

Youngster



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National Conference on “Information Communication & Computer Networks” (IC2N)

MCA Department, Tectnia Institute of Advanced Studies organized a National Conference on “Information Communication and Computer Networks” on 6th April, 2013 at the Tectnia Auditorium. Real Time Management, Artius InfoTech Pvt. Ltd., IMS Pitampura, Ishaan Creations were associated with the conference.

The objective of this conference was to increase the expertise of the students by educating and attracting new researchers; to initiate the deployment of IC2N technologies; to drive progress on Challenges, enhancement and future prospects in the area of IC2N; to build advanced networks that is the backbone of the Internet and the prototypes for its further enhancement into the basis for a broader information infrastructure; to bring together researchers, engineers and practitioners interested in the technological advances and business applications of IC2N and to bridge the gap between theoretical concept through original research and industrial papers on the theory, demonstration and implementation of IC2N, tutorials, practices and industrial presentations.

The conference started with the lighting of the lamp by the Hon'ble Chief Guest Mr. Koushik Chatterjee CEO, iThink Learning & ex Vice President, HCL Infosystems Ltd; Mr. Navdeep Dhindsa,



Lamp lighting ceremony by the Dr. Kanwal Singh (DG, TIAS); Hon'ble Chief Guest Mr. Koushik Chatterjee CEO, iThink Learning & ex Vice President, HCL Infosystems Ltd; Dr. A. K. Rathore (Director, TIAS) & other Dignitaries

Vice President, Hungama Digital Media Solutions Ltd.; Mr. Ajay Kumar Dixit,

Head Communication; Dr. R.C. Mishra, Professor, IT Department; Dr. Kanwal Singh, Director General, TIAS, Dr. Ajay Kumar Rathore, Director, TIAS and Dr. Rajesh Bajaj, Chief Convener, TIAS. All the guests were felicitated by a bouquet, and mementoes.

Dr. Ajay Kumar Rathore, Director TIAS in his opening remarks explained the objective of the conference: to drive the program and contributed the development of the communication system. He further introduced all the guest and dignitaries. He told about the Mega Job Fair which was organized on 16-17th Feb 2013 and resultant 477 students got opportunity to work with various companies.

Dr. Rajesh Bajaj, Chief Convener, TIAS said that Data exchange & networking is spreading drastically day by day. Information communication is the basic information as foundation in the house. It is Impossible to survive without Data Communication & Networking.

Dr. Kanwal Singh, Director General, TIAS focused on the need of Information communication, and how Information communication has brought the changes. He said now it is a time to look beyond the traditional IT and suggested to do something beyond the conventional computing.

Dr. R.C. Mishra, Professor, IT Department, Bhiwani in his Key Note

address said that changes that occur in the behavior of a learner are the things to be focused on. Communication can be viewed from various angles may be from cell to cell, neuron to neuron & etc.

Mr. Ajay Kumar Dixit, Head Communication started with "Every Day there is an evolution, there is a change". He discussed the change in communication. We started using physical media which has switched to RF (Radio Frequency) communication.

Earlier, we had slower data transfer rate, the

RF was insufficient and to overcome it, we moved to optical fiber.

hardware market and how to connect



Dr. Vaibhav Bansal, Convener; Dr. R.C. Mishra, Professor, IT Department; Mr. Ajay Kumar Dixit, Head Comm. Ex-IAF Personnel; Dr. A. K. Rathore, Director, TIAS; Mr. Koushik Chatterjee, CEO-iThink Learning & Ex-VP, HCL Infosystems Ltd.; Dr. Kanwal Singh, DG, Tecnia Group; Mr. Navdeep Dhindsa, VP, Hungama Digital Media Solutions Ltd.; Prof. Rajesh Bajaj, Chief Convener, (From Left to Right)

Mr. Navdeep Dhindsa, VP, Hungama Digital Media Solutions Ltd. told about importance of communication by giving some interesting story of monkey. He talked about the concept of Google Market which is based on communication network. He appealed to think outside this world and finally stated "Leaders are always the people who think outside the world".

Chief Guest Mr. Koushik Chatterjee, CEO, iThink Learning & ex VP, HCL Infosystems Ltd told general scenario of IT

Glimpses of National Conference on Information Communication & Computer Networks



different hardware; the technology is called networking which comprise of WAN, LAN, PAN and etc. He also emphasizes on security & authentication process which is utmost need of any network; he gave very interesting information about Exotic Networks and Virtual Private Networks. He indicated the growth of Internet with WEB1.0, WEB2.0 and WEB3.0. He concluded his speech and giving an eye-opener to the audience with Big Data Challenge challenge to store the terabyte or more data and how to handle data.

Dr. Vaibhav Bansal, Associate Professor, MCA Department thanked all the dignitaries, guest of honors and chief guest in his vote of thanks. He also thanked to the organizing committee, associates and students.

PLENARY SESSION:-

The First session was chaired by Dr. R. B.Garg, Professor, IT Department, TIAS. He told about the information which we are getting through the Internet is not so easy as it seems to be. Millions of professionals are behind the information which communicates through the computer networks.

Ms. Neetu Goel, Research Scholar, Teethanker Mahaveer University presented the paper on the topic "An Optimum Multi-

Level Dynamic Round Robin Programming" it is a scheduling criteria used for the Utilization/ Efficiency, Throughput, and Turnaround Time.

Ms.Monika Bansal; Assistant Professor, Rukmini Devi Institute of Advanced Studies, Delhi presented her research paper "An Overview on Mechanism to Control congestion in Adhoc Network"

Mr. Amit Mishra, Sr. Management Govt. Vertical, Lipi Data Systems focus on Govt policy to communicate between different ministry, commission etc. and SWAN network.

Mayank Singh, Research Scholar, GGS IP University, Delhi, presented his research paper "Quantum Computers". Quantum computer are going to very promising technology. There are few hurdles in the way of quantum computers that is decoherence of quantum such as stretching the limits.

SESSION 2 was Chaired by Dr.U.S.Pandey, Associate Professor, University of Delhi.

Ms. Deep Shikha, Research Scholar, Teethanker Mahaveer University discussed the topic "Application of the neural network". She told about the potential use of neural network in various fields. How neural network are used in intrusion detection system.

Mr Lalit Shrama; Assistant Professor, Rukmini Devi Institute of Advanced Studies, Delhi presented his paper on "real time operating system and embedded system". He discuss about real type operating system and characterize the future of real time operating system.

Mr. Hyridesk kumar, Sr. Management Govt. Vertical, Lipi Data Systems focused on information technology and Bluetooth technology. He told how to provide new information to business user.

Manjeet kumar Research Scholar, GGS IP University, Delhi presented his paper on "Application of process information integrated system based on Ajax". He describe about Ajax and its advantages.

A Special SESSION named Redefine life was conducted and chaired by Dr. Kavita Raj and Mrs. Meenu manocha. The aims of this session were how to enjoy our life; how to empower ourselves and how to be more creative. This session give information about a protective layer around our body i.e ORA and also tells about the fact that nothing is possible without a healthy body. The motto was to remain positive and spoke good words which are very good for enjoying life and to keep away from negative thing and negative thoughts.

Session 4 was chair ed by Er. Suresh

Glimpses of National Conference on Information Communication & Computer Networks



HoD, Asia Pacific Institute of Information Technology, Panipat.

Tanuu and Divyam, Research Scholar, GGS IP University, Delhi presented their research paper "Andorid". They told about Andorid which is based on Linux kernel. They discussed the feature, advantage and disadvantage of android.

Bhumika Ghirdar, Research Scholar, GGS IP University, Delhi, presented her paper on "oracle Extended RAC". It allows multiple computers to run simultaneously and allows sharing single RDBMS data base. She described its feature, advantage and minimum requirement for this. She told that "future is RAC and oracle".

Neha Pahwa, Research Scholar, GGS IP University, Delhi, presented her research paper on "ubiquitous computing". It means appearing or found everywhere. Ubiquitous

computing has transparent interfaces and automated capture.

Neha Thakur and Mahinder kalia, Research Scholar, GGS IP University, Delhi, presented on the topic "MOBSEC-privacy security on mobile". As mobile device are more than just a phone, mobile security is very essential. 3 prime target of attacker are Data, Identity and Viability. And various control measure can be Authentication, Data encryption and Firewall.

Himanshu sharma, Research Scholar, GGS IP University, Delhi, presented his paper on "Virtualized Tecnia". Virtualization is to run multiple networks. Virtual lab is 24 hour online for student. It provides high performance. Archana Goyal, Research Scholar, GGS IP University, Delhi, presented her paper on topic "car speed control by bluetooth". All over world most

accident is due to human error, we need technology to control speed of car and help driver. Suppose two cars at distance of 100m then Bluetooth will give a warning and if distance between car less than 10 m then hydraulic system will slow down the car.

The research scholars were given the prizes. Dr. Ajay Kumar Rathore, Director, TIAS gave Archana Goyal first prize; Bhumika Girder second and Neha Thakur and Mahinder Kalia third.

The outcome of the conference came out to be inclusive, holistic and balanced in Information Systems. IT & Computer Networks can bring the social reforms and contribute to employment generation & community development.

Rahul Mittal

Dr. Vaibhav Bansal

Investment is an Art: SEBI

A workshop on *Security Exchange Board of India and Investor Awareness* was held in Tecnia Institute of Advanced Studies by CONSUMER VOICE under the aegis of Securities Market Awareness Campaign, Empowering Investors through Education. Students of all the subjects took part in the workshop.

The main objective was to make students aware about how to protect the interest of investor to promote the development of securities market and to create awareness among the students about consumer voice and its role.

Mr. Ashim Sanyal, COO, VOICE Society was felicitated by the director; Mr. A.K. Rathore. Mr. Sanyal throws light upon 5W's and 1H of investment.



Mr. Suraj Prakash, Assistant Professor in Delhi University stressed on financial planning. He explained the 8th wonder i.e. VALUE OF COMPOUNDING. He discussed the six golden rules of investment: never depend on single earning; spend money on things you need; spend on what is left after saving; never test the depth

of river by both feet; never expect honesty from cheap people; don't put all eggs in one basket. Mr. Suraj Prakash told advantages of investing at young age.

Lastly the team of CONSUMER VOICE showed a video "An Idiot" by IDFC which showcased that a child, who started saving at the age of 8 years when everybody in his family was busy in their own lifestyle become self independent at the early stage and his younger brother at

the age of 20 is still dependent on his parents.

At last the students came to know about the relevance of self dependency under inflationary conditions and appraisal on investment options.

Dr. Vaibhav Bansal
Amit Dehri

Tecnia says NO to tobacco

Intra College Declamation (Debate) and Painting competition

Tecnia Institute of Advanced Studies says “No to Tobacco” by organizing a declamation and Painting competition in association with World Lung Foundation-South Asia. Students of all the courses took part in the competition. There were two competitions declamation and painting

and Service towards Society. Students participating in declamation contest were required to speak on the topic Anti Tobacco for 4 to 5 minutes. Evaluation was done on the parameters of content, delivery, voice modulation, personality etc. Students of the Painting Competition were

the theme of Anti Tobacco. The session was well received by the students and participation level was encouraging. Ishita Joshi BJMC IV, Priyanka Pandey BJMC IV and Ashwinder Kaur BJMC VI won respectively in the declamation contest. Mansi Sharma BJMC I, Mallika Sharma



competition in this session. The main objective of organizing this event was to encourage participation from students, promote scholastic excellence, competence through healthy and fair competition, to develop the participant's potential, to build confidence level and to spread awareness

required to paint on the theme of Anti Tobacco. Student participation was encouraging. 3 Winners from each contest were rewarded with Cash prizes and were given certificate to represent Institute at Intra College Competition for Declamation & Painting on

MBA II, Priyanka MBA III won in Painting competition. This session for promoting creativity, spreading social message, participative skills and generate Interest among students was successful.

**Dr. Vipul Partap
Amit Dehri**

Role of Librarian in the Fast world of Internet

Let us move from traditional library collections to digital or virtual collections presented the library Manager / librarian with new opportunities. The Internet, Web environment and associated sophisticated tools have given the librarian a new dynamic role to play and serve the new information based society in better ways than hitherto. Because of the powerful features of Web i.e. distributed, heterogeneous, collaborative, multimedia, multi-protocol, hypermedia- oriented architecture, World Wide Web has revolutionized the way people access information, and has opened up new possibilities in areas such as digital libraries, virtual libraries, scientific information retrieval and dissemination.

Not only the world is becoming interconnected, but also the use of Internet and Web has changed the fundamental roles, paradigms, and organizational culture of libraries and librarians as well. The article describes the limitless scope of Internet and Web, the existence of the librarian in the changing environment, parallelism between information science and information technology, librarians and intelligent agents, working of intelligent agents, strengths, weaknesses, threats and opportunities involved in the relationship between librarians and the Web. The role of librarian in Internet and Web environment especially consider as intermediary, facilitator, end-user trainer, Web site builder, researcher, interface designer, knowledge manager and sifter of information resources is also described.

Vast Scope of Internet and World Wide Web

Internet, network of networks, connects several computers and resources around the world using the language called TCP/IP (Transmission Control Protocol/Internet Protocol). During the early years of Internet use, the access was mainly for basic database searching in large systems such as Online Computer Library Centre (OCLC), Research Libraries Information Network (RLIN), Bibliographic Retrieval System (BRS), and

DIALOG. With the growth of the Internet and the addition of more diverse electronic resources, the capacity for searching the Internet also increased. Since 1993, the Internet has experienced unprecedented growth in terms of networks, host computers and users. Prior to the Internet dissemination of information was limited to the delivery of formal print publications.

In contrast, nowadays a person is able to create a Web page or send an e-mail message for disseminating information.

Furthermore, people are able to use e-mail or teleconferencing to exchange information with others in real-time collaborative sessions. World Wide Web (WWW) or Web is the practical and existing real world application of the age-



old dreams of a universal information In addition to traditional card catalogs and microfiche readers, most libraries now offer an Online Public Access Catalog (OPAC), public PCs equipped with CD-ROM drives, DVD drives, scanners, or terminal connected to the Internet. An increasing number of libraries are building home pages on the World Wide Web from where users have access to a variety of services without physically entering a library. Also, information push and pull technologies have given librarian an opportunity to automate the required information gathering and dissemination to the users.

The environment in which librarians work is changing in terms of greater access to a range of information, increased speed in

acquiring information, greater complexity in locating, analyzing and linking information, constantly changing technology and adaptation, lack of standardization of both hardware and software, continuous learning for users and staff, management of financial investment for technology. The question of role of librarian in the new environment of exponentially growing Internet and World Wide Web has been addressed by a number of authors. On one hand, it has been postulated that librarians would play a more dynamic role than at present as guides to the information seekers. In another way, the rise of digitized information is an opportunity to elevate the role of librarian and leads to the emergence of a new breed of librarian: "The

Cyber Librarian" or "Cybrarian" - a specialist in locating information on the Internet (Hathorn, 1997).

The future scenario, however, may not be near any of these extremes. This is apparent from the facts like the information quantity has enormously increased and codification and classification of this information to facilitate easy location is best done now as well as in foreseeable future by the librarians.

The familiarization with new gadgets and methodology of locating information for vast majority of population requires guides and librarians can easily fit into this role with training. The leveraging of the available

information to suit the needs of the clientele is also best done by the librarians.

Modus Operandi of Library Manager

Library Manager / Librarian interact with the user to provide reference service, learn and assess user's information needs. Librarian and the user work together to refine the information required.

The next step the librarian may take is the formation of search strategy such as selection of databases resources, search terms and operators. Subsequently he executes the search and finds the information. Past experience with the user and the knowledge of user context for each information request guides the librarian to find more relevant information.

Librarian follows certain steps to filter information while selecting a database, choosing search terms and operators. Finally he eliminates the false drops and duplicates from the results using the knowledge of the context of the information need and the profile he had constructed for the user. Librarians usually arrange search results into customized sets for the user such as sorting the results by relevance, chronological, author alphabetical, collection-wise, and indication of availability of articles in their library. Intelligent Agents also perform similar procedure for providing information to the user. The following are strengths and weaknesses inherent in the library science profession.



Librarian's Strengths

- ✎ By the nature of their profession, librarians are service oriented.
- ✎ Librarians are able to identify, evaluate and organize print as well as electronic

- information resources.
- ✎ Librarians understand what the user wants and are very close to the user information requirements than other professionals.
- ✎ Librarians are able to train users to search and retrieve information, which is a part of user education in his profession.
- ✎ Librarians believe in the value of information sharing and networking.
- ✎ Librarians are experienced in knowledge management concepts, which are most identical to the classification, cataloguing, documentation, storing and making information available on networks.
- ✎ Last, but not least, 'human touch' we may impart.

HIRDYESH KUMAR
Librarian TIAS

This Month

April 24, 1800 - The Library of Congress was established in Washington, D.C. It is America's oldest federal cultural institution and the world's largest library. Among the 145 million items in its collections are more than 33 million books, 3 million recordings, 12.5 million photographs, 5.3 million maps, 6 million pieces of sheet music and 63 million manuscripts. About 10,000 new items are added each day.

April 15, 1817 - The first American school for the deaf was founded by Thomas H. Gallaudet and Laurent Clerc in Hartford, Connecticut.

April 14, 1828 - The first dictionary of American-style English was published by Noah Webster as the American Dictionary of the English Language.

April 21, 1836 - The Battle of San Jacinto between Texans led by Sam Houston and Mexican forces led by Santa Anna took place near present day Houston. The Texans decisively defeated the Mexican forces thereby achieving independence.

April 22, 1864 - "In God We Trust" was included on all newly minted U.S. coins by an Act of Congress.

Compilation: Dr. Vipul Partap

Common word used today

- ☞ CD - Compact Disk.
- ☞ DVD - Digital Video Disk.
- ☞ AM - Ante Meredian.
- ☞ PM - Post Meredian.
- ☞ AD - AnnoDomini.
- ☞ BC - Before Christ.
- ☞ FM - Frequency Modulation.
- ☞ GPRS - General Packet Radio Service.
- ☞ USB - Universal Serial Bus.
- ☞ www - World Wide Web.
- ☞ Http - Hypertext Transfer Protocol.
- ☞ HTML - Hypertext Mark Language.
- ☞ LAN - Local Area Network.
- ☞ SIM - Subscriber Identity Module .
- ☞ GSM - Global System for Mobile.
- ☞ WLAN - Wireless Local Network.
- ☞ SQL - Structured Query Language.
- ☞ XSS/CSS - Cross Site Scripting
- ☞ LFI - Link Fragmentation and

Interleaving .

Ajay Bansal
MCA-IV

Basics of Media

CD Rewritable (CDRW): A CD format that, as with tape, can be recorded on, erased, and used again for another recording.

Center Frequency: In peak/dip equalizing, the frequency at which maximum boost or attenuation occurs.

Chorus Effect: Recirculating the doubling effect to make one sound source sound like several.

Cinching: Slippage between the tape layers due to loose packing. Also known as windowing.

Clap Slate: A slate used in synchronizing sound and picture during filming and editing. The slate carries information such as scene and take number, production title, location of shot e.g., indoors or outdoors and time code. A pair of hinged boards on top of the slate called clap sticks clap together, producing the sound that is used to synchronize picture and sound.

Compilation: Rahul Mittal

Children need to be tech-savvy: Kapil Sibal

Telecom Minister Kapil Sibal said opportunities thrown up by technology can be harnessed only if the children in the country are made computer literate. Speaking at the discussion of road map for implementation of the advanced IPv6 (Internet Protocol version 6) in India, organized by industry body FICCI, he said a major part of problems that the country faced today can be resolved through technology.

"You can't talk of it in terms of moving from IPv4 to IPv6.... The enormous opportunities that we have 340 trillion IP addresses that we will have and we know that 3.4 billion IP addresses are not enough. So what if you provide the addresses if you do not

bring digital literacy to the masses," he said.

The children have to be "tech-savvy" and for that they have to be computer literate, he said, adding that if India does not have computer literate children



then it will not be able to take advantage of this transition from IPv4 to IPv6.

Taking a dig at political parties, the Minister said: "...not only that, the children will be computer

literate only when the political establishment understands the importance of IPv6. Do political parties in this country understand the importance of IPv6?

"Has the industry actually gone to political parties to make them understand the importance of IPv6? Has industry done that? Have we explained as officials to our political leaders that this is necessary?"

"Convergence means communication between devices like your mobile, TV, etc. Now in order to do that we need to get the Convergence Bill passed. But we have hurdles before us, like somebody has to understand what it means, what it will do, the legal framework it will have.

Dr. Vipul Partap

IPL 6 - 2013 Matches Tally

Team	Mat	Won	Lost	Net RR	Pts
Chennai Super Kings	10	8	2	+0.733	16
Royal Challengers	10	6	4	+0.690	12
Rajasthan Royals	9	6	3	+0.577	12
Mumbai Indians	9	6	3	+0.241	12
Sunrisers Hyderabad	9	5	4	-0.197	10
Kings XI Punjab	9	4	5	+0.172	8
Kolkata Knight Riders	9	3	6	-0.016	6
Delhi Daredevils	9	2	7	-0.761	4
Pune Warriors India	10	2	8	-1.433	4

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628

Number of runs amassed by Rohit Sharma at an average of 41.87 in 20 matches- the most by a batsman at Wankhede Stadium in IPL, bettering Sachin Tendulkar's tally of 625 at an average of 32.89 in 20 games. Rohit is the only batsman to score six fifties at this venue.

Y.C.

IMPORTANT QUOTES

"I do not consider it an insult, but rather a compliment to be called an agnostic. I do not pretend to know where many ignorant men are sure -- that is all that agnosticism means."

- Clarence Darrow

"Obstacles are those frightful things you see when you take your eyes off your goal."

- Henry Ford

"I'll sleep when I'm dead."

- Warren Zevon

"There are people in the world so hungry, that God cannot appear to them except in the form of bread."

- Mahatma Gandhi

"When you gaze long into the abyss, the abyss also gazes into you."

- Friedrich Nietzsche

Compilation: Dr. Vipul Partap

Winners V/s Losers

Part-21

Winners choose what they say;

Losers say what they choose.

Winners use hard arguments but soft words;

Losers use soft arguments but hard words.

Winners stand firm on values but compromise on petty things;

Losers stand firm on petty things but compromise on values.

Winners make it happen;

Losers let it happen.

*to be continued
in next issue*

**Compilation:
Rahul Mittal**

All Students and Faculty are welcome to give any Article, Feature & Write-up along with their Views & Feedback at youngster@tecnia.in