

JSM COLLEGE, ALIBAG
DEPARTMENT OF IT
PROGRAM OUTCOME

FYBSc IT (SEM I)

Sr. No.	Course code	Course name	Outcome
1	USIT101	Imperative Programming	to apply their knowledge and skills to be employed and excel in C programming and/or to continue their education in IT
2	USIT102	Digital Electronics	to think analytically, creatively and critically in developing robust, extensible and highly maintainable technological solutions to simple and complex problems.
3	USIT103	Operating System	to be capable of managing complex IT projects with consideration of the human, financial and environmental factors.
4	USIT104	Discrete Mathematics	To address students' difficulties with logic and language directly, and to enable students to develop the mental models needed to conceptualize more abstract problems.
5	USIT105	Communication Skills	to communicate effectively with a range of audiences both technical and non-technical.

FYBSc IT (SEM II)

Sr. No.	Course code	Course name	Outcome
1	USIT201	Object oriented Programming	to excel their knowledge and skills in C++ programming and/or to continue their education in IT
2	USIT202	Microprocessor Architecture	To be ready for new age technologies by applying machine level programming logic and electronics
3	USIT203	Web Programming	to think analytically, creatively and critically in developing robust, extensible and highly maintainable technological solutions to simple and complex problems.
4	USIT204	Numerical and Statistical Methods	To develop the programming logic and to maintain work ethics among the students
5	USIT205	Green Computing	to develop an aptitude to reduce the carbon footprints

SYBSc IT (SEM III)

Sr. No.	Course code	Course name	Outcome
1	USIT301	Python Programming	to apply their knowledge and skills to be employed and excel in Python programming and/or to continue their education in IT
2	USIT302	Data Structures	To add structure to the data that can make the algorithms much simpler, easier to maintain, and often faster.
3	USIT303	Computer Networks	To learn about the concepts and theories behind networking, and to master practical skills in areas like programming, routing, and security.
4	USIT304	Database Management Systems	To help to increase organizational accessibility to data, which in turn helps the end users share the data quickly and effectively across the organization.
5	USIT305	Applied Mathematics	To apply the knowledge of mathematics to problems which arise in various areas, e.g., science, engineering or other diverse areas.

SYBSc IT (SEM IV)

Sr. No.	Course code	Course name	Outcome
1	USIT401	Core Java	Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.
2	USIT402	Introduction to Embedded Systems	to enable the students to understand embedded-system programming and apply that knowledge to design and develop embedded solutions for interaction with peripheral devices.
3	USIT403	Computer Oriented Statistical Techniques	Obtain an intuitive and working understanding of numerical methods for the basic problems of numerical analysis and to gain experience in the implementation of numerical methods using a computer.
4	USIT404	Software Engineering	To develop methods and procedures for software development that can scale up for large systems and that can be used consistently to produce high-quality software at low cost and with a small cycle of time.
5	USIT405	Computer Graphics and Animation	To understand critical and aesthetic issues in computer graphics and mixed-media.

TYBSc IT (SEM V)

Sr. No.	Course code	Course name	Outcome
1	USIT501	Software Project Management	to achieve project goals and targets while keeping in mind the project scope, time, quality, and cost. It facilitates the project workflow with team collaboration on a single project.
2	USIT502	Internet of Things	To enable the interconnection and integration of the physical world and the cyber space.
3	USIT503	Advanced Web Programming	To develop a static, interactive and well-formed webpage using JavaScript, CSS3 and HTML5
4	USIT504	Artificial Intelligence	to enable computers to perform such intellectual tasks as decision making, problem solving, perception, understanding human communication
5	USIT505	Linux System Administration	to manage the operations of a computer system like maintain, enhance, create user account/report, taking backups using Linux tools and command-line interface tools
6	USIT506	Enterprise Java	To develop use of Java for application development in enterprise-scale software, and merges a collection of APIs and application servers that implement those APIs.
7	USIT507	Next Generation Technologies	to understand how to lower transaction costs, improve operational efficiency, and boost trade growth.

TYBSc IT (SEM VI)

Sr. No.	Course code	Course name	Outcome
1	USIT601	Software Quality Assurance	to provide information about the quality of the product to the relevant people by providing bug prevention and detection
2	USIT602	Security in Computing	To understand about confidentiality, integrity, availability, and nonrepudiation in computing
3	USIT603	Business Intelligence	To improve strategic decision-making and providing a competitive advantage using technology.
4	USIT604	Principles of Geographic Information Systems	To create conceptualized framework that provides the ability to capture and analyse spatial and geographic data.
5	USIT605	Enterprise Networking	To understand critical and aesthetic issues in computer graphics and mixed-media.
6	USIT606	IT Service Management	To analyze and determine the present IT infrastructure, services, and processes and to create management practices that are futuristic in nature.
7	USIT607	Cyber Laws	To create awareness among the users about the cybercrimes and cyber laws framed to protect the victims of cybercrime.

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