BSC. IT			
Semester I/II/III/IV/V/VI	**All Subjects / Course**	**Objective of teaching the subject (Minimum 4)**	**OUTCOMES**
Sem-I	**USIT101 Core Subject Imperative Programming 2** **USIT102 Core Subject Digital Electronics 2** **USIT103 Core Subject Operating Systems 2** **USIT104 Core Subject Discrete Mathematics 2** **USIT105 Ability Enhancement Skill Course Communication Skills**	1) To think analytically, creatively and critically in developing robust,extensible and highly maintainable technological solutions to simple and complex problems.	To provide an overview of an basic programming skills.
		2)To apply their knowledge and skills to be employed and excel in IT professional careers and to continue their education in IT and related post garduates programmes.	Apply number conversion techniques in real digital systems. Solve boolean algebra expressions
		3)To work effectively as a part of a team to achieve a common stated goal.	Learners will be able to:Use logical notation, Perform logical proofs
		4)To communicate effectively with a range of audiences both technical and non-technical.	Learners will be able to: Analyze, synthesize and utilize the process and strategies from delivery to solving communication problem, Learn the communication methodologies at workplace and learning about importance of team collaboration.
Sem-II	**USIT201 Core Subject Object oriented Programming 2** **USIT202 Core Subject Microprocessor Architecture 2** **USIT203 Core Subject Web Programming 2** **USIT204 Core Subject Numerical and Statistical Methods 2** **USIT205 Ability Enhancement Skill Course Green Computing 2**	1)To adhere to the highest standards of ethics, including relevant industry and organizational codes of conduct.	Learners will be able to:Understand the concept of OOPs, feature of C++ language, Understand and apply various types of Datatypes, Operators, Conversions while designing the program.
		2)To develop an aptitude to engage in continuing professional development.	Learners will be able to: Understand the basic concepts of Micro Computer Systems, Understand the architecture and hardware aspects of 8085 and Write assembly language programs in 8085
		3)To be capable of managing complex IT projects with consideration of the human, financial and environmental factors	Gain an insight into designing web pages. Use different ways of styling web pages using CSS, javascript and PHP.
		4)To make the students employable and impart industry oriented training.	Understand numerical techniques to find the roots of non-linear equations and solution of system of linear equations.
		5)To be fundamentally strong at core subject of Information Technology.	Learners will be able to: Understand the concept of Green IT and problems related to it, Know different standards for Green IT.
sem III	**USIT301 Skill Enhancement Course Python Programming 2** **USIT302 Core Subject Data Structures 2 USIT303 Core Subject Computer Networks 2** **USIT304 Core Subject Database Management Systems 2** **USIT305 Core Subject Applied Mathematics 2**	1)Offers focus on core computer subjects and mathematical and statistical models.	Build basic programs using fundamental programming constructs ike variables, conditional logic, looping and functions in python.
		2) To understand the network protocols, architectures.	To devlope skills to design and analyse simple linear and nonlinear data stucture.
		3)able to apply knowledge of Software Defined Networking as per industry standards.	Define and describe the fundamental elements of relational database management system.
		4)To provide students with theoretical knowledge and practical skills in advanced topics in database systems,	To understand protocols in networking and how networking is done

sem IV	**USIT401 Skill Enhancement Course Core Java 2** **USIT402 Core Subject Introduction to Embedded Systems 2** **USIT403 Core Subject Computer Oriented Statistical Techniques 2** **USIT404 Core Subject Software Engineering 2** **USIT405 Core Subject Computer Graphics and Animation 2**	1)Understand basic components and functionalities of Embedded System including its hardware	Review the fundamental concepts of a computer graphics and implementation of basic algorithms.
		2)The course is designed to enable students, to understand and implement JAVA in industry.	To obtain an intuitive and working, understnding of statistical methods.
		3)Effectively achieve collaboration of various technologies in Embedded System and enable the same using software programming like Python, Embedded C	Students will be capable to acquire the generic software development skill through various stages of software life cycle.
		4)Able to use efficient soft skills for professional development.	Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs.
sem V	**USIT501 Software Project Management 2** **USIT502 Internet of Things 2** **USIT503 Advanced Web Programming 2** **USIT504 Artificial Intelligence 2** **USIT507 Next Generation Technologies 2**	1)Broad understanding of latest technological trends.	To enable students to have skills that will help them to solve complex real-world problems in for decision support.
		2)Design and executive projects in IoT with Automatic Identification and Data Capture.	Gain a thorough understanding of the philosophy and architecture of Web applications using ASP.NET
		3)to understand and implement IoT in industry.	Learners will be able to know advanced concepts of IoT and recent trends in them.
		4)To apply programming and computational skills for industrial solutions.	To introduce the tools required to manage and analyze big data like mongodb, NoSql MapReduce.
sem VI	**USIT601 Software Quality Assurance 2** **USIT602 Security in Computing 2** **USIT603 Business Intelligence 2** **USIT605 Enterprise Networking** **USIT606 IT Service Management 2**	1)Inclusion of Project as part of the internal assessment is an attempt to translate theory into practice.	To understand the state-of-the-art in network protocols, architectures and applications. Analyze existing network protocols and networks.
		2)To Expand Students, view and introduce advanced topics and Business Intelligence.	To teach the fundamental techniques and principles in achieving big data analytics with scalability and streaming capability.
		3)Focus on using open source softwares.	To develop the foundation for the study of security and its use in computing.
		4)Understand and develop analytics for social media data.	Understand ways to protect system and digital assets