



National Seminar
On
Current Technology Trend &
Opportunities
Saturday, August 27, 2016
(College Auditorium)



Report

Organized By

COMM-IT Career Academy

(Affiliated with GGSIP University & Approved by Govt. of NCT of Delhi)

A Unit of

Awadh Center of Education

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Introduction

The Device Mesh

The device mesh moves beyond the traditional desktop computer and mobile devices (tablets and smartphones) to encompass the full range of endpoints with which humans might interact. As the device mesh evolves, Gartner expects connection models to expand and greater cooperative interaction between devices to emerge. We will see significant development in wearable and augmented reality, especially in virtual reality.

Ambient User Experience

All of our digital interactions can become synchronized into a continuous and ambient digital experience that preserves our experience across traditional boundaries of devices, time and space. The experience blends physical, virtual and electronic environments, and uses real-time contextual information as the ambient environment changes or as the user moves from one place to another.

Organizations will need to consider their customers' behavior journeys to shift the focus on design from discrete apps to the entire mesh of products and services involved in the user experience.

Advanced System Architecture

The digital mesh and smart machines require intense computing architecture demands to make them viable for organizations. Providing this required boost are high-powered and ultra-efficient neuromorphic architectures. Fueled by field-programmable gate arrays (FPGAs) as an underlining technology for neuromorphic architectures, there are significant gains to this architecture, such as being able to run at speeds of greater than a teraflop with high-energy efficiency.

"Systems built on GPUs and FPGAs will function more like human brains that are particularly suited to be applied to deep learning and other pattern-matching algorithms that smart machines use," said Mr. Cearley. "FPGA-based architecture will allow further distribution of algorithms into smaller form factors, with considerably less electrical power in the device mesh, thus allowing advanced machine learning capabilities to be proliferated into the tiniest IoT endpoints, such as homes, cars, wristwatches and even human beings."

Mesh App and Service Architecture

Monolithic, linear application designs (e.g., the three-tier architecture) are giving way to a more loosely coupled integrative approach: the apps and services architecture. Enabled by software-defined application services, this new approach enables web-scale performance, flexibility and agility. Microservice architecture is an emerging pattern for building distributed applications that support agile delivery and scalable deployment, both on-premises and in the cloud. Containers are emerging as a critical technology for enabling agile development and microservice architectures. Bringing mobile and IoT elements into the app and service architecture creates a comprehensive model to address back-end cloud scalability and front-end device mesh experiences. Application teams must create new modern architectures to deliver agile, flexible and dynamic cloud-based applications with agile, flexible and dynamic user experiences that span the digital mesh.

Adaptive Security Architecture

The complexities of digital business and the algorithmic economy combined with an emerging "hacker industry" significantly increase the threat surface for an organization. Relying on perimeter defense and rule-based security is inadequate, especially as organizations exploit more cloud-based services and open APIs for customers and partners to integrate with their systems. IT leaders must focus on detecting and responding to threats, as well as more traditional blocking and other measures to prevent attacks. Application self-protection, as well as user and entity behavior analytics, will help fulfill the adaptive security architecture.

Objective

The objective of this National Seminar is to provide an exposure in Current Technology Trend & Opportunities with an excellent overview of what Current Technologies & Opportunities are, what is required to implement Current Technology & Opportunities applications, and what are the job roles and disciplines needed to successfully implement Current Technology & Opportunities for Technocrats. The objective of the seminar is to encourage and motivate faculty, students to accelerate the process of enrichment of their knowledge by providing them a common platform for interaction with corporate personalities, true academicians. Eminent speakers from reputed universities and organization like Delhi University, GGSIPU, IGNOU etc.

We extend a cordial invitation to you, your faculty and your students to attend the seminar. Your presence and participation will add grace to the occasion.

Registration Process

Registration / Fee Payment: The interested candidates need to fill up the enclosed registration form. The fee per participant is as follows:

- | | | | |
|-----|---|---|---------|
| I. | Research Scholars/ IT Students / Comp. Sc. Students | - | Rs. 300 |
| II. | Academicians/ Professional / Others | - | Rs. 500 |

Payment should be made in form of a local cheque/ DD in favour of “**COMM-IT Career Academy**” payable at New Delhi, with the registration form duly filled in through postal mail and confirmation through e-mail at the following addresses:

anukoolbajpai@gmail.com / gyanendrashukla01@gmail.com

The fee includes workshop Kit and refreshments. Fee does not include accommodation, local/outstation travel. No refund will be allowed for cancellations of participation. A certificate would be awarded to all participants. Outstation candidates needing assistance in accommodation (on payment) may contact the Workshop coordinator at the address given below.

Limited registration will be held on first come first serve basis till **20th August 2016**.

Applications for registration along with demand draft/cheque should be sent to:

Dr. Anukool Bajpai - Coordinator

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Speaker's Profile

Dr. Anukool Bajpai: Dr. Bajpai, Ph.D. (Computer Science) is an Associate Professor in COMM-IT Career Academy, GGSIP University, Delhi. He has Twelve years teaching experience in the field of Computer Science besides supervising five research scholars in the field of Mobile Commerce, Artificial Intelligence, Expert System, Data Warehouse, Data Mining, Image Processing and e-governance. Dr Bajpai has got published diverse a range of research papers to his credit in the National and International Journals of repute. Now he will be sharing his views on “**Current Technology Trend & Opportunities**”.

Dr. Subodh Kesharwani: Subodh Kesharwani is an academician with MBA in systems and Doctorate in ERP System. Presently an Assistant Professor in School of Management Studies with Ten years of hardcore teaching and research in Computer and Management at IGNOU, IIMT College, various others B-Schools in Delhi. He had taught Management, Logistics, Operation Research, Computers for Management, Operation Management and Statistics to MBA and ERP systems to B.Tech Students. He is a corporate trainer in ERP and delivered a talk on ERP as a key speaker at diverse conference/seminars some of them are Computer Integrated Management System Theme, School of Open Learning. Delhi. He is presently in New Delhi, India and planned to come-up with an ERP-Consortium. He is also a founder Editor-in-chief of an upcoming journal entitled “Global Journal of Enterprise Information System [GJEIS]. Dr. Kesharwani has written a Book entitled “ENTERPRISE INFORMATION SYSTEMS-Contemporary Trends and Issues” in a co-authorship with Professor David L Olson University of Nebraska, USA. He had one text book on ERP system which is catering a B.Tech. Students.

Dr. U.S. Pandey: Dr. Pandey, Ph.D (Computer Science) is an Associate Professor in School of Open Learning University of Delhi, Delhi. He has Twenty years teaching experience in the field of Computer Science besides supervising many research scholars in the field of Mobile Commerce, Artificial Intelligence, Expert System, Data Warehouse, Data Mining, e-learning and e-governance. Dr Pandey has got published two books and diverse a range of research papers to his credit in the National and International Journals of repute. Dr. Pandey has worked as a Professor & Director of VIPS affiliated to GGSIP University Delhi. Now he will be sharing his views on “**Current Technology Trend & Opportunities**”.

Programme Schedule

**National Seminar
On
Current Technology Trend & Opportunities**

Date: Saturday, 27th August 2016

**Venue: Auditorium, Ground Floor, COMM-IT Career Academy
Organized By: COMM-IT Career Academy, New Delhi**

Programme Schedule

09:30 AM - 10:30 AM	Registration
10:30 AM - 10:40 AM	Inaugural Session
10:40 AM - 10:45 AM	Welcome by Principal
10:45 AM - 10:55 AM	Address by the Director
10:55 AM - 11:15 AM	Tea Break
11:15 AM - 12:45 PM	Technical Session – 1 by Dr. Subodh Keshewani
12:45 PM - 02:00 PM	Lunch Break
02:15 PM - 03:45 PM	Technical Session – 2 by Dr. U.S. Pandey
03:45 PM - 04:00 PM	Valedictory Session
04:00 PM - 04:10 PM	Vote of Thanks

Photographs

