

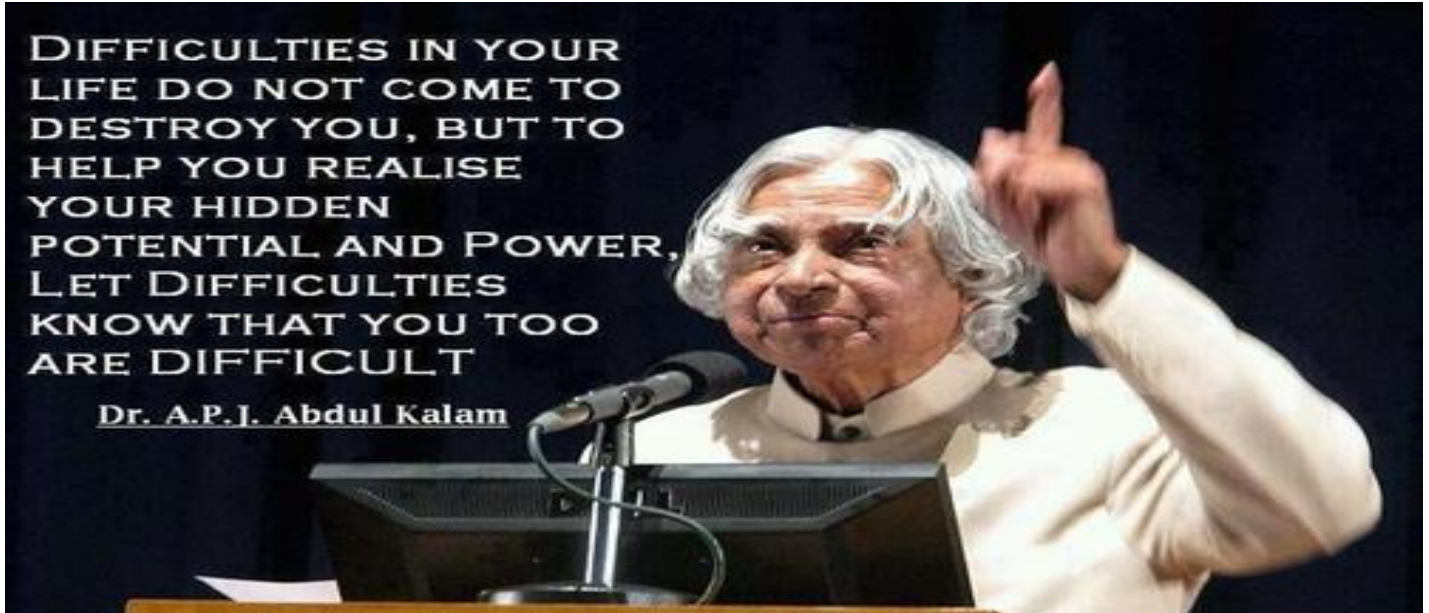


BITS NEWS E-BULLETIN



UNDER CSI

DEPARTMENT OF INFORMATION TECHNOLOGY



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.

Teacher In-charge
Ms. P. R. Maidamwar

Program Coordinator
Prof. N. A. Chavhan

EDITOR (Students)

Akshay.B.Londhe
(VII Sem)

Sushmita Guin
(VII Sem)

Animekh Misra
(V Sem)

Mayank Shastri
(III Sem)

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.**

GUEST LECTURE BY MR. SUDHANSHU JAIN ON CLOUD COMPUTING



Department of Information Technology ,G.H .Raisoni College of Engineering, Nagpur had organized Expert Lecture on the topic “**Cloud Computing**” on 22nd December 2015 for VI semester students. The resource person was **Mr. Sudhanshu Jain, Managing Director, Premium Learning Systems Pvt. Ltd., Jabalpur.**

In this lecture, **Mr. Sudhanshu Jain**, explain topics like What is cloud computing?, Cloud computing modules : SaaS, PaaS, IaaS, Real time implementations of Cloud computing around the world, Career in Cloud computing ,Your future as a Cloud computing expert, Code Vs Administration ,principles to become highly paid expert.

He further explained that cloud computing and storage solutions provide users and enterprises with various capabilities to store and process their data in third-party data centres. It relies on sharing of resources to achieve coherence and economies of scale, similar to a utility over a network. At the foundation of cloud computing is the broader concept of converged infrastructure and shared services.

The session was highly interactive and queries of students were clearly answered.

GUEST LECTURE BY MR. ASHISH PATEL ON ANDROID APPLICATIONS



Department of Information Technology ,G.H .Raisoni College of Engineering, Nagpur had organized Expert Lecture on the topic “**Android Applications**” on 22nd December 2015 for VI semester students. The resource person was **Mr. Ashish Patel, Chief Technical Officer, Vyako Technologies Pvt. Ltd. Nagpur.**

In this lecture, **Mr. Ashish Patel** introduced about How to take startup in developing Android Applications, the actual process to follow in developing projects, Career opportunities and scope to the IT students.

Later he discussed about introduction to Mobile Application Development, role of Android in mobile industry, introduction to Android SDK and its setup ,building the Application Framework. It included discussions on designing User Interfaces ,activities, services, intents, broadcast receivers ,resources, menus, content providers, dialogs, notifications, working with data, multimedia, location ,publishing the developed application into play store.

The session ended with a question answer round, where students clarified their doubts about different issues in cloud computing. The lecture was very much appreciated by all students and faculty members.

FIRST INTERNATIONAL CONFERENCE ON INFORMATION SECURITY & PRIVACY 2015 PUBLISHED BY ELSEVIER PROCEDIA CS ORGANIZED BY G.H.R.C.E. , NAGPUR



Department of Computer Science Engineering and Information Technology , G.H. Raison College of Engineering had organized First International Conference on Information Security & Privacy 2015 on 11th & 12th December 2015. ICISP 2015 proceedings will be published by Elsevier Procedia CS and technically Co-sponsored by Computer Society of India, ACM professional Chapter Nagpur and GHR Labs & Research Center Nagpur.

The inaugural function was presided over by in Swami Vivekananda Hall (F-21) at 11.00 am by chief guest Mrs. **Suchita Sakalkale**, ,Lead Business Systems Analyst/Scrum Master,Thomson Reuters, US Dallas and **Dr. Chitra Desai**, ,Professor, National Defense Academy, Pune, in presence of Director GHRCE Dr. P.R.Bajaj, deputy director Dr. P.B. Nagarnaik, deputy director Dr. A.Y.Deshmukh, dean R &D Dr. U.S. Wankhede, Dr. Latesh Malik, HOD CSE, Prof. N. A. Chavhan HOD-IT, & all staff members of CSE/IT department.

The ICISP 2015 being provided opportunity to the delegates to get familiarized with areas like Information Security and Privacy and to come together and publish their research work.

Key note speech was given by Mrs. **Suchita Sakalkale**, , and **Dr. Chitra Desai** on Cyber security and Mathematical Foundation to Computer Security respectively.

The conference received good response from research community and received total 293 high quality research papers from various institutes like IIT's , NIT's ,Government Colleges , Private Universities And Private Engineering Colleges all over from India ,and Selected 154 papers. Out of which 120 authors came for Oral Presentation.

Along with the International Conference we have conducted Industry based Hands on Labs on Container & IoT Security from **VMware Software India Pvt Ltd.Bangalore** ,

Industry Persons Ms Shweta Rao ,Vartika Agarawal & Vipul Kohli had conducted 2 days Workshop .

All Teaching and Non Teaching staff of CSE and IT department worked hard to make this conference successful.

WORKSHOP ON IOT SECURITY BY VM WARE



Department of Computer Science Engineering and Information Technology, G.H. Raisoni College of Engineering had organized two days workshop on IoT Security by VM Ware.

Hands on Lab session were conducted by Industry Persons Ms Shweta Rao ,Vartika Agarawal & Vipul Kohli from VMware Software India Pvt. Ltd. Bangalore ,on “Container & IoT Security”.

On first day, speakers explained Docker Security CIS BenchmarkHost Configuration, Docker Daemon Configuration, Docker Daemon Configuration Files. Container Runtime, Container Images and Build file, Docker Security Operations. On second day, industry persons discussed about introduction to IoT and use-cases, introduction to Devices, IoT

Security.

Total 89 participants attended the workshop. The session ended with a valedictory function, where participants clarified their doubts about Iot Security. The workshop was very much appreciated by all participants.