



Hindi Vidya Prachar Samiti's

Ramniranjan Jhunjhunwala College

of Arts, Science & Commerce

(Autonomous College)

Affiliated to

UNIVERSITY OF MUMBAI

Mapping of the courses to Employability / Entrepreneurship / Skill Development

Program: B.Sc. INFORMATION TECHNOLOGY

Program Code: RJSUIT

(CBCS 2020-21)

Mapping of the courses to Employability / Entrepreneurship / Skill Development

Class	Course Name	Course Code	Topics focusing on Employability / Entrepreneurship / Skill development	Employability / Entrepreneurship / Skill development
FYBSc	Imperative Programming	RJSUIT101	Unit I : Introduction, Fundamentals of Programming language, Tokens, Data Types, Expressions and constants. Unit II: Operators and Expressions, Data Input and Output Unit III : Conditional Statements and Loops, Functions Unit IV :Program structure, Preprocessor, Arrays Unit V :Pointers, Structures and Unions , Working with file	1. Skill Enhancement 2. Analytical Skills 3. Logical reasoning skills 4. Interpretation Skills
	Digital Electronics	RJSUIT102	Unit I :Number System, Binary Arithmetic Unit II:Boolean Algebra and Logic Gates, Minterm, Maxterm and Karnaugh Maps Unit III :Combinational Logic Circuit, Arithmetic Circuits Unit IV :Multiplexer, Demultiplexer, ALU, Encoder and Decoder, Sequential Circuits: Flip-Flop Unit V :Counters, Shift Register	1. Skill Enhancement 2. Logical Reasoning skills 3. Problem Solving skills 4. Development Skills 5. Employability 6. Logic circuit design and building
	Operating Systems	RJSUIT103	Unit I : Introduction to Operating system, Processes and Threads Unit II: Memory Management, File Systems Unit III :Input-Output, Deadlocks Unit IV :Virtualization and Cloud, Multiple Processor Systems	1. Skill Enhancement 2. Analytical Skills

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			Unit V :Case Study on LINUX and ANDROID, Case Study on Windows	
	Discrete Mathematics	RJSUIT104	Unit I : Set Theory, The Logic of Compound Statements, Quantified Statements Unit II: Elementary Number Theory and Methods of Proof, Indirect Argument Unit III :Sequences, Mathematical Induction, and Recursion, Functions Unit IV :Graphs and Trees, Relations Unit V :Counting and Probability	1. Skill Enhancement 2. Logical Reasoning skills 3. Problem Solving skills
	Communication Skills	RJSUIT105	Unit I : The Seven C's of Effective Communication, Understanding Business Communication Unit II: Writing Business Messages and Documents, Developing Oral Communication Skills for Business, Presentation Process Unit III : Developing Oral Communication Skills for Business -Interviews , Meetings Unit IV : Developing Oral Communication Skills for Business -Group Discussions and Team Presentations, Communication Across Functional Areas Unit V: Understanding Specific Communication Needs	1. Skill Enhancement 2. Analytical Skills 3. Interpersonal skills 4. Listening skills 5. Team work
	Imperative Programming Practical	RJSUITP101	Using C++ Programming Language	1. Skill Enhancement 2. Analytical Skills

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	Digital Electronics Practical	RJSUITP102	Designing and Building logic circuits	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Designing Skills
	Operating Systems Practical	RJSUITP103	Linux OS installation, basic commands, advanced commands	<ol style="list-style-type: none"> 1. Skill Enhancement 2. System management skill
	Discrete Mathematics Practical	RJSUITP104	Implementation of different mathematical algorithms and methods	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical Reasoning skills 3. Problem Solving skills 4. Creative development skills
	Communication Skills Practical	RJSUITP105		<ol style="list-style-type: none"> 1. Skill Enhancement 2. Oratory skills 3. Interpersonal skills 4. Listening skills 5. Writing skills
	Python Programming	RJSUIT201	Unit I - Basic Programming Concepts. Unit II - Functions, Strings Unit III - Lists, Tuples, Dictionaries. Unit IV - Object Oriented Concepts using python Unit V - Regular Expressions.	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Logical reasoning skills 4. Program development skills 5. Employability – developing small projects
	Microprocessor Architecture	RJSUIT202	Unit I :Microprocessor, microcomputers, and Assembly Language, Architecture and Microcomputer System 8085 Microprocessor Architecture and Memory	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Logical reasoning skills

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			<p>Interface</p> <p>Unit II: Interfacing of I/O Devices, Introduction to 8085 Assembly Language Programming, Introduction to 8085 Instructions</p> <p>Unit III :Programming Techniques With Additional Instruction, Counters and Time Delays, Stacks and Subroutines</p> <p>Unit IV :Code Conversion, BCD Arithmetic, and 16-Bit Data Operations, Software Development System and Assemblers, Interrupts</p> <p>Unit V :Introduction to 16 bit microprocessor – 8086, Introduction to 32 bit microprocessor -80286, 80386 and 80486, Introduction to Intel Pentium Processor</p>	4. Assembly language development
	Web Programming	RJSUIT203	<p>Employability</p> <p>Unit I : Internet and the World Wide Web, Introduction to HTML5</p> <p>Unit II:HTML5 Page layout and navigation, HTML5 Tables, Forms and Media</p> <p>Unit III :Introduction to JavaScript, Operators, Statements, Core JavaScript (Properties and Methods) Document and its associated objects, Events and Event Handlers</p> <p>Unit IV :Introduction to PHP</p> <p>Unit V :Advanced PHP and MySQL</p>	<p>1. Skill Enhancement</p> <p>2. Analytical Skills</p> <p>3. Logical reasoning skills</p> <p>4. Program development skills</p> <p>5. Employability – web site development</p>
	Numerical and Statistical Methods	RJSUIT204	<p>Unit I :Mathematical Modeling and Engineering Problem Solving, Approximations and</p>	<p>1. Skill Enhancement</p> <p>2. Analytical Skills</p>

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			Round-Off Errors Truncation Errors and the Taylor Series Unit II: Solutions of Algebraic and Transcendental Equations, Interpolation Unit III :Solution of simultaneous algebraic equations (linear) using iterative methods, Numerical differentiation and Integration, Numerical solution of 1st and 2nd order differential equations Unit IV :Least-Squares Regression, Linear Programming Unit V :Random variables, Distributions	3. Logical reasoning skills
	Green Computing	RJSUIT205	Unit I : Overview and Issues, Initiatives and Standards Unit II: Minimizing Power Usage, Cooling Unit III :Changing the Way of Work, Going Paperless Unit IV :Recycling, Hardware Considerations Unit V :Greening Your Information Systems, Staying Green	1. Skill Enhancement 2. Analytical skills 3. Research skills 4. Employability in areas of environment impact assessment
	Python Programming Practical	RJSUITP201	Using Python Programming Language	1. Skill Enhancement 2. Analytical Skills 3. Logical reasoning skills 4. Program development skills 5. Employability – developing small projects

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	Microprocessor Architecture Practical	RJSUITP202	Developing Assembly Language Programs	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Logical reasoning skills 4. Program development skills
	Web Programming Practical	RJSUITP203	Developing Web Applications, connecting to data	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Logical reasoning skills 4. Program development skills 5. Employability in web site development
	Numerical and Statistical Methods Practical	RJSUITP204	Implementing numerical methods in algorithms	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Logical reasoning skills
	Green Computing Practical	RJSUITP205	Case study on Green technology	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Research skills 4. Employability in field of environment conservation
SYBSc	Object Oriented Programming	RJSUIT301	Unit I : Principles of OOPS: OOPS, Introduction to classes and Objects. Unit II : Introduction to JAVA Basic Concepts Unit III : Polymorphism, Inheritance Unit IV : Interfaces, Multi-threaded programming.	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Logical Reasoning skills 4. Programming skills

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			Unit V : Exception handling, Packages, Managing I/O files.	
	Data Structures	RJSUIT302	Unit I : Introduction, Array Unit II: Linked List Unit III :Stack, Queue Unit IV :Sorting and Searching Techniques, Tree, Advanced Tree Structures Unit V :Hashing Techniques, Graph	1. Skill Enhancement 2. Analytical Skills 3. Logical Reasoning skills 4. Programming skills
	Computer Networks	RJSUIT303	Unit I: Introduction, Network Models, Introduction to Physical layer, Digital and Analog transmission Unit II: Bandwidth Utilization: Multiplexing and Spectrum Spreading, Transmission media, Switching, Introduction to the Data Link Layer Unit III: Data Link Control, Media Access Control, Wireless LANs, connecting devices Unit IV: Introduction to the Network Layer, Unicast Routing, Next generation IP Unit V: Introduction to the Transport Layer, Standard Client Server Protocols	1. Skill Enhancement 2. Analytical Skills 3. Design skills 4. Debugging skills
	Database Management Systems	RJSUIT304	Unit I : Introduction to Databases, Data Models, ER Diagram and Database Schema. Unit II: Relational database model, Relational Algebra and Calculus Relational algebra, Calculus Unit III :Constraints, Views and SQL Unit IV :Transaction management and	1. Skill Enhancement 2. Analytical Skills 3. Design skills 4. Management skills 5. Employability in field of database administration

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			Concurrency Unit V :PL-SQL	
	Applied Mathematics	RJSUIT305	Unit I : Matrices, Complex Numbers Unit II: Equation of the first order and of the first degree, Linear Differential Equations with Constant Coefficients Unit III: The Laplace Transform, Inverse Laplace Transform Unit IV: Multiple Integrals, Applications of integration Unit V: Beta and Gamma Functions, Differentiation Under the Integral Sign, Error Functions	1. Skill Enhancement 2. Analytical Skills 3. Problem solving skills
	Object Oriented Programming Practical	RJSUITP301	Object Oriented Programming with JAVA Practical	1. Skill Enhancement 2. Analytical Skills 3. Design skills 4. Debugging skills
	Data Structures Practical	RJSUITP302	Implementing different data structures in application programs	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Design skills
	Computer Networks Practical	RJSUITP303	Implement different network protocols using software simulator tools	1. Skill Enhancement 2. Design skills 3. Employability in field of networking as system engineer
	Database Management Systems Practical	RJSUITP304	Creating database, storing data, retrieving data using SQL and PLSQL	1. Skill Enhancement 2. Analytical Skills 3. Design skills 4. Employability in field of data base administration.

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	Mobile Programming Practical	RJSUITP305	Android development using App Inventor and App Inventor IDE	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Design skills 5. Employability as app designer 6. Entrepreneurship as a free-lance mobile app developer
	Advanced Java	RJSUIT401	Unit -I : Introduction- Applet, AWT, Event Handling Unit - II : Java EE Architecture, Server and Containers, Working with Servlet Unit - III : Working with databases (JDBC) Unit - IV : Introduction To Java Server Pages Unit - V : Networking in Java, Introduction to Hibernate	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Design skills
	Introduction to Embedded Systems	RJSUIT402	Unit I : Introduction, Core of embedded systems, Characteristics and quality attributes of embedded systems Unit II: Embedded Systems – Application and Domain Specific, Embedded Hardware, Peripherals Unit III :The 8051 Microcontrollers, 8051 Programming in C Unit IV: Introduction to Arduino, Arduino Programming Unit V :Real Time Operating System (RTOS), Design and Development	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Design skills in field of hardware and software design. 5. Employability as embedded system designer

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	Computer Oriented Statistical Techniques	RJSUIT403	<p>Unit I :The Mean, Median, Mode, and Other Measures of Central Tendency, The Standard Deviation and Other Measures of Dispersion, Introduction to R</p> <p>Unit II:Moments, Skewness, and Kurtosis, Elementary Probability Theory, Elementary Sampling Theory</p> <p>Unit III :Statistical Estimation Theory, Statistical Decision Theory, Statistics in R</p> <p>Unit IV :Small Sampling Theory, The Chi-Square Test</p> <p>Unit V :Curve Fitting and the Method of Least Squares, Correlation Theory</p>	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
	Software Engineering	RJSUIT404	<p>Unit I :Introduction, Software Requirements, Software Processes, Software Development Process Models, Agile software development</p> <p>Unit II: Socio-technical system, Critical system, Requirements Engineering Processes, System Models</p> <p>Unit III :Architectural Design, User Interface Design, Project Management, Quality Management</p> <p>Unit IV :Verification and Validation, Software Testing, Software Measurement, Software Cost Estimation</p> <p>Unit V :Process Improvement, Service</p>	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Writing skills 5. Research skills 6. Design skills

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			Oriented Software Engineering, Software reuse, Distributed software engineering	
	Computer Graphics and Animation	RJSUIT405	Unit I : Introduction to Computer Graphics, Scan conversion Unit II: Two-Dimensional Transformations, Three-Dimensional Transformations Unit III :Viewing in 3D, Light, Color Models and Color Applications Unit IV :Visible-Surface Determination, Plane Curves and Surfaces Unit V :Computer Animation, Image Manipulation and Storage	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Design skills 5. Programming skills 6. Employability as graphic designer
	Advanced Java Practical	RJSUITP401	Practical on all concepts in advanced Java theory paper	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Design skills
	Introduction to Embedded Systems Practical	RJSUITP402	Embedded C programming Arduino Programming	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Design skills
	Computer Oriented Statistical Techniques Practical	RJSUITP403	Implementation of statistical concepts	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
	Software Engineering Practical	RJSUITP404	Developing the document for a software project	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Research skills 3. Analytical Skills 4. Design skills 5. Team building skills

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	Computer Graphics and Animation Practical	RJSUITP405	Implementation of Graphic functions	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
TYBSc	Software Project Management	RJSUIT501	<p>Unit I :Introduction to Software Project Management, Project Evaluation and Programme Management, Overview of Project Planning</p> <p>Unit II: Selection of an Appropriate Project Approach, Software Efforts Estimation</p> <p>Unit III :Activity Planning, Risk Management, Resource Allocation</p> <p>Unit IV :Monitoring and Control, Managing Contracts, Managing People in Software Environments</p> <p>Unit V :Working in Teams, Software Quality, Project Closeout</p>	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Implementation skills 5. Management skills
	Internet of Things	RJSUIT502	<p>Unit I :Overview of Internet of things, Design Principles for Connected Devices, Internet Principles, M2M and IoT Fundamentals</p> <p>Unit II:Thinking About Prototyping, Prototyping Embedded Devices, An Overview, IP,TCP, The IP Protocol Suite (TCP/IP), UDP, IP Addresses</p> <p>Unit III :Prototyping the Physical Design, Prototyping Online Components Writing Embedded code,</p>	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Design and development skills 3. Research skills 4. Employability in the field of IOT programmer 5. Entrepreneurship – development of IOT gadgets and their framework

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			Prototyping Embedded Devices Unit IV :Techniques for Writing Embedded Code, Business Models Unit V : Moving to Manufacture, Ethics	
	Advanced Web Programming	RJSUIT503	Unit I : Introduction to .NET and C# language, Types, Objects, and Namespaces Unit II: Web forms Fundamentals, Form Controls Unit III :Error Handling, Logging, and Tracing, State Management, Styles, Themes, and Master Pages Unit IV :ADO.Net Fundamentals, Data Binding, The Data Controls Unit V :XML, Security Fundamentals, ASP.NET AJAX	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Employability as .NET developer
	Linux System Administration	RJSUIT504	Unit I :Introduction to Red Hat Enterprise Linux, Command Line, System Administration Tasks, Managing Software Unit II: Configuring and Managing Storage, Connecting to the Network Unit III :Securing Server with ip tables, Setting Up Cryptographic Services, Configuring Server for File Sharing Unit IV :Configuring DNS and DHCP, Setting Up a Mail Server, Configuring Apache on Red Hat Enterprise Linux Unit V :Introducing Bash Shell Scripting, High-Availability Clustering,	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Management skills 5. Employability as Linux server administrator

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			Setting Up an Installation Server	
	Enterprise Java	RJSUIT505	<p>Unit I :Understanding Java EE, Java EE Architecture, Server and Containers, Introduction to Java Servlets, Servlet API and Lifecycle, Working With Servlets, Working with Databases.</p> <p>Unit II: Request Dispatcher, Cookies, Session, Working With Files, Working With Non-Blocking I/O</p> <p>Unit III :Introduction To Java Server Pages, Getting Started With Java Server Pages, Action Elements, Implicit Objects, Scope And El Expressions, Java Server Pages Standard Tag Libraries</p> <p>Unit IV :Introduction To Enterprise Java Beans, Working With Session Beans, Working with Message Driven Beans, Interceptors, Java Naming and Directory Interface Persistence, Object / Relational Mapping And JPA, Introduction to Java Persistence API, Writing JPA Application, Introduction to Hibernate</p> <p>Unit V - Introduction to Spring Framework: Dependency Injection, Spring Jdbc Template, Spring ORM, Spring Expression Language, Spring MVC.</p>	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Development skill 5. Employability in the field of software development
	Next Generation Technologies	RJSUIT506	<p>Unit I :Big data, NoSQL, Introduction to MongoDB</p> <p>Unit II: The MongoDB Data</p>	<ol style="list-style-type: none"> 1. Skill Enhancement

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			model, Using MongoDB Shell, MongoDB Architecture Unit III :MongoDB Storage Engine, MongoDB Use Cases, MongoDB Limitations, MongoDB Best Practices Unit IV :The End of Disk? SSD and In-Memory Databases, jQuery Unit V :JSON	<ol style="list-style-type: none"> 2. Logical reasoning skills 3. Analytical Skills 4. Program design skills 5. Debugging skills 6. Testing skills
TYBSc	Project Dissertation	RJSUIT5P1	Estimation and documentation of the project	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Research skills 3. Analytical Skills 4. Writing skills
	Internet of Things Practical	RJSUIT5P2	Implementation of IOT principles and building applications using Raspberry pi	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Programming skills 5. Employability as IOT developer
	Advanced Web Programming Practical	RJSUIT5P3	Implementation of AWP concepts to develop software programs	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Problem solving skills 5. Employability as software developer
	Linux Administration Practical	RJSUIT5P4	Installing and using different services of Linux	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills

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				4. System management skills
	Enterprise Java Practical	RJSUIT5P5	Implementing Java programs using different frameworks like hibernate	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Employability as software developer
	Next Generation Technologies Practical	RJSUIT5P6	Implementation and building of applications	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
	Software Quality Assurance	RJSUIT601	Unit I : Introduction to Quality, Software Quality Unit II: Fundamentals of testing. Unit III :Unit Testing: Boundary Value Testing, Equivalence Class Testing, Decision Table–Based Testing, Path Testing, Data Flow Testing. Unit IV :Software Verification and Validation, V-test Model Unit V :Levels of Testing, Special Tests	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Research skills 5. Management skills 6. Problem solving skills 7. Team building skills
	Security in Computing	RJSUIT602	Unit I : Information Security Overview, Risk Analysis, Secure Design Principles Unit II: Authentication and Authorization, Encryption, Storage Security, Database Security Unit III :Secure Network Design, Network Device Security, Firewalls,	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Employability in the field of cyber security

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			Wireless Network Security Unit IV :Intrusion Detection and Prevention Systems, Voice over IP (VoIP) and PBX Security, Operating System Security Models Unit V :Virtual Machines and Cloud Computing, Secure Application Design, Physical Security	
	Business Intelligence	RJSUIT603	Unit I :Business intelligence, Decision support systems Unit II: Mathematical models for decision making, Data mining, Data preparation Unit III :Classification, Clustering Unit IV :Business intelligence applications: Marketing models, Logistic and production models, Data envelopment analysis Unit V :Knowledge Management, Artificial Intelligence and Expert Systems	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Problem solving skills
	Principles of Geographic Information Systems	RJSUIT604	Unit I : The nature of GIS, Geographic Information and Spatial Database Models and Representations of the real world, Organizing and Managing Spatial Data The Temporal Dimension Unit II: Data Management and Processing Systems Hardware and Software Trends, Stages of Spatial Data handling, GIS and Spatial Databases Unit III :Spatial Referencing and Positioning, Satellite-based Positioning, Data	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Research skills 3. Analytical Skills 4. Employability in field of GIS

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			Entry and Preparation, Point Data Transformation Unit IV :Spatial Data Analysis, Classification of analytical GIS Capabilities, GIS and Application models, Error Propagation in spatial data processing Unit V :Data Visualization, GIS and Maps, The Visualization Process Visualization, Strategies: Present or explore?, Map Cosmetics, Map Dissemination, The cartographic toolbox	
	Enterprise Networking	RJSUIT605	Unit I :General Network Design, Network Design Models Unit II: Enterprise LAN Design, Data Center Design Unit III :Wireless LAN Design, WAN Technologies and the Enterprise Edge, WAN Design Unit IV :Internet Protocol Version 4,case Study, Internet Protocol Version 6 Unit V :Managing Security	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
	IT Service Management	RJSUIT606	Unit I :IT Service Management, Service Strategy Principles, Service Strategy, Challenges, Critical Success factors and risks Unit II: Service Design, Service Design Principles, Service Design Processes, Challenges, Critical Success factors and risks Unit III :Service Transition, Service Transition Principles, Service Transition Processes, Challenges, Critical Success	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Employability in the field of IT service management

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			<p>factors and risks</p> <p>Unit IV :Service Operation, Service Operation Principles, Service Operation Processes, Challenges, Critical Success factors and risks</p> <p>Unit V :Continual Service Improvement(CSI) Principles, CSI Process, CSI Methods and Techniques, Organising for CSI, Technology considerations, Implementing CSI</p>	
	Cyber Laws	RJSUIT607	<p>Unit I :Power of Arrest Without Warrant Under the IT Act, 2000, Cyber Crime and Criminal Justice: Penalties, Adjudication and Appeals Under the IT Act, 2000</p> <p>Unit II: Contracts in the Infotech World, Jurisdiction in the Cyber World</p> <p>Unit III :Battling Cyber Squatters and Copyright Protection in the Cyber World</p> <p>Unit IV :E-Commerce Taxation: Real Problems in the Virtual World, Digital Signature, Certifying Authorities and E-Governance</p> <p>Unit V :The Indian Evidence Act of 1872 v. Information Technology Act, 2000, Protection of Cyber Consumers in India</p>	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Analytical Skills 3. Writing skills 4. Research skill 5. Employability in field of cyber laws as cyber laws expert
	Software Quality Assurance Practical using tools –	RJSUITP601	<p>Manual Testing</p> <p>Automation Testing using Selenium- IDE, WebDriver, AutoIT and WAPT</p>	<ol style="list-style-type: none"> 1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills

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	Selenium, AutoIT			4. Testing skills 5. Problem solving skills
	Security in Computing Practical	RJSUITP602	Implementation of computer security	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
	Business Intelligence Practical	RJSUITP603	Building Business analysis solutions	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Problem solving skills
	Principles of Geographic Information Systems Practical	RJSUITP604	Implementation of GIS principles	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
	Enterprise Networking Practical	RJSUITP605	Implementing network models	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills
	Project Viva Voce	RJSUITP606	Implementation of the software project	1. Skill Enhancement 2. Logical reasoning skills 3. Analytical Skills 4. Team building skills