



# ITC HIGHLIGHTS

Volume 1  
May, June 2011

## News

- ITC hosts Seminars on IT Service Management (ITSM), Service-Oriented Architecture (SOA) & Cloud Computing
- Microsoft Exchange Platform Project Update

## Insides

- KFUPM e-Business System Upgrade Assessment
- High Performance Computing (HPC) Platform Tools Enhanced

### ITC Director Emphasizes Strategic IT Areas of Focus & Future Direction

Dr. Mansour Al-Dajani, Director of Information Technology Center at KFUPM, in a presentation to the ITC staff members, identified several strategic areas of focus and future direction at ITC.



In an hour-long presentation titled "ITC - The Road to Excellence", he emphasized that in order to ensure the satisfaction of the KFUPM community, ITC will focus its effort in several areas including Information Technology Service Management (ITSM), Capacity Planning, Quality Management, and IT Policies & Procedures. The retreat meeting with the ITC staff was held at the Sofitel Hotel in which the presentation on the ITC plans and future was delivered. The presentation was attended by 86 ITC staff members and feedback was collected during the discussion phase after the presentation.

### ITC Participates in KFUPM Career Day 2011

ITC is keen to seek qualified and talented staff. ITC has participated in the 28th University Career Day 2011. A large number of graduating students visited the booth.

The students showed interest in the career offerings in IT and the openings available to them as fresh graduates at the ITC.



The three-day event is held annually at KFUPM, with participation from government agencies and leading national and international companies.

### ITC Participates in KFUPM Career Day 2011

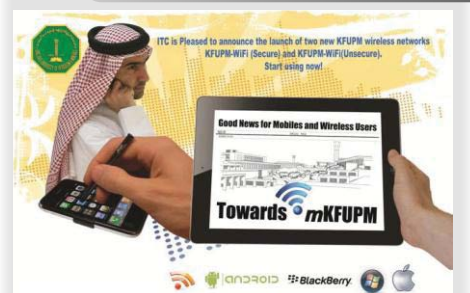
To provide excellent IT services that foster productive education, research, community service, and administrative activities at KFUPM through competent staff, effective processes, and state of the art systems.

### Microsoft Exchange-Based Platform at KFUPM

The latest ITC initiative to upgrade the existing email system to a comprehensive and state-of-the-art Microsoft Exchange-based e-Mail system is underway. The project kick-off is expected within two weeks.

The project will ensure the future provisioning of advanced messaging and collaboration features including Unified Enterprise Communications, Archiving, Instant Messaging and Video Chats.

### Microsoft Exchange-Based Platform at KFUPM



ITC announced the launch of two new KFUPM wireless networks.

The KFUPM-WiFi (Secure) network is a client-less platform with a „Simple Click“ to connect

and supports strong encryption. It is designed for KFUPM users and works for all WiFi-certified laptops and handheld devices. Access to all KFUPM IT Services is supported including KFUPM Portal, Email, Blackboard, Banner, ERP, web browsing and remote desktop.

The KFUPM-WiFi (Unsecure) network is a client-less platform with a „Simple Click“ to connect. It is designed for guests or visitors and works for all WiFi-certified laptops and handheld devices. Access on this network is limited to web browsing service.

### E-Business Upgrade Assessment

Assessment proposals are under study at ITC to select the vendor for a detailed upgrade assessment of the KFUPM e-Business system. The proposed assessment activities include

- mapping and validation of the financial model to the new platform;
- mapping of customized processes and workflows to either new features introduced in Release 12 or a custom layer,
- review of new and unused features; and
- Proof-of-concept to validate proposed recommendations and solutions.

The ITC DBA team has successfully set up the Oracle E-Business Suite Release 12 clone instance.

All the seeded programs can be tested in this test instance. The instance is a technical upgrade with no customizations and major module migration supported.

### Technology Seminars at ITC

ITC hosted three technology seminars as follows:

- IT Service Management delivered by Wipro Arabia Ltd on Saturday, May 7, 2011 at 1:30 pm in Building 14 Room 108.
- Cloud Computing Trends & Technology delivered by HP (Hewlett Packard) on Saturday, May 14, 2011 at 9:30 am in Building 14 Room 111.
- Service-Oriented Architecture (SOA) delivered by Oracle on Tuesday, May 31, 2011 at 2:30 pm in Building 14 Room 108

### High Performance Computing (HPC) Platform Enhanced

ITC is pleased to announce that Intel Cluster Studio 2011(32-bit & 64-bit) on Linux Cluster is now available on HPC. This Intel software package helps researchers develop, analyze, and optimize performance of their parallel programs on both 32-bit and 64-bit architectures.



The Intel Cluster Studio 2011 includes the following packages:

- Intel® C++ Compiler XE 12.0
- Intel® Debugger 12.0
- Intel® Fortran Compiler XE 12.0
- Intel® Trace Analyzer and Trace Collector 8.0
- Intel® MPI Library 4.0
- Intel Cluster OpenMP for Intel C++ and Fortran
- Intel® Math Kernel Library 10.3 (Intel® MKL 10.3), which includes ScaLAPACK and Cluster DFT
- Intel® MPI Benchmarks 3.2.2

- Intel® Integrated Performance Primitives (Intel® IPP)
- Intel® Debugger

For any queries, please send an email to: [hpc@kfupm.edu.sa](mailto:hpc@kfupm.edu.sa)

### ITC Project-Oriented Approach for 2011

The concept of capacity planning is the current focus at ITC to ensure high availability and efficient IT services for the university community. Currently, 26 ITC projects have been identified for implementation in the year 2011. These projects have been organized based on the following information:

- Project Initiation and Completion Dates
- Linkage with the University and ITC Mission, Vision, Goals, Objectives & Initiatives
- Detailed Project Information
- Assigned IT Resources
- Project Teams & Project Manager Closure & Post Implementation Details
- Administrator & User Training Plan
- Quality Control & Information Plan

### KFUPM IT at a Glance

- 15000+ eBusiness, Portal, and E-mail Users
- 12000+Wired Network Points
- 450 Wireless Access Points
- 160+ Servers with more than 60 Virtualized
- 160+ Terabytes of SAN and NAS (Filer) storage