CSI eNewsletter wishes its readers a Happy and Prosperous New Year

How to Hang On to Your Job: Irreplaceable You

These days, it's important to know how to make yourself appear less "redundant" in order to avoid being jettisoned in a layoff. Laurence Shatkin, author of "2011 Career Plan," notes that, "Nowadays, very few employers feel any kind of loyalty toward their workers…If your job can be done by a robot, a slick computer app, a worker on some foreign shore, a part-timer, a temporary worker or a fresh-faced graduate with the latest book-learning and low wage expectations – look out!" A California Job Journal article offers tips for hanging on to your job, including becoming a specialist in an area that makes you difficult to replace. Job seekers have already noticed that employers are ever more interested in hiring people with highly specific and defined sets of skills than someone with years of experience and skills that might be transferable. Read on at http://bit.ly/dlxiWr

Desktop Virtualization – 10 Mistakes to Avoid

The benefits of virtualization needs no further telling, as is evident with the exuberance that enterprises are displaying in taking to various forms of virtualization. While the benefits one can reap from virtualization are beyond debate today, the planning and execution calls for strategizing carefully to avoid pitfalls in future. This 17 pages white paper from Citrix at http://bit.ly/ayFnuF focuses on the top 10 mistakes enterprises make en route desktop virtualization, from ignoring impact on network to improper storage design.

How to Make a Humanoid Robot Dance

Japanese roboticists recently showed off a female android singing and dancing along with a troupe of human performers. Video of the entertaining and surprisingly realistic demonstration received millions of views on the Internet. How did they do it? Read the interview with Dr. Kazuhito Yokoi, leader of the Humanoid Research Group at Japan's National Institute of Advanced Industrial Science and Technology at http://bit.ly/brhZgH

Video: The Private Cloud: Amazon, Google, ... and You!

Jon Brisbin, responsible for architecting and implementing the computing infrastructure required to deploy cutting-edge Web 2.0 browser-based applications for NPC, the world's largest Pizza Hut franchisee, tells the story of how his company of 30,000 employees moved from an ancient system to making their own private cloud based on vSphere, tcServer, RabbitMQ, and a REST framework over the period of one year. He presents the minimum requirements needed to create such a cloud, underlining the advantages brought by virtualization, parallelism, and asynchronicity. Watch this 1 hr 27 minutes presentation at http://bit.ly/bTH9BM

AT&T Position on IPv6: A White Paper for Enterprise Customers

The introduction of IPv6 has begun, and full migration to IPv6 will be a multi-year program. This paper explains why it's important to include IPv6 support in new projects from day 1, and to incorporate IPv6 in your normal hardware / software refresh cycles. Read this white paper at http://bit.ly/hb3zxo

Seven rights of cloud computing service users

Cloud computing service users ought to establish a set of value propositions before adopting cloud computing. It is imperative for cloud computing service users to know about their rights and responsibilities. At the Gartner India CIO & IT Executive Summit 2010, Rakesh Kumar, research vice president (VP), Gartner and Stephen Prentice, VP and Gartner fellow elaborated on the seven rights of cloud computing service users. Read the article at http://bit.ly/eTCRhv

Should Your Email Live In The Cloud? A Comparative Cost Analysis

When Google launched Google Apps Premier Edition for $50 per user per year, it raised the question, "How much should we be paying for email?" But it's not just this eye-popping price that should trigger the question about where you should run your email. Instead, every time you have to upgrade, switch, or add users to your email system, you should examine your fully loaded costs and consider the delivery alternatives. This report at http://bit.ly/hg5EzV presents a spreadsheet cost model to help you calculate your fully loaded on premise email costs and compare it against cloud-based alternatives. Bottom line: Cloud-

based email makes sense for companies or divisions as large as 15,000 users. And every company can benefit from occasional users or email filtering to a cloud-based provider.

The Battle for Productivity-and the Tools You Need to Win It

This 41 pages white paper at http://bit.ly/eBmWvW discusses the numerous technical and ergonomic aspects of the battle for productivity that business executives and IT managers are fighting daily while outlining the many in which ways these same factors have so strongly influenced the development of System Mechanic.

Best Practices for Provisioning for Development Databases

This whitepaper at http://bit.ly/f9Cxdd discusses best practices and new technologies that will help you create highly efficient test and development environments to enable you to save time and resources, and streamline data provisioning processes to achieve significant cost savings and better regulatory compliance.

Free subscription to "Solid State Technology" magazine

Solid State Technology magazine is the longest-running semiconductor magazine and is the most complete source of information for the semiconductor & semiconductor packaging manufacturing industry. Each issue covers the latest on semiconductor business news and products with topics such as nanotechnology, semiconductor equipment, wafer processing, packaging design, IC packaging, packaging technology and other issues important to professionals in the business of semiconductor manufacturing. For a free subscription of the digital edition, pl. visit http://www.omeda.com/cgi-win/sst.cgi?p=NE10CA

Basics of Requirement Engineering

Requirements engineering is composed of four key activities – requirements elicitation, requirements analysis and negotiation, requirements specification or documentation and requirements validation. Requirement elicitation is the action of discovering system requirements through consultation with stakeholders. Some of the sources of this discovery could be system documents, domain knowledge, and market studies. Requirement analysis and negotiation is possessing the ability to analyze requirements in details and negotiate them with stakeholders on which requirements are to be considered. Requirement specification or documentation is the action of documenting agreed requirements at a certain level of detail. Finally, requirement validation is the process of reviewing requirements for clarity, consistency and completeness. This article at http://bit.ly/eSGZuA is an attempt to address a set of key areas where things can go wrong during requirements engineering.

Ten key mobile technologies for 2011

Gartner has recently identified ten mobile technologies that will evolve significantly through 2011 in ways that will impact short-term mobile strategies and policies. The analyst firm observes that investments in mobile applications and technologies will increase through 2011 as organizations emerge from the recession and ramp up both business-to-employee (B2E) and business-to-consumer (B2C) mobile spending. Read the full story at http://bit.ly/hCTVZ5

Gartner defines top 10 strategic technologies for 2011

Gartner in its recent findings has highlighted what it describes as the Top 10 Strategic Technologies for 2011. Cloud computing, Media Tablets, Social communication and collaboration technologies along with Context-aware computing and Storage class memory are some of the technologies that the analyst firm expects to make significant impact for an enterprise in the next three years. Read the full story at http://bit.ly/ihTEto

Communication trends for 2011

Explore how communication will be influenced by Unified Communications, Video, Tablets, SIP Trunking and the cloud at http://bit.ly/fO9zYa

Characteristics of an Entrepreneur

The A to Z of the characteristics of an entrepreneur: Much academic research has been conducted to define the characteristics of an entrepreneur. Like an animal in the zoo they have been studied at length by economists, anthropologists, management academics, psychologists, sociologists, historians, finance experts and organisational scholars. Who are these creatures? Why do these persistent people never know when to give up? What drives them to take risks that ordinary folk find overwhelming? Where do they get that energy? How do they create value from nothing and most importantly … what are the characteristics that define them as an entrepreneur. As practicing entrepreneurs, lecturers and authors of entrepreneurial books and material, Dr. Neil Flanagan and myself have developed our own view on the A to Z characteristics of an entrepreneur. Read the post at http://bit.ly/ewH6l0

Business Presentation Primer

How do we design and deliver a successful business presentation? The delivery of key messages is an art combining form and content for maximum impact. Technology aside, be prepared and anticipate. Adapt your message to its audience. Read the post at http://bit.ly/gPXXOj

30 Ways to Detox Your Home and Body

Imagine waking up without an ache or pain, cruising through your day with energy and ending it by enjoying a refreshing night's sleep. Then, imagine waking up to do it all over again. Think it's impossible? Think again. The key is eliminating toxins from your body and your life. Toxins can leave you feeling sluggish, achy, heavy, and out-of-shape. They can also be a factor in the development of chronic diseases like cancer, arthritis, allergies, and many other serious conditions. Here's where to start: http://bit.ly/fSV2g8

Books

Brief review of books useful to both students and professionals are included under this column. The publishers -- Oxford University Press and Shroff Publishers & Distributors Pvt Ltd have come forward to present the books to the winners of the Info Quiz.

Web Technologies: This comprehensive textbook specially designed for the UG and PG students of CSE, IT and Computer Applications. The book will be equally useful for web professionals. In four parts, this book covers the various web technologies such as HTTP, Java Network Programming, HTML, and Cascading Style Sheets (CSS), XML and related concepts such as Namespaces, DTD, Schema, XPath, XQuery, and XML Transformation, client-side web technologies such as JavaScript, Applets, AJAX. And the primary server-side web technologies such as CGI, Servlets, and JSP. The text is supported by numerous illustrations, examples, program codes, and screenshots. Each of the 22 chapters starts with key objectives and ends with key words defined, web resources, and exercises covering review questions multiple choice questions. Author: Uttam K Roy. Published by: Oxford University Press. Pages: 758+xviii. Price: Rs.395/- More about the book at http://bit.ly/hzNLss (This book is being given as a prize to the Info Quiz Winners)

Information Technology for Management: The book covers the basics of information technology (IT) and its application in a business environment. Designed for the students of business management and computer applications, the book explains the concepts with the help of examples, exhibits, figures, and cases. This book of 21 chapters is divided into five parts: IT Infrastructure, IT Production Tools, Internet and Network Protocols, IT Management, and IT Applications—Business Systems. After a detailed introduction to IT in Part I, the book discusses the various kinds of IT infrastructures. In Part II various IT production tools such as MS Office, data management, and those related to the Web are dealt with. The Part III discusses network management tools and protocols and global connectivity. Business automation platform, infrastructure management, security management, information management, and audit are covered in Part IV. The Part V deals with the business applications of IT such as e-governance, e-commerce, customer relationship management, supply chain management, knowledge management, management information systems, etc. Each chapter starts with learning objectives and ends with summary; list of key terms defined; review questions; projects and references. With its practice-oriented approach, the book would be equally useful to professionals besides students. Author:B. Muthukumaran. Published by: Oxford University Press. Pages: 680+xvi. Price: Rs.395/- More about the book at http://bit.ly/hzjva2 (This book is being given as a prize to the Info Quiz Winners)

Hard-Knocks Communication: Thirty Six Timeless Rules for Success: This book is an amalgamation of anecdotes, jokes and historical facts which focus on the power of communication. A non-stop read, with simple messages, insightful, relevant, practical and timeless. The 36 rules include: 1. Importance of Silence. 2. Importance of Listening. 3. Importance of Understanding the Hidden Agenda. 4. Importance of Empathy. 5. Importance of Tact   6. Importance of Tuning in 7. Avoid Foot-In-Mouth Disease. 8. Maintain Your Cool Always. 9. Your Attitude Shows. 10. Create an Impact – Power of Words. 11.Using Wit and Ingenuity. 12. Actions Speak Louder than Words. 13. Importance of Timing – Seize the Moment. 14. The Way You Put It Makes a Difference. 15. The Way You See It Makes a Difference. 16. Importance of Credibility. 17. Be Specific. 18. Be Brief. 19. Be Comprehensive. 20. Be Prepared. 21. Think WIFT – What's In It For Them. 22. Rapport Talk. 23.You Can't Please Every One. 24. Tit for Tat – Witty Retorts. 25. Don't Bore. 26. Avoid Mis-Communication. 27. Overcoming Fear. 28. Giving and Receiving Feedback. 29. Thanks and Gratitude. 30. Body Language. 31. Face to Face is Better. 32. Vocal Qualities. 33. Money Talks. 34. First Impressions. 35 End Well. 36. Humor at the End. Author: Giri Subramanian. Published by: Shroff Publishers & Distributors Pvt Ltd. Pages: 222. Hardback. Price: Rs. 250/- More about the book at http://bit.ly/gNXb5O Readers of CSI-eNL can get this book at 15% discount with free shipping. Contact: spdchennai@shroffpublishers.com (This book is being given as a prize to the Info Quiz Winners)

The PMP Exam - How To Pass On Your First Try: This self-study guide for the Project Management Professional (PMP) certification exam based on the Guide to the Project Management Body of Knowledge (PMBOK® Guide), from the Project Management Institute. This book contains everything a project manager needs to know to pass the PMP Exam, including 44 processes, and 592 inputs, tools, and outputs. Exam topics are covered and insider secrets, complete explanations of all PMP subjects, test tricks and tips, a good no. of highly realistic sample questions, and exercises designed to strengthen understanding of PMP concepts and prepare managers for exam success on the first attempt are provided. The glossary, final exam model question paper and the online companion website are the useful additions. Author: Andy Crowe. Published by: Shroff Publishers & Distributors Pvt Ltd. Pages: 552. Price: Rs. 600/- More about the book at http://bit.ly/fJfNPg Readers of CSI-eNL can get this book at 15% discount with free shipping. Contact: spdchennai@shroffpublishers.com (This book is being given as a prize to the Info Quiz Winners)

Foundations of Algorithms: This book, meant for mainstream computer science students, offers a balanced presentation of algorithm design, complexity analysis of algorithms, and computational complexity. It assumes a basic background in college level algebra and discrete structures. The authors have presented mathematical concepts using Standard English and a simpler notation. A review of essential mathematical concepts is also presented in three appendices. Some of the key features include: C++ and Java pseudo code to help students better understand complex algorithms; numerous examples throughout, ensuring that students have a clear grasp of the complex algorithms. This special 1ˢᵗ Indian Reprint in two colors, makes it easier to read and is priced at Rs. 595/= as against the original edition priced at USD 123.95. Authors: Richard Neapolitan, Kumarss Naimipour. Published by: Jones and Bartlett India Pvt Ltd. Pages: 627. More about the book at http://bit.ly/gaUbRy

Felix Scholarships for Indian Students 2011,UK
Felix Scholarships will be offered at each of the three Institutions University of Oxford / University of Reading / School of Oriental and African Studies for Indian graduates taking up places in Sep/Oct 2011 for: Masters or PhD in various subjects including Computer Science. The scholarships will cover full fees, living costs, a return air fare, and provide additional allowances for books, equipment, warm clothing etc. Application Deadlines: Reading: 18 February 2011; SOAS: 31 January 2011; Oxford: 21 January 2011. For additional details, visit http://bit.ly/i9GbcD

Government of India funded projects for students
DSIR, Ministry of Science & Technology, Govt of India has announced a fellowship scheme for BE/MBA students, where they can do a live project while still studying and earn Rs 10,000/- Details are at http://bit.ly/gE0iBM

Love & Marriage
Love is holding hands in the street. Marriage is holding arguments in the street.
Love is dinner for 2 in your favorite restaurant. Marriage is a take home packet.
Love is cuddling on a sofa. Marriage is one of them sleeping on a sofa.
Love is talking about having children. Marriage is talking about getting away from children.
Love is going to bed early. Marriage is going to sleep early.
Love is a romantic drive. Marriage is arriving on tops curvy tarmac.
Love is losing your appetite. Marriage is losing your figure.
Love is sweet nothing in the ear. Marriage is sweet nothing in the bank.
TV has no place in love. Marriage is a fight for remote control.
Love is 1 drink and 2 straws. Marriage is "Don't you think you've had enough!"
Conclusion: "Love is blind, Marriage is an eye opener!"

Source: From Internet through Mr. K. Adhivarahan

Quotes of Albert Einstein
- A perfection of means, and confusion of aims, seems to be our main problem.
- A person who never made a mistake never tried anything new.
- A table, a chair, a bowl of fruit and a violin; what else does a man need to be happy?
- All religions, arts and sciences are branches of the same tree.
- Any intelligent fool can make things bigger and more complex... It takes a touch of genius - and a lot of courage to move in the opposite direction.
- Any man who can drive safely while kissing a pretty girl is simply not giving the kiss the attention it deserves.
- Common sense is the collection of prejudices acquired by age eighteen.
- Great spirits have always encountered violent opposition from mediocre minds.
- I have no special talent. I am only passionately curious.
- If the facts don't fit the theory, change the facts.
- If you can't explain it simply, you don't understand it well enough

ICT News Headlines & Briefs

- A new technology developed by Intel and Infosys will allow you to control electronic and electrical gadgets from office.
- According to Forrester Research, while the US economy will grow around 3- 4 per cent in 2011, the technology sector will grow twice as fast.
- 2G scam: Apex court asks CBI to probe from 2001-08.
- GSM operators add 17 million subscribers in Nov 2010.
- According to a study by The Digital Energy Solutions Consortium India, adoption of IT solutions in sectors such as power, transport and buildings could help India fight climate change by potentially reducing greenhouse gas (GHG) emissions by up to 450 million tonnes annually by 2030.
- Rajeev Chandrasekhar wants public debate on 2G spectrum.
- TCS gets Rs 85-cr Indian Bank deal.
- IBM bags Delhi airport project.
- Wipro has become the first Indian company to join Greenpeace's CoolIT Leaderboard rankings. .
- Symantec's 2010 Critical Infrastructure Protection (CIP) Survey states that nearly 50% India's critical infrastructure providers are victims of cyber attacks.
- Canonical has announced that the Ubuntu Developer Day is scheduled to take place in Bangalore on January 27, 2011.
- Raja did not follow previous Govt's norms on 2G: Shourie.
- Don't obfuscate 2G issue, says Shourie.
- BlackBerry maker offers cloud-based monitoring.
- Willing to appear before PAC on 2G scam, says PM.
- MindTree to lay off 30 engineers.
- Accenture wins Nagaland portal project.
- Telcos to meet security concerns on 3G within 6 months.
- India continues to be the most sought after destination for offshoring services in spite of tough competition from China, the Philippines, Vietnam and Indonesia, according to Gartner.
- Mahindra Satyam's small investors worried about merger valuation.
- Airtel sets up lab for application developers.
- Airtel: Maximum SMSes (12 billion) were sent on Diwali.
- BPO sector likely to grow 15% next year: -- Genpact CEO.
- MRP-based excise levy introduced. Packaged software for retail sales has now been brought under the Maximum Retail Price (MRP)-based excise levy. Relief on retail sales.
- Radiation levels from cellular base stations in Delhi are hundred times lower than the international safety standards, according to a joint study done by IIT Madras, Thiagarajar College of Engineering, Madurai, and the Centre of Excellence in Wireless Technology, Chennai.
- Bharti Airtel, in association with China Telecom Corporation, announced the launch of a 40 Gbps direct underground terrestrial link between India and China.
- CBI questions Raja on 2G spectrum scam.
- IT job market buzzing with activity again.
- Infoparks Kerala has charted plans to emerge as a major IT park. The State agency intends to raise the no. of parks to 10 from two now and invest Rs 10,000 crore in IT infrastructure.
- For IT security researchers, 2011 may be malevolent worse.
- I-T Dept orders special audit of Mahindra Satyam accounts.
- BPO industry sees clouds clearing up -- To focus more on value-added services, innovation.
- HCL Infosystems, Ernakulam Co-op Bank tie up for laptop scheme -- at zero per cent interest, with 100% financing and no processing charge levied. The tenure of the loan is 24 months.
- Technology-enabled or smart class education training market size is estimated to be a whopping $15 billion.
- According to IT research firm IDC, India's PC market is estimated to grow 22% in 2011, with notebooks notching about 42% growth and desktops logging nine per cent growth.
- The Technopark Technology Business Incubator (T-TBI) and The Indus Entrepreneurs (TiE), Kerala, have signed a MOU for the promotion and development of small and medium enterprises (SMEs) in Kerala.

Announcements

- For CSI Calendar of Events, pl. visit http://www.csi-india.org/web/csi/csicalendar-december10
- 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

IT Events: Call for Participation & Call For Papers
- CONSEG-2011: International Conf. on Software Engineering. 17-19, Feb 2011 at Bangalore. www.conseg2011.org
- 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 Website: www.rajagiri.edu
- NCISE-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 Website: 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

InfoQuiz–2011-01-01 (Six Prizes to Win – Four Books and Two Awards of Rs. 500/- each)

1. Name the e-learning venture recently launched by the former captain of Indian Cricket Team – Kris Srikanth.
2. Name the Time's Person of the Year 2010.
3. ------ is the recently discovered worm that spies on and reprograms industrial systems and specifically targets Supervisory Control And Data Acquisition (SCADA) Systems which are used to control and monitor industrial processes.
4. Identify the company whose tagline is "Quietly Brilliant".
5. Who had coined the term "cyberspace".

Email your answers by **13th Jan 2011** to csi.infoquiz@gmail.com **with subject "infoquiz-2011-01-01".** 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) & **Shroff Publishers & Distributors Pvt Ltd** (http://www.shroffpublishers.com) will present the books (Web Technologies, Information Technology for Management, Hard-Knocks Communication: Thirty Six Timeless Rules for Success, The PMP Exam - How To Pass On Your First Try) whose brief review appear in this issue. In all, there will be SIX prizes – TWO cash prizes of Rs. 500/- each and FOUR prizes of one book each. Answers along with the winner info will be published in the next issue.

Answers & Winners of InfoQuiz-2010-12-16
- WikiLeaks, Azim Premji, Adam, Check Point, Haryana
- Awards of Rs. 500/= each from SRA Systems: Mr. R. Jayakanthan from Chennai from Ms. Savitha Anilkumar from Bangalore.
- Books from Oxford University Press: "Supply Chain Management: Process, System, and Practice (Book with a CD)" to Mr. Shrenik Daklia from Rajnandgaon & "Mobile Computing" to Mr. P. Rajesh from Namakkal.
- Books from Shroff Publishers & Distributors Pvt Ltd: "LAMP Programming for Professionals" (Book with CD & DVD) to Mr. R. Saranyaraj from Coimbatore & "Enhancing Soft Skills" to and Ms. P. Sharanya Raghav from Hyderabad

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