

NEWS 'N' VIEWS



Department of Computer Science
COMSATS Institute of Information Technology Lahore

July August 2012 Issue

Message From Head of The Department CS

Greetings! On behalf of the faculty, staff, and students of the Department of Computer Science (CS) at the COMSATS Institute of Information Technology Lahore (CIIT), we welcome you! These are exciting times for computer scientists as the discipline is now widely recognized as an essential source of tools and techniques for advancements in nearly all spheres of human endeavor.

Our Department was founded in 2002. Now it has grown to 47 faculty members, hundreds of Undergraduate, MS/PhD students, and numerous research and support staff. We have two undergraduate programs – Bachelors in Computer Science (BSCS), and Bachelors in Software Engineering (BSSE) - provide students with a broad range of choices. All these programs are accredited by the NCACE. Higher Education Commission has setup an accreditation authority, which is named as National Computing Education Accreditation Council (NCEAC). NCEAC awarded their highest 'W' category our department. Research activities have been given high priority within the



Dr. Syed Asad Hussain (HOD)

department. This has resulted in national and international recognition for our faculty and students alike. A number of research papers of national and international reputation has been published in various, leading journals and presented at conferences all over the world. We have versatile working research groups, i.e. Agent Technologies and Information System, Communication Networks, Intelligent Machines and Robotics, Software Engineering, Databases and Operational Intelligence, Vision Image and Graphics and Web Semantics. Computer Science department at CIIT-Lahore is research-oriented, student-centered Department. Some of the driving principles and goals of our Department are embodied in the following statements:

Mission Statement

To prepare undergraduate and post-graduate students for productive careers in industry, academia, and government by providing an excellent environment for teaching, learning, and research in the theory and applications of computing and information technology. In particular, we aim:

- To produce highly qualified and well-rounded graduates possessing fundamental knowledge of computing and information technology that can provide leadership and service to Pakistan and all over the world.
- To pursue creative research and new technologies in Computer Science and Technology and across disciplines in order to serve the needs of industry, government, society, and the scientific community by expanding and contributing to the body of knowledge in the field.
- To develop strong partnerships with industrial and government agencies, professional societies, and local communities.

Educational Objectives

The academic objectives of the Department of Computer Science are to provide outstanding education and research programs that:

- Promote a philosophy of learning that develops a diverse computer science/software engineering student body that can be prepared for their specific profession, for advanced studies and careers in research, or for multidisciplinary knowledge
- Provide a stimulating academic research environment for individuals who, in both industry and academia, will be leaders in the pioneering of computer applications and of the development of new technology for the benefit of society
- Demonstrate technical competence in computer science and software engineering design and analysis consistent with the practice of a specialist and with the broad perspective of the generalist
- Provide, at various courses, individual and group projects in design and research which, combined with classroom study, will prepare our students for the professional practice of computer science and software engineering and team work

MESSAGE FROM HOD CS

- Develop the symbols of professional conduct, including a knowledge of ethical choices, together with the confidence and strong communication skills to lead, to follow, and to transmit ideas effectively
- Instill learning as a lifelong activity and as a means to the creative discovery, development, and implementation of technology as well as to keep up with the dynamic nature of the computer science and software engineering discipline

We welcome you to browse through the departmental web site. Whether you are a student, a parent, alumni, an employer, or a colleague, we want to hear from you. Your comments and suggestions will help us move to the next level and provide us with encouragement to maintain excellence.

Dr. Asad Hussain

Professor and Head of the Department

RESEARCH PUBLICATION

- The paper of Mr. Rana Muhammad Ajmal titled "Video Summarization: Techniques and Classification", ICCVG 2012, has been accepted for oral presentation in International Conference on Computer Vision and Graphics ICCVG 2012 Waras, Poland, to be held on September 24-26, 2012.
- The paper of Mr. Rana Muhammad Ajmal "Video Summarization Based on Human Motion Detection and Trajectory Analysis", ICGIP 2012, accepted for presentation in 4th International Conference on Graphic and Image Processing, (ICGIP 2012) Singapore October 6-7, 2012.



Mr. Rana M. Ajmal

LaTeX WORKSHOP

Department of Computer Science organized a "Hands-On Workshop on Latex" for faculty from July 16 -19, 2012. This workshop was organized by Dr. Muhammad Umair. The aim of the workshop is to provide hands-on training on LaTeX, a document preparation system for high-quality typesetting. It is widely used for technical or scientific papers writing by researchers, engineers and mathematicians. The typesetting system offers programmable writing fea-

tures and extensive facilities for automating most aspects of typesetting.

The targeted audience COMSATS faculty, particularly non-PhD faculty MS / PhD students. In response to announcement 26 people from departments showed an intension to participate in the workshop. The departments are Physics, Computer Science, Management Science, Electrical Engineering, Architecture, Mathematics and Humanities. Out of them,

The collage contains several items related to the LaTeX workshop:

- Registration Form:** Includes fields for Name, Email, and Phone. Registration Till: July 09, 2012. Workshop on: July 16 - 19, 2012. Time: 09:00 - 12:30 DAILY. Organized by: DEPARTMENT OF COMPUTER SCIENCE, BRICC-C, LAB-C. Faculty: DR. MUHAMMAD UMIR, DR. MUHAMMAD UMIR.
- Poster:** Titled "Hands-On Workshop on Latex". It lists features like "Advanced typesetting of mathematics with AMS-LATEX", "Automatic generation of bibliography and references", and "Multi-lingual typesetting". It also mentions "COMSATS Faculty particularly from PhD Faculty" and "MS/PhD Students".
- Flyer:** Titled "Give Professional Look to Your Manuscripts through LATEX". It includes the COMSATS logo and contact information for the Department of Computer Science, BRICC-C, Lab-C, Islamabad.

13 were presented "Certificate of Participation" on the basis of their attendance for 3 or more days during workshop.

ADMISSION FALL 2012

CS department launched a new degree (BS Software Engineering). In July, 2012 admissions for BS Computer Science and BS Software Engineering for Dual degree program (Bachelor) with Lancaster University UK for Fall 2012, MS(CS) and P.hD was an-

nounced. Last date of application was announced as 14th July, 2012. Dramatic admissions for BS Software Engineering was seen as well as BS Computer Science attracted the largest number of students, all with 1st division, and

with Mathematical background in FALL 2012. It is only & only due to the day & night efforts of all the colleagues of CS Department. CS department also got a good intake of MS(CS) and P.hD students.

Members

Patron:	Dr. M A. Bodla
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We Aim To Inspire
You!

Department of Computer Science


CIIT Lahore

POEM

WHAT IF DR. SEUSS WROTE COMPUTER MANUALS

If a packet hits a pocket on a socket on a port,
and the bus is interrupted as a very last resort,
and the address of the memory makes your floppy disk abort,
Then the socket packet pocket has an error to report.
If your cursor finds a menu item followed by a dash,
and the double-clicking icons put your window in the trash,
and your data is corrupted 'cause the index doesn't hash,
Then your situation's hopeless, and your system's gonna crash.

SEMINAR EDUCATIONAL OPPORTUNITIES

Dr. Tahir Abbas Khan, Associate Professor from Asia Pacific University Oita, Japan delivered a lecture on the Educational opportunities in his university in particular and Japan in general for computer science and Management science for Undergraduate, Graduate students and particularly for faculty on July 18, 2012 in seminar room of Block-A.

TEA PARTY FOR ORGANIZING COMMITTEE COMSPEC

A tea party was organized by CS department on July 05, 2012 to appraise and celebrate the efforts of organizing committee of COMSPEC to organize COMSPEC with a great success.

