B. Voc. Information Technology

Vision

The Department aims to produce globally competent and value-oriented Information Technology Professionals equipped with quality education to meet the needs of the digital era and to serve the society at large.

Mission

- The Department provides effective teaching and training in a conducive learning environment with relevant curriculum and state-of-the-art infrastructure to meet the needs of IT Sector and for the betterment of humanity.

Programme Outcomes

1. Disseminate and demonstrate appropriate understanding on facts, concepts, principles theories and techniques in the disciplines of study by developing suitable applications.
2. Ability to analyze, synthesize and interpret domain specific facts or data accurately to determine the right course of action.
3. Critically think and develop new techniques, evaluate practices and theories by employing scientific approach to knowledge development.
4. Apply the acquired competencies to solve diversified real-life problems related with the area of study and its interlinked fields.
5. Able to communicate effectively and appropriately and be able to handle digital   devices, tools and applications to accomplish professional responsibilities.
6. Possess employability skills acquired through industrial training and internships on the opted NSQF (National Skill Qualification Framework) Job Roles or exhibit entrepreneurial skills to establish own businesses.
7. Able to work effectively with coordinated efforts as a team and be able to facilitate and motivate the members of the team to move forward in the right direction to reach the goal or achieve the target.
8. Appreciate and embrace moral values in life and follow ethical practices in every social and professional ventures.
9. Aptitude to handle every professional or personal role independently and efficiently by diligent acquisition of knowledge and skills throughout the life.

Programme Specific Outcomes

1. Make use of the fundamental principles of Information Technology, Computing Systems and Database Applications, Software Tools, Data Structures, Algorithms and Mathematical Aptitude to build solutions for real world problems.
2. Utilize the concepts of Database, Networking, Multimedia and Operating Systems to design and develop Software Applications for a variety of environments using programming languages and tools such as C, C++, Java, PHP, MySQL, Python etc. employing Software Engineering principles and practices
3. Able to work with confidence on areas of current technological developments involving Internetworking, Information Security, Mobile Computing, Distributed Computing and Internet of Things along with their standards, protocols, architectures and services.
4. Exhibit effectiveness in communicating and promoting services and products and also be able to handle personal and professional responsibilities ethically, restricting all activities within the legal boundaries.

M. Sc. Information Technology

Vision

The Department aims to produce globally competent and value-oriented Information Technology Professionals equipped with quality education to meet the needs of the digital era and to serve the society at large.

Mission

- The Department provides effective teaching and training in a conducive learning environment with relevant curriculum and state-of-the-art infrastructure to meet the needs of IT Sector and for the betterment of humanity.

Programme Outcomes

1. Disseminate and demonstrate advanced knowledge in Information Technology and related disciplines by creating relevant real-time applications.
2. Exhibit aptitudes to analyze, synthesize and interpret domain specific facts or data scientifically to determine the appropriate course of action.
3. Critically think and develop new techniques, evaluate practices and theories by following scientific approach to knowledge development.
4. Use the acquired academic competencies to solve diversified real time problems related with the area of study and its interlinked fields.
5. Ability to identify and define problems; organize, test, analyze, interpret and draw conclusions from the available data; in order to plan, execute and report the results of scientific experiments or investigations.
6. Able to work effectively by providing coordinated effort and act together as a team employing suitable communication, reliability and adaptability.
7. Exhibit suitable managerial skills to influence and lead the people in the right direction smoothly and efficiently.
8. Appreciate and embrace moral values in life and follow ethical practices in every social   and professional ventures.
9. Aptitude to handle every professional or personal role independently and efficiently by diligent acquisition of knowledge and skills throughout the life.

Programme Specific Outcomes

1. Exhibit understanding in the principles and techniques employed for acquiring, storing,   retrieving, processing and disseminating Information with the aid of core knowledge in Object Oriented Techniques, Operating Systems, Networking and Database Concepts.
2. Apply the concepts of Programming along with Database, Networking and Operating   Systems to design and develop variety of Web and Mobile based Applications with suitable Programming Languages, tools and techniques for diversified platforms with   the aid of software blueprints by integrating the concepts of Unified Modeling Language, Software Engineering and Object Oriented Approach.
3. Predict the possible threats or problems and recommend remedial measures for various issues related with Network Security, Protocols and Architecture and also to provide integrated solutions for real time oriented problems involving Internet of Things, Cloud Computing, Data Science, Artificial Intelligence and Machine Learning.
4. Familiarize and enhance the knowledge in recent technologies such as Network Security, Cyber Crimes, Computer Forensics, Cyber Laws, Internet of Things, Cloud Computing, Data Science, Artificial Intelligence, Human Computer Interaction and   Machine Learning.