Indian IT-BPO Industry: The Decade Ahead

Som Mittal, in this article at http://bit.ly/bZ8oCr points out how the IT sector can transform India through economic development and ICT-enabled solutions in healthcare, education, financial services and public services, leading to the socio-economic inclusion of 30 million citizens each year

Urbanisation of Rural Areas: PURA Scheme as the Game Changer

Poor infrastructure dampens economic potential of rural areas and accelerates migration to urban areas. This, in turn, puts pressure on urban infrastructure and mushrooming slums in all large cities, says Arvind Mayaram, Additional Secretary & Financial Adviser, Ministry of Rural Development in the article at http://bit.ly/bK1cP3

Creating the Network Foundation for Cloud Computing

To get the most out of cloud computing, enterprises and service providers must re-think their data center architecture. They must make the transition to a 21st century architecture that increases simplicity, performance, scalability and reliability. Companies derive many benefits from this transition, but it is especially important for cloud computing. Read this whitepaper at http://bit.ly/9V58XC

Security & Trust: The Backbone of Doing Business over the Internet

Gaining the trust of online customers is vital for the success of any company that transfers sensitive data over the Web. When shopping online, consumers are concerned about identity theft and are therefore wary of providing untrusted sources with their personal information, especially their credit card details. Other types of online businesses require different but equally sensitive information. People are reluctant to provide their national insurance numbers, passwords, or other confidential personal information, or sometimes even just name, address, and phone number. Perhaps the information will be intercepted in transit, they fear, or perhaps the destination itself is manned by imposters with ill intent. The result is an abandoned transaction. Read this research paper at http://bit.ly/9W1FOz

Seven Best Practices for Managing Software Intellectual Property in an Open Source World

Over the past decade, a powerful new approach to development - open source software - has risen to prominence, dramatically increasing the opportunity to re-use existing software. Read this research paper at http://bit.ly/9u6vKX

Overcoming CIO Challenges in Global Mobility Management

This paper looks at some of the challenges that CIOs are facing in managing mobility. This is clearly becoming more complex for large enterprises as mobility penetrates more deeply into their organisations, driven by changing working practices and supported by rapidly evolving technology. Read this white paper at http://bit.ly/9n8kK2

Data Leak Protection Planning

This 11 pages eBook provides a four-step approach to establishing leading data protection practices. Download this from http://bit.ly/clU619

Disaster Resilience: A Guide to the Literature

Although there is a great deal of high-quality information available on resilience-related topics hazard assessment, vulnerability assessment, risk assessment, risk management, and loss estimation as well as disaster resilience itself, there is no central source of data and tools to which the owners and managers of constructed facilities, community planners, policy makers, and other decision makers can turn for help in defining and measuring the resilience of their structures and communities. The purpose of this 125 pages document at http://bit.ly/dCybh2 is to provide a survey of the literature and an annotated bibliography of printed and electronic resources that serves as that central source of data and tools to help readers develop methodologies for defining and measuring the disaster resilience of their structures and communities.

The 10 Most Common Database Vulnerabilities

Protecting databases is hardly an easy task, but it is often the attacks that go after the simplest vulnerabilities that are most successful. Enterprises that stick to the basics will generate the most bang for

their database security bucks. According to Alex Rothacker, manager of AppSec's Team SHATTER (Security Heuristics of Application Testing Technology for Enterprise Research), his team has found that are 10 common database vulnerabilities that keep plaguing organizations over and over again. Read the full story at http://bit.ly/aznby1

Slideshow: Ten Free Security Monitoring Tools

This slideshow highlights 10 free security monitoring tools. For each tool, a brief description, screen shot and the tool website URL are provide. Eg: Zenoss is an enterprise-class open source server and network monitoring solution that distinguishes itself through its virtualization and cloud monitoring capabilities, which are frequently difficult to find in older free monitoring tools. View this at http://bit.ly/dBVKXZ

How Can An Acquirer Mitigate Risks In Software Engineering Projects?

In competitive business environment, software engineering projects are moving from Time & Material (TM) contracts to Fixed Price and Time (FPT) contracts that offer less risk to the acquirer. Though, FPT contract is more risky to developer (supplier), the FPT contract offers more profit if risks are managed properly. Therefore, it is important that all the "known risks" are identified and suitable measures to mitigate those risks are undertaken by the developer. This paper identifies some important risks and measures that have to be undertaken before and during the Request for Proposal (RFP) by the acquirer. Read this paper by one of our CSI Member, Prof. R.T. Sakthidaran, of KLNCE, Madurai at http://bentham.org/open/tosej/articles/V004/64TOSEJ.pdf

Video: Machine Learning: A Love Story

Hilary Mason, a former computer science professor with a background in machine learning and data mining, has published numerous academic papers, and regularly releases code on her personal site, www.hilarymason.com presents the history of machine learning covering some of the most significant developments taking place over the last two decades, especially the fundamental math and algorithmic tools employed. In this 53 minutes presentation at http://bit.ly/acG4gH , she also exemplifies how machine learning is used by bit.ly to discover various statistical information about users.

Guide to Enterprise Telework and Remote Access Security

Many organizations employees and contractors use enterprise telework technologies to perform work from external locations. Most teleworkers use remote access technologies to interface with an organization s non-public computing resources. The nature of telework and remote access technologies permitting access to protected resources from external networks and often external hosts as well generally places them at higher risk than similar technologies only accessed from inside the organization, as well as increasing the risk to the internal resources made available to teleworkers through remote access. This 46 pages publication available at http://bit.ly/9bge4v provides information on security considerations for several types of remote access solutions, and it makes recommendations for securing a variety of telework and remote access technologies. It also gives advice on creating telework security policies.

Information Security Training Requirements: A Role- and performance-Based Model (Draft)

This document and NIST Special Publication 800-50, Building an Information Technology Security Awareness and Training Program describe key approaches of an information security awareness and training program to help ensure that individuals learn the appropriate information security-related material: All employees of an organization must be regularly or continually exposed to information security awareness techniques. All users of information and information systems must attend information security awareness training each year. This basics and literacy knowledge serves as the foundation upon which role-based training is built for those with significant responsibility for information security. Each person who has been identified by his or her organization as having significant responsibility for information security must receive formal role-based information security training. Access this 157 pages document at http://bit.ly/cwoLGH

Safer web browsing in four steps

The web is now the cybercriminal's favored means of attack, with a newly infected website discovered every few seconds. Hijacked trusted sites, poisoned search results, fake anti-virus software and phishing websites are a sample of the exploits that hit users' browsers every day. That leaves your business in a bind: Accessing the web poses enormous risks, yet you can't afford to be isolated from the internet and its resources. This white paper at http://bit.ly/bP4xiV examines the latest web threats, and recommends four best practices and a layered approach that enables your users while also protecting your organization's endpoints, network and data.

Book: Distributed Computing

The book starts with an overview of basic concepts of distributed systems and then deals with the description of networks, inter process and remote communication, synchronization of distributed systems, real-time distributed systems, distributed databases and also covers the security issues. Each of the 13 chapters at the end provides a summary, review questions and multiple choice questions to help the reader to revise the concepts. This book will be useful for the students of CSE, IT & MCA students and working professionals. Authors: Sunita Mahajan & Seema Shah. Published by: Oxford University Press. Pages: 598+xviii. Price: Rs. 325/- More about the book at http://bit.ly/fEG2Aw

Book: Software Testing: Principles and Practices

This book, presents the subject in 18 chapters grouped under 7 parts such as Testing Methodology, Testing Techniques, Managing the Testing Process, Quality Management, Test Automation, Testing for Specialised Environment and Tracking the Bug. It also presents a case study and useful appendices that provide ready to use checklists. The accompanying CD contains the executable files of the sample programs, checklists and the case study. At the end of each chapter, summary, review questions and multiple choice questions are provided to revise the concepts. This book will be useful for the students of CSE, IT & MCA students. Author: Naresh Chauhan. Published by: Oxford University Press. Pages: 612+xii plus a CD. Price: Rs. 365/- More about the book at http://bit.ly/hS5rNf

Quotes of Henry Ford

- Anyone who stops learning is old, whether at twenty or eighty. Anyone who keeps learning stays young. The greatest thing in life is to keep your mind young.
- Before everything else, getting ready is the secret of success.
- Don't find fault, find a remedy.
- Coming together is a beginning; keeping together is progress; working together is success.
- Failure is simply the opportunity to begin again, this time more intelligently.
- If there is any one secret of success, it lies in the ability to get the other person's point of view and see things from that person's angle as well as from your own.
- The only real security that a man can have in this world is a reserve of knowledge, experience and ability.
- Wealth, like happiness, is never attained when sought after directly. It comes as a by-product of providing a useful service.

The Blind Men and the Cloud

It was six men of Info Tech
To learning much inclined,
Who went to see the Cloud
(Though all of them were blind),
That each by observation
Might satisfy his mind

The First approached the Cloud,
So sure that he was boasting
''I know exactly what this is . . .
This Cloud is simply Hosting.''

The Second grasped within the Cloud,
Saying, ''No it's obvious to me,
This Cloud is grid computing . . .
Servers working together in harmony!''

The Third, in need of an answer,
Cried, ''Ho! I know its source of power
It's a utility computing solution
Which charges by the hour.''

The Fourth reached out to touch it,
It was there, but it was not
''Virtualization,'' said he.
''That's precisely what we've got!''

The Fifth, so sure the rest were wrong
Declared ''It's you fools,
Applications with no installation
It's breaking all the rules!''

The Sixth (whose name was Benioff),
Felt the future he did know,
He made haste in boldly stating,
''This _IS_ Web 3.0.''

And so these men of Info Tech
Disputed loud and long,
Each in his own opinion
Exceeding stiff and strong,
Though each was partly in the right,
And all were partly wrong!

ICT News Headlines & Briefs

- Kapil Sibal put in charge of Communications & IT.
- TCS to hire 50,000 this year and next.
- The Government rejected the Opposition demand for setting up a Joint Parliamentary Committee (JPC) to look into the allocation of the 2G spectrum.

- IBM signs research collaboration agreement with IIT-Madras and IIT-Kharagpur to develop systems that will help power grids become more efficient and resilient.
- HCL launches technology hub in Manesar, Haryana. It is a 'green' facility and will employ over 3,200 people housed in 9 lakh sq ft of eco-friendly buildings with an investment of Rs 260 crore.
- Import of second-hand computers and computer peripherals is banned.
- A Central Pollution Control Board survey estimates that 1.47 lakh tonnes of e-waste was generated in the country in 2005, which is expected to increase to 8 lakh tonnes by 2012. The authorized and registered e-waste recyclers in the country have the capacity to handle about 95,500 MTA of e-waste.
- Supreme Court frowns on PM's long 'inaction and silence' on Raja.
- Executive summary of CAG report. Read it at http://bit.ly/hnNpOQ
- 9 realty firms, 6 of Unitech Group, got licence 'despite misrepresenting facts'.
- Google unfazed by Facebook's messaging system plan.
- Campus hiring: Tech companies to tread cautiously.
- Cloud computing will take hiring sky high.
- Google has launched some initiatives in its AdWords programme to intensify its focus on small and medium enterprises (SMEs).
- TRAI asks Govt to cancel 69 licences of 6 telecom cos.
- Wipro tops carbon disclosure index.
- MindTree to tie-up with educational institutions.
- 2G: New operators may be told to pay more or quit.
- TRAI suggests penalty on 7 telcos for missing roll-out.
- IBM India to tie up with more engineering colleges in Kerala.
- Fishery, poultry sectors on Nokia Life Tools radar.
- 2G scam probe to be completed by March, says CBI.
- Go social, or lose millennial customers, says expert.
- CBI, Nasscom sign pact for cyber crime probe, training.
- DoT readying to invite bids for rural broadband launch.
- Microsemi unveils 65-nanometer embedded Flash technology.
- Mobile Number Portability now just an SMS away.
- 'Only 20% of urban mobile users will take to 3G'.
- Nasscom sees 'marginal cost impact' on UK's new visa norms.
- 2G scam: CBI objects to court appointed team monitoring probe.
- TVC Skyshop, the business-to-consumer (B2C) company, will launch a netbook priced at Rs 7,000 by the end of this month.
- Pan-India mobile number portability from Jan 20.
- BSNL goes cash negative; to borrow Rs 14,000 cr.
- Delay in gear tender: BSNL losing 'revenues of Rs 1,000 cr' annually.
- IT captains join hands to promote professionalism, ethics.
- Patni Computer Systems to hire 1,100 next year.
- Tata Photon Plus MP3 Device launched.

Announcements
- For CSI Calendar of Events, pl. visit http://www.csi-india.org/web/csi/csicalendar-november10
- Read the recent issue of CSI Student Centric ePublication "Adhyayan" at http://www.csi-india.org/web/csi/adhyayan-october2010
- Project Proposals are invited from faculty Members and Students under the scheme of R&D Funding for the year 2010-11 by CSI. For details, visit www.csi-india.org
- To join CSI as a member, pl. visit http://www.csi-india.org/web/csi/membership
- If you are interested in talking on your area of competence at CSI chapters, pl. register as a distinguished speaker at http://www.csi-india.org/web/csi/email
- If you are interested in organizing a workshop on "Embedded Robotics" in your college with the support of CSI Education Directorate, pl. contact Yogendra.gahlaut@csi-india.org
- To get the conf. proceedings of IFIP Networking 2010: International Conference on Networking hosted by IIT Madras and CSI during 10-14, May 2010, pl. contact Mr. S. Ramasamy at sypsys@md5.vsnl.net.in

IT Events: Call for Participation
- ICoAC 2010: 2nd International Conference on Advanced Computing, 14-16, Dec 2010 at Anna University Chennai, MIT Campus, Chennai. www.annauniv.edu/icoac2010

- ICSIP-2010: International Conference on Signal and Image Processing, 15 – 17, Dec 2010 at RMD College of Engineering, Chennai www.rmd.ac.in/icsip2010/
- Workshop on Python Programming. 20 – 22, Dec 2010 at Rajalakshmi Engg College, Chennai. Fee: Rs. 300/= Contact: Mr. J.N. Benedict, Ph: 9380508363, benedictnicholas@yahoo.com
- CONSEG-2011: International Conf. on Software Engineering. 17-19, Feb 2011 at Bangalore. www.conseg2011.org

Call For Papers:
- NCCSE-2011: 2nd National Conference on Computational Science and Engineering. 4-5, Feb 2011 at Kochi. Email: mca.rajagiri@gmail.com / jayamahesh99@yahoo.co.in Last date: 30th Dec 2010. www.rajagiri.edu
- NCSIE-2011: 3rd national Conference on Information and Software Engineering. 18-19, Feb 2011 at AVIT, Chennai. Contact: Dr. A. Anthony Irudhayaraj, Cell: 09443884732, Email: ncise2011@gmail.com Last date: 21st Dec, 2010. www.http://ieeecs-ncise.com/
- NCVESCOM-11: 4th National Conference on VLSI, Embedded Systems, Signal Processing and Communication Technologies. 7 –8, Apr 2011 at Chennai. www.avit.ac.in
- ACC-2011: International Conference on Advances in Computing and Communications. 22-24, Jul 2011 at Kochi, India. www.acc-rajagiri.org

Scholarships & Fellowships
- **ISOC Fellowship to the IETF:** ISOC provides a Fellowship program to enable more technologists from developing regions to attend in person at Internet Engineering Task Force (IETF) meetings. Applications open from 15 November to 17 December 2010 for the next two IETF meetings: IETF 80, 27 March-01 April 2011, Prague, Czech Republic and IETF 81, 24-29 July 2011, Quebec City, Canada. For details, pl. visit https://www.isoc.org/educpillar/fellowship/index.php

InfoQuiz–2010-12-01 (Four Prizes to Win)

1. Who is considered as the "Father of Indian Software Industry"
2. Which website is regarded as "The world's first AI question-answering platform"
3. ------ is the movie about Facebook.
4. Identify company whose tagline is "Technology that touches lives"
5. Name the authors of the book "Blown to Bits"

Email your answers by **12th Dec 2010** to csi.infoquiz@gmail.com **with subject "infoquiz-2010-12-01".** Please provide your name, designation, company/institution, full postal address (to send the prize) and the contact phone nos. after the answers. The first person to answer correctly and one randomly selected lucky winner will be awarded Rs. 500/= each by **SRA Systems** (www.srasys.com). **Oxford University Press** (http://www.oup.co.in) has come forward to present the books (Distributed Computing & Software Testing Principles and Practices) listed in this issue of the newsletter. While the second person to answer correctly will get one book, the other book will be sent to another luckier person randomly selected. In effect, there will be FOUR prizes – two cash prizes of Rs. 500/- each and two prizes of one book each. Answers along with the winner info will be published in the next issue.

Answers & Winners of InfoQuiz-2010-11-16
- Watts Humphrey, Google's Android Releases, Goggles, Dell, Louis V. Gerstner Jr.
- Ms. K. Prabavathi from Chennai is the first one to answer correctly and Mr. T.S. Venkatesan from Chennai is the lucky winner. They will receive a cheque for Rs. 500/= from SRA Systems shortly.

About the CSI-eNewsletter
CSI-eNewsletter is a compilation of information from different sources which would be of interest to ICT professionals, academicians and students and published on 1st and 16th of every month. While adequate care has been taken to ensure the accuracy of links provided, we do not accept any liability. For the archives of this newsletter, pl. visit http://www.csi-chennai.org/csi-enl/csi-enl-archives.htm or at http://www.csi-india.org/web/csi/archives

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