

COURSE- BSc (Hons) IT

PO No	Program Outcome (PO) After completing the three year degree program , student will be able to :
PO1	Develop their knowledge practically in a scientific manner, get the experience to work independently and express their knowledge on different academic issues and Apply the knowledge of electronics and Computer to manage the different problems and projects effectively.
PSO NO	Program Specific Outcome(PSO) After Completing Bachelor of Honors in Information Technology , the student will be equipped to :
PSO1	Make the complete analysis of the IT infrastructure and use the skills for the implementation of the real world problems using latest tools and Computer Language.

Course Outcomes	
Semester-I Course: BSIT-101 Communication Skills (English) At the end of the course student should be able to :	
CO-101	Analyze the difference between Verbal Communication and Non Verbal Communication, Practice dynamics of Professional presentations get the knowledge how to write letters both personal and professional.

Semester-I Course: BSIT-102 Mathematical foundations for Information Technology-I
At the end of the course student should be able to :

CO-102 **Linear equations of higher order with constant coefficient, Homogenous linear equations And Finite and infinite sets, Mathematical induction, principle of inclusion and exclusion, multi-sets, properties of binary relations.**

Semester-I Course: BSIT-103 Fundamental of EM Waves
At the end of the course student should be able to :

CO-103 **To solve mathematical expression of Maxwell, Gauss divergence theorem and strokes theorem and Differentiate different AC circuits and perform circuit analysis.**

Semester-I Course: BSIT-104 Electronic Devices and Circuits
At the end of the course student should be able to :

CO-104 **Demonstrate about semiconductor, types of semiconductors and transistor working, transistor as an amplifier, MOSFET and its characteristics.**

Semester-I Course: BSIT-105 Electronic Communication-I
At the end of the course student should be able to :

CO-105 **Explain Communication model. Differentiate between different types of modulation and demodulation techniques and perform Qualitative and Quantitative analysis.**

Semester-I Course: BSIT-106 Computer Fundamentals
At the end of the course student should be able to :

CO-106	Know about different secondary storage devices such as Magnetic disk, Floppy Disk, Winchester Disk, Mass Storage, Optical Disk, Software and Hardware, Types of softwares: System Software (Meaning and its type), Application software, Acquiring Software, Software Development Steps, Firmware, Middleware.
Semester-II Course: BSIT-201 Communication Skills (English)-II At the end of the course student should be able to :	
CO-201	Learn to write appreciation letters, making quotations, proposals, letter of recommendation and Concept of - Articles, agreement between verb and subject, Tenses, Active and passive voice, Auxiliaries.
Semester-II Course: BSIT-202 Mathematical foundations for Information Technology-II At the end of the course student should be able to :	
CO-202	Idea of Computational Techniques such as Bolzano/Bisection Method, Regula Falsi Method, Newton Raphson Methods and their Convergence and Concept of solving Simultaneous linear Equations, Gauss Elimination Method, Gauss Jordan Method, Triangularization Method.
Semester-II Course: BSIT-203 Applications of EM Wave At the end of the course student should be able to :	
CO-203	Explain Basic antenna operation and their different characteristics and different types of antenna and Demonstrate High frequency directional antennas with their applications.
Semester-II Course: BSIT-204 Digital Electronics-I At the end of the course student should be able to :	
CO-204	Explain and solve problems of Different Number Systems and different Logic

	gates with their symbols and truth tables. Able to apply different Boolean algebra laws and principles.
Semester-II Course: BSIT-205 Electronic Communication-II At the end of the course student should be able to :.	
CO-205	Explain different error controlling techniques in detail. Explain error detecting and correcting codes.
Semester-II Course: BSIT-206 Programming Techniques At the end of the course student should be able to :.	
CO-206	Learn the Purpose of program planning, Use, Symbols Used and Levels of Flowcharts and Build the concept of algorithm.
Semester-III Course: BSIT-301 Circuit Analysis & Digital Electronics-II At the end of the course student should be able to :.	
CO-301	The students will be able to gain the knowledge of different methods to solve the circuit problems and also understand the concept of designing combination and sequential circuits such as encoders, decoders and counters using multiplexers, and flip - flops
Semester-III Course: BSIT-302 Transistor and Linear Integrated Circuits At the end of the course student should be able to :.	
CO-302	The students will be able to learn the different fabrication technologies to make the integrated circuits (ICs) and working of the operational amplifier IC.
Semester-III Course: BSIT-303 Telecommunication & Networking-I At the end of the course student should be able to :.	

CO-303	The students will gather the knowledge of Structure of the telephone system, different Multiplexing techniques: FDM, WDM and TDM. Understand the concept of switching and computer network in detail.
Semester-III Course: BSIT-304 Microprocessor Architecture and Programming-I At the end of the course student should be able to :.	
CO-304	The objective of this course is to become familiar with the architecture and the instruction set of SAP- I, SAP-II and SAP-III Understand the architecture of 8085 and various interrupts types in 8085.
Semester-III Course: BSIT-305 Operating System – I At the end of the course student should be able to :.	
CO-305	Understand various process management concepts including scheduling and its different type and Demonstrate the Cooperating Processes, Inter-process Communication: Producer Consumer Problem, Process Synchronization: Critical Section, Hardware supported solutions, Software solutions.
Semester-III Course: BSIT-306 Computer Programming with C – I At the end of the course student should be able to :.	
CO-306	Understand the basics of C, Constants & Variables and their declarations, Symbolic Constants, Comments in C, expressions & statements, operators in C, Library functions.
Semester-IV Course:BSIT-401 Digital Electronics-III At the end of the course student should be able to :.	
CO-401	Enhance the design logics of digital circuits. the students will be able to design different shift registers and learn the uses of Analog to Digital and Digital to Analog converter .

Semester-IV Course: BSIT-402 Oscillators and Multivibrators At the end of the course student should be able to :.	
CO-402	The students will be able to learn the applications of operational amplifier, different feedback topologies applied in amplifiers, effect of negative feedback on various parameters of amplifiers.
Semester-IV Course: BSIT-403 Telecommunication & Networking-II At the end of the course student should be able to :.	
CO-403	Network Devices such as repeaters, hub, bridge, switch, gateways, router, connectors and transceivers.
Semester-IV Course: BSIT-404 Microprocessor Architecture and Programming-II At the end of the course student should be able to :.	
CO-404	Describe interfacing of various peripheral devices such as 8255 and 8254 with 8085 microprocessor and learn architecture of 8086 microprocessor and different instructions and flags used in 8086.
Semester-IV Course: BSIT-405 Operating System-II At the end of the course student should be able to :.	
CO-405	Understand the process management policies and scheduling of processes by CPU.
Semester-IV Course: BSIT-406 Computer Programming with C – II At the end of the course student should be able to :.	
CO-406	Understand the concept of the Preprocessor, File inclusion directives, Macro substitution directives, compiler control directives, other directives.
Semester-V Course: BSIT-501 Computer System Architecture-I At the end of the course student should be able to :.	
CO-501	Understand the computer System organization, design of ALU, the register transfer, Bus and Memory Transfers, Arithmetic Micro operations.

Semester-V Course: BSIT-502 Programming In C++ – I At the end of the course student should be able to :	
CO-502	Replicate the concept of OOPS and Understand the concept of Array, Strings, Structures , Union and Pointers.
Semester-V Course : BSIT-503 Web-Site Design Implementing Basic Design Tools-I At the end of course student should be able to:	
CO-503	Understand various HTML tags, tables, Frames and Forms.
Semester-V Course : BSIT-504 Internet Concepts & Applications-I At the end of course student should be able to:	
CO-504	Get Knowledge about e-mail concepts , e- mail tasks, e- mail attachments, mailing lists, filtering e- mails , controlling e-mail spam.
Semester-V Course : BSIT-505 Microprocessor Architecture and Programming-III At the end of course student should be able to:	
CO-505	Perform interfacing of A/D and D/A converters with 8086 and write small programs for it and different Stack and interrupt structure of 8086, types of interrupts. Write programs using interrupts. Explain different interconnection topologies.
Semester-VI Course : BSIT-601 Computer System Architecture-II At the end of course student should be able to:	
CO-601	Understand the concept of Parallel Processing, pipelining, Instruction Pipeline, Risc Pipeline, Vector Processing. Learn the concept of multiprocessor, interconnection structures.

Semester-VI Course : BSIT-602 Programming In C++ – II

At the end of course student should be able to:

CO-602

Understand the Virtual functions, virtual base class, template class definition , instantiation and Specialization: its static members)and Develop different Applications using formatted, unformatted I/O operations and Exception handling methods

Semester-VI Course : BSIT-603 Web-Site Design Implementing Basic Design Tools-II

At the end of course student should be able to:

CO-603

Understand the concept Frames ,Creating frameset documents, Nested Frame Set , In Line Frames and Understand the concept of Extensible Markup Language (XML).

Semester-VI Course : BSIT-604 Internet Concepts & Applications –II

At the end of course student should be able to:

CO-604

Learn about Computer security methods such as cryptography, data encryption standards, breaches of security, security of measures. Classification of virus, prevention and cure, cookies.

Semester-VI Course : BSIT-605 Embedded Systems & 8051 Microcontroller

At the end of course student should be able to:

CO-605

Describe the basics of Microcontrollers, its architecture, memory type and Explain RISC and CISC architecture, different Memory devices used in embedded system.

