



Vidya Vikas Education Trust's
Lords Universal College, Goregaon West, Mumbai-400104
Affiliated to University of Mumbai

Bachelors In Science (Information Technology)

Semester-V

Course Code	Course Name	COs
USIT501 & USIT5P1	Software Project Management & Project Dissertation	<i>Students will be able to</i> 1. Discuss various types of projects. 2. Evaluate software project development mechanism. 3. Assess the metrics and measures while designing and developing the project. 4. Develop and prototype a project model and perform complete project evaluation. 4. Create a software-based solution to the problem definition with project planning and execution.
USIT502 & UST5P2	Internet of Things-Theory & Internet of Things- Practical	<i>Students will be able to</i> 1. Describe the design and architecture of IoT 2. Interpret and analyze various IoT enabled and connected devices 3. Discuss the ethical factors with respect to IoT devices.
USIT503 & USIT5P3	Advance Web Programming- Theory & Advance Web Programming- Practical	<i>Students will be able to</i> 1. Explain the .NET framework. 2. Apply form fundamentals and controls to design web pages. 3. Build web pages using various styling mechanism, avoiding common errors.



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		<p>4. Use data binding techniques and apply AJAX controls in web pages.</p> <p>5. Build a website as a whole using the skill set.</p>
USIT504 & USIT5P4	Artificial Intelligence- Theory & Artificial Intelligence- Practical	<p><i>Students will be able to</i></p> <ol style="list-style-type: none">1. Demonstrate knowledge of the building blocks of AI as presented in terms of intelligent agents.2. Analyze and formalize the problem as a state space, graph, design heuristics and select amongst different search or game based techniques to solve them.3. Develop intelligent algorithms for constraint satisfaction problems and also design intelligent systems for Game Playing.4. To impart basic proficiency in representing difficult real life problems in a state space representation so as to solve them using AI techniques like searching and game playing.5. To create an understanding of the basic issues of knowledge representation and Logic and blind and heuristic search, as well as an understanding of other topics such as minimal, resolution, etc. that play an important role in AI programs.
USIT506 & USIT5P6	Enterprise Java- Theory & Enterprise Java- Practical	<p><i>Students will be able to</i></p> <ol style="list-style-type: none">1. Apply servlets, sessions, cookies, beans and Java Server Pages to design server-side applications.



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		2. Design and develop JPA applications and build hibernate applications for real problems
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Semester-VI

Course Code	Course Name	COs
USIT601	SoftwareQuality Assurance	<i>Students will be able to</i> 1. Apply the concepts of quality at building a software. 2. Use benchmarking metrics to measure quality in software products. 3. Apply verification and validation methods to ensure continuous quality improvement.
USIT602 & USIT6P2	Security in Computing- Theory & Security in Computing- Practical	<i>Students will be able to</i> 1. Discuss network security at different levels of implementation. 2. Apply design principles for security in storage, database etc. 3. Design and build secure networks. 4. Evaluate wireless security, physical security and Cloud security.
USIT603 & USIT6P3	Business Intelligence - Theory & Business Intelligence -Practical	<i>Students will be able to</i> 1. Discuss various business intelligence mathematical models 2. Develop an interest towards data and its purpose



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		<ol style="list-style-type: none">3. Implement classification and clustering algorithms4. Apply knowledge management approaches and develop an intelligent system to facilitate better decision-making business intelligence systems.
USIT604 & USIT6P4	Principles of Geographic Information Systems– Theory & Principles of Geographic Information Systems– Practical	<p><i>Students will be able to</i></p> <ol style="list-style-type: none">1. Describe and explain fundamentals of Geographic information systems2. Interpret spatial data and query handling techniques3. Apply visualization tools and techniques for better spatial analysis
USIT607	Cyber Law	<p><i>Students will be able to</i></p> <ol style="list-style-type: none">1. Understand the legal frameworks and regulations governing cyberspace.2. Identify and analyse legal issues related to information technology.3. Evaluate the ethical implications of information technology practices.4. Apply security measures to protect information systems and data.5. Develop an understanding of the legal rights and responsibilities of individuals and organizations in cyberspace.