



UNDER CSI

DEPARTMENT OF INFORMATION TECHNOLOGY



"Individual science fiction stories may seem as trivial as ever to the blinder critics and philosophers of today - but the core of science fiction, its essence has become crucial to our salvation if we are to be saved at all."

Isaac Asimov

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IT is the area of managing technology and spans a wide variety of areas that include computer software, information systems, computer hardware, programming languages but are not limited to things such as processes, and data constructs.

IT professionals perform a variety of functions (IT Disciplines/Competencies) that ranges from installing applications to designing complex computer networks and information databases. A few of the duties that IT professionals perform may include data management, networking, engineering computer hardware, database and software design, as well as management and administration of entire systems

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Department Vision and Mission

Vision

- To achieve excellent standards of quality education by keeping pace with rapidly changing technologies.
- To create technical manpower of global standards with capabilities of accepting new challenges in Information Technology.

Mission

- To create competent and trained professionals in information technology who shall contribute towards the advancement of engineering, science and technology & useful for the nation.
- To impart quality and value based education to raise satisfaction level of all stakeholders.
- To apply new developments in Information Management and provide all possible support to promote research & development

Programme Educational Objectives

The educational objectives of the Information Technology programme are designed to produce competent engineers who are ready to contribute effectively to the advancement of information technology causes and to accommodate the needs of the profession. The graduates shall:

1. Practice Information Technology in the general disciplines of design, development & deployment of software and integration of existing technologies for e-governance nationwide.
2. Apply fundamental technical knowledge and skills to provide workable solutions to problems in various areas of IT.
3. Pursue higher education, research and development and deploy creative efforts in the area of Information Technology.
4. Use the acquired knowledge in societal and environmental sensitive manner with professional ethics in a team.

Programme Outcomes

1. **PO1: Apply the knowledge of mathematics, science, engineering skills and information technology deployment that will contribute towards the advancement of engineering, science and technology & useful for the nation.**
2. **PO2: Identify, formulate, investigate, analyze & conduct investigations of complex engineering problems using state of the art knowledge and research methods, analysis and interpretation of data, and synthesis of the information to provide valid conclusions & solutions.**
3. **PO3: Develop solutions for complex engineering problems and design system component or processes that meet the specified needs considerations for public health and safety, and the cultural, societal, and environmental considerations.**
4. **PO4: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling of complex engineering activities, with an understanding of their limitations.**
5. **PO5: Apply contextual knowledge to assess societal, environmental, legal, health, safety, cultural and ethical issues and the consequent responsibilities relevant to IT profession.**
6. **PO6: Function effectively as an individual and as a member or leader in diverse teams and in multi disciplinary environment.**
7. **PO7: Communicate effectively on complex engineering activities with the engineering community and with society at large, through reports, make effective presentations and give and receive clear instructions.**
8. **PO8: Demonstrate knowledge and understanding of project management, finance management principles and systems working and apply these to manage large IT projects in multidisciplinary environments.**
9. **PO9: Recognize the need for independent and lifelong learning to remain active in profession and for personal growth.**

UG PROJECT PROGRESS SEMINARS HELD IN PRESENCE OF COLLEGE EXPERT COMMITTEE & INDUSTRY EXPERT

Project progress seminar for UG VIII semester students had been organized on 06th January in D-24 conference room. Industry expert Mr. Ajay Garg , Dean III cell Prof. K. D. Joshi, H.O.D of IT department Prof. N. A. Chavhan ,and all staff members were present during the event. They guided the students and gave suggestions for their project.

PROF. G. S. KHEKARE FROM INFORMATION ATTENDED SHORT TERM TRAINING PROGRAM (STTP) DURING 01 TO 05TH DEC 2014 AT SVNIT, SURAT



Short term Training program (STTP) on Advanced Engineering Optimization through Intelligent Techniques (AEOTIT) was organized by SVNIT Surat from 01 to 05th December 2014. Prof. G. S. Khekare from Information Technology Dept. participated in the workshop.

The workshop was focused on Multi-objective optimization, Multi- Attribute Decision Making and interdisciplinary case studies on it. Different experienced Professors from SVNIT

conducted the session on different areas. Dr. R. Venkata Rao gives a talk on MADM methods. Dr. Mukesh Zaveri gave a talk on Neural Network; Dr. R. Venkata Rao and Dr. D. P. Vekharria was the co-coordinator of the workshop

Based on the undertaken training, seminar was delivered by Prof. Prof. G. S. Khekare in DBMS lab of CSE Department to share the knowledge and experience based on the training attended on 13th December 2014. Around 15 faculty members of CSE, ETC, IT department were present for the seminar.

GUEST LECTURE ON TCP/IP



Department of Informaton Technology ,G.H .Raisoni College of Engineering, Nagpur had organized Expert Lecture on the topic “TCP/IP” on 28th January 2015 for VIII semester students. The resource person was **Mr. Saurabh , Software trainer and developer – IT NetworkZ, Nagpur.**

In this lecture, **Ms. Devinder Kaur** explained the basic concepts of OOP. Topics like inheritance, polymorphism, constructors, function overloading, operator overloading and exception handling were covered. Practical exposure on these areas was explained very well with some real time examples. This created awareness for the students towards their placement preparation. Students felt that this was useful for their exam point of view.

The students interacted lively with **Ms. Hemlata Jawanjan.** It was very

interactive session which has cleared all the doubts in students mind.