED III: Microprocessor and Assembly Language Programming			✓		To meet the requirements of appearing National Eligible Test (NET) and SET
17UIT3N1	Skill Based Non-Major- I (Social Networks)	✓		✓	✓	To prepare students for evaluating the best social media platform(s) for their business
17UIT3N2	Skill Based Non-Major- I (Hardware & Networking)	✓		✓	✓	To understand and Identify the existing configuration of the computers & peripherals.
17UIT412	Data Communication and Networks				✓	To meet the requirements of appearing National Eligible Test (NET) and SET
17UIT413	Advanced Java Programming	✓		✓		To learn test, and debug advanced-level Object-Oriented programs using Java


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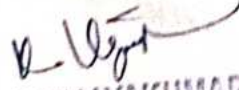
17UIT414	C#.NET Programming	✓		✓		To learn about .Net environment and develop applications
17UIT415	Lab. V: Programming in Advanced Java			✓		To learn test, and debug advanced-level Object-Oriented programs using Java
17UIT416	Lab. VI: Programming in C#.NET	✓	✓	✓	✓	To learn and experiment the real time applications
17UIT4A4	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
17UIT4N3	Skill Based Non-Major- II (Information Security)				✓	To enhance the security of various components using algorithms globally
17UIT4N4	Skill Based Non-Major- II (Hardware & Networking)	✓		✓	✓	To prepare students with the technical knowledge and skills needed to protect and defend computer systems and networks.
16UTS16	Open Source Methodologies			✓		To give practical knowledge on commands and editors available in

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					linux platform.
16UIT517	Mobile Computing			✓	To know about various mobile processors and mobile generation technologies
16UIT518	Data Mining and Analytics				✓ Different types of organizations use the technology to harness the data and extract value from it.
16UIT518	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
16UIT518	Embedded Systems		✓	✓	✓ To understand and Identify the existing configuration of the computers & peripherals.
16UIT519	Lab. VI Open Source Methodologies			✓	To give practical knowledge on commands and editors available in linux platform.
16UIT520	Lab. VII - Software Testing Tools			✓	Improves ability to use the techniques, skills, and to rapidly learn and apply emerging software testing technologies


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