

2015-16

THREE TIER AND MVC ARCHITECTURE DEVELOPMENT WITH RESPONSIVE WEBSITES USING MICROSOFT TECHNOLOGIES

Six day FDP was organized by Department of Computer Science and Engineering from 13 – 18 July, 2015 on Three Tier and MVC Architecture Development with Responsive Websites using Microsoft Technologies in association with ATS Infotech P. Ltd., delivery partner for Microsoft Technologies. The resource person for the FDP was Mr. Nishant Sharma, Subject Matter Expert for Microsoft Technologies.

The topics covered during the theory and hands on practice sessions included ASP.net, SQL Server, ADO.net, Ajax and MVC. The FDP was attended by 18 faculty members from Departments of Computer Science and Engineering, Information Technology and Master of Computer Applications.

GLOBAL SYSTEM FOR MOBILE COMMUNICATION

Five day FDP on Global System for Mobile Communication was conducted by Department of Electronics and Communication Engineering from 7-11 September, 2015. Twenty eight faculty members from AKGEC attended the programme.

Topics including GSM Architecture, Cell Design, Open source Tools for Security, Subscriber Identity Module, Real Time Study of AT Commands, GSM/GPRS Air Interface, GPRS Architecture & Channels, Performance Planning with Modeling Tool, Mobile Computing, Cloud Computing and its Use in Wireless Communications, Effects of Radio Frequency, Cellular Phone Maintenance and Repair and CDMA vs GSM were covered by speakers from NITTTR Chandigarh, Scientech Technologies, Telcocrats Technologies, CCET, Chandigarh, PGIMER, Chandigarh and Sony Services.

THERMAL ENGINEERING

Faculty Development Programme on subject Thermal Engineering was organized by Department of Mechanical Engineering on 19 September, 2015 and 3 October, 2015. The FDP was attended by faculty members of the Department. Important topics including Basic Concepts of Thermodynamics, Flu Gas Analysis, Bomb Calorimeter, Thermodynamics Relation, Stoichiometric Calculation, Steam Power Cycle, Steam Nozzle, Introduction To Steam Turbine, Laws of Thermodynamics, Thermal Analysis Using Ansys, Steam Boiler Mounting and Accessories Chimney Draught Calculation were covered during the FDP.

RENEWABLE ENERGY SYSTEMS

One day FDP on Renewable Energy Systems was organized by Department of Electrical and Electronics Engineering on 3 October, 2015.

The objective of the FDP was to expose the participants to the recent developments in Renewable Energy Systems, their optimal utilization and integration to Power System.

Guest Speakers	Topics
Dr. Y.B.K. Reddy Sr. Manager, SECI (Ex MD Sujana Electrical Hyderabad)	Solar Thermal & Photovoltaic Systems
Prof. M.P. Dave Shiv Nadar University Ex-IIT Roorkee & IIT Delhi	Innovation & Research in European Renewable Energy
Prof. M.L. Kothari Ex-IIT Delhi	Integration of Renewable Energy Systems

A total of 37 participants including faculty from AKGEC & other colleges and MTech scholars attended the FDP.

SMART MATERIALS : BEGINNING OF NEW ERA

A two day Faculty Development Programme (FDP) was organized by Department of Applied Sciences and Humanities during 27-28 November, 2015 on Smart Materials : Beginning of New Era.

Subject experts from eminent institutions covered the various topics. Prof. H.B. Bohidar, School of Physical Sciences, JNU New Delhi, delivered lecture on Soft Matter Science & their Recent Advances. Prof. Sujeet Chaudhary, Department of Physics, IIT Delhi covered the topic Spintronics. Dr.Sonal Singhal, Department of Chemistry, Punjab University, Chandigarh explained the concepts on Beneficial Modification In Ferrite Nano-Catalysts. The topic Superconducting Quantum Interference Devices was covered by Dr. Annirudh Singh, Department of Applied Sciences, AKGEC.

An overwhelming response from 35 participants from various Engineering Colleges and PG Colleges made the FDP a great success.

WIRELESS AND MOBILE COMMUNICATION

Five day FDP on Wireless and Mobile Communication was organized by Department of Electronics and Communication Engineering from 4-8 January, 2016. The FDP was a joint venture of Dr. A. P. J. Abdul Kalam Technical University, Lucknow and Ajay Kumar Garg Engineering College, Ghaziabad with the objective to update faculty in this exciting area of human innovation.

The FDP conducted in 10 technical sessions was attended by 62 participants from AKGEC and other colleges. Resource persons included technical experts from BSNL, DRDO, BEL, ALTTC & Singtel Operations and proficient academicians from Amity University, Sharda University and AKGEC.



OPEN SOURCE TECHNOLOGIES

Department of IT conducted ICT (Internet Communication Technologies) based FDP on Open Source Technologies from 4- 8 January, 2016 in collaboration with NITTTR Chandigarh at AKGEC premises. Thirty three faculty belonging to all the departments of the college attended the programme.

Rich experiences of various speakers from respective domains benefited the participants during the highly interactive sessions.

Certificates of the completion were awarded by NITTTR Chandigarh.





NETWORK SECURITY

A two day FDP on Network Security was organized by Department of Computer Science and Engineering in association with IEEE AKGEC Student Branch on 5-6 February, 2016. Prof. D.K. Lobiyal and Dr. Karan Singh from School Of Computer Science and Technology, Jawaharlal Nehru University, Delhi delivered the content over four sessions.

Thirty six participants including faculty members from Departments of Computer Science and Engineering, Information Technology and Master of Computer Applications and M.Tech scholars attended the FDP. The feedback of the participants on the content delivery and conduct of hands-on was excellent.



ADVANCES IN POWER ELECTRONICS AND DRIVES

A two day FDP on Advances in Power Electronics and Drives was organized by Department of **Electrical and Electronics Engineering** on 1-2 April, 2016. Speakers from eminent institutions delivered the content during the FDP.

Guest Speakers	Topics
Prof. Amit Jain IIT Delhi	Advances in Vector Control Drives
Prof Bhim Singh IIT Delhi	Power Quality
Prof. Pramod Agarwal IIT Roorkee	Advances in Power Electronics Devices
Prof. M.P. Dave Shiv Nadar University	HVDC Converter & Inverter
Dr. Phaneendra Babu Bobba Shiv Nadar University	Industrial Drives
Prof. Ashish Srivastava JSS, Noida	DC-DC Converter

Thirty five participants including faculty members and M.Tech scholars attended the FDP.



