

Chairman's Message

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Dear Friends,

Wish you all a very happy and prosperous new year 2010.

We are extremely happy that IEEE Madras Section has done well with several excellent activities during the year 2009. The credit goes to all the Execom Members and well wishers associated with the Section.

The IEEE Region 10 has sanctioned a grant of US \$ 200 to IEEE Madras Section to conduct the Teachers in Service Program (TISP) for school teachers. We are happy to mention that IEEE Student Branch of SSN College of Engineering came forward and organized a two day workshop on "Engineering Principles in Science and Mathematics Classrooms" for higher secondary school teachers of Chennai and Kanchipuram Districts on 17, 18 December 2009. Twenty five school teachers attended the workshop. Mr. Aswhin Kumar Sahoo, IEEE Student Branch Counsellor welcomed the gathering. Dr. Muthan, Professor, Department of ECE was the Chief Guest for the Inaugural function, presided over by me, and delivered a lecture on Macros to Micros. Dr. V. Rajini, Professor, Dept. of EEE, SSNCE delivered a lecture on "Understanding Engineering is simple". Eminent Professors from the various disciplines delivered lectures on the workshop on the topics such as, Is Chemistry boring?, Learning Physics is Fun, Mathematics is simple, etc. All the lectures were well received and the feedback was excellent. Dr. K. Kasthuri, Dean, SSNCE distributed the certificates to the participants. Ms. P. Kaythry, NSS Programme Officer proposed vote of thanks.

On behalf of IEEE Madras Section, I congratulate Mrs. M. Ramalatha, Treasurer of IEEE Section for having been identified for the Life Time Achiever Award by the Lions Club International for the work she has done in Academics and for the upliftment of society.

IEEE Madras Section will be conducting a Faculty Development Program on "Natural Computation in Engineering" on 6 and 7 February 2010 at Velammal Engineering College, Chennai.

All the IEEE members are hereby requested to renew their memberships immediately for the year 2010. For further details, please visit www.ieee.org.

IEEE Madras Section AGM will be held on Friday, 12th Feb 2010 at Hotel Palmgrove at 5.30 p.m. Dinner will follow the AGM. Formal invite will be sent separately.

Editorial Team

Mr. H.R. Mohan, Dr. S. Salivahanan, Dr. M. Ponnaivaikko,
Dr. P. Suresh Chander Pal, Mr. T.S. Rangarajan, Mrs. M. Ramalatha

From The Editor's Desk

H.R. Mohan
hrmohan@gmail.com



Dear Friends,

LINK wishes all its readers A HAPPY AND PROSPEROUS NEW YEAR 2010.

In the current issue of LINK, we have reported on events held at various student branches which include guest lecture on "VLSI technology" and IPAAT-09 at K.S. Rangasamy College of Technology, guest lecture on "Power Quality Improvement" and training programme on "LabVIEW" at Anand Institute of Higher Technology, inauguration of the student activities at RMK College of Engineering and computer training for rural students at Coimbatore institute of Engineering and Information Technology.

WIE branch started recently at VIT University was active. Three workshops – Networking in Linux, Adobe Photoshop and Movie Making held during Sep-Oct 2009 are published in this issue.

AVIT conducted a Faculty Development programme on "Graphical Systems Design Concepts" and a National Workshop on Next Generation Wireless Technologies - Long Term Evolution was held at MIT, Anna University. Short reports on these events appear in this issue of LINK along with seven events organized by the IEEE Computer Society which include: Computer Security Day celebrations, Talk on Mind ESP System, National Conf. on "Recent issues in Network Galaxy", International Conf. on "Millennium Development Goals", International Conf. on "Global Computing and Communications", Seminar on "Higher education and career opportunities in Software Engineering" and an International Conf. on Software Engineering.

An article by the student members Aishwarya, Krithika and Hema Chandrasekar dealing with Cancer treatment and Info bits on "Predictions for the Internet in 2010" and "the Year in Robotics", Tips on "How to win friends and influence people" and short notes on achievements of our members included in the current issue would interest the readers.

The new combined and cost effective student membership offer for the year 2010 in IEEE & IEEE CS with access rights to the IEEE CS Digital Library at just USD 40 per year is still open and we request the faculty members to advice students suitably.

LINK congratulates Mr. S. Subramanian of BITS and Mr. Vivek Muralidharan of Sri Muthukumar Institute of Technology, the winners of Info Contest - 0912 who will receive a prize of Rs. 500/= each sponsored by SRA Systems.

LINK draws the attention of readers to conferences such as "Latest issues in Information Technology", "VLSI, Embedded Systems, Signal processing and Communications", "Advances and Emerging Trends in Computing Technologies" and "Information and Software Engineering" scheduled in the forthcoming months. Readers may pl. respond to the call for papers as well as participate in them.

LINK requests contributions are sent by 8th of every month as per the guidelines for inclusion in the newsletter.

Guest Lecture at K. S. Rangasamy College of Technology



The IEEE student branch of K.S.Rangasamy College of Technology, Tiruchengodu organized a Guest Lecture on “RECENT ISSUES AND AWARENESS IN VLSI TECHNOLOGY” on 5th Sep 09. The programme began with the ceremonial tribute to the Almighty. Dr. N. Santhiyakumari, IEEE

student branch coordinator/Prof, ECE, KSRCT welcomed the gathering. Dr. K. B. Jayanthi, Head/Prof, ECE, KSRCT felicitated the function and presented a memento to the Guest. In his address, Dr. K. Thyagarajah, Principal, KSRCT explained the relevance of the topic and usefulness of IEEE membership. He also released the I-PAAT logo and awarded the certificates to the students won in the events organized by I-PAAT 09 as a part of IEEE student activities.

Mrs. M. Shenbagapriya, IEEE Graduate Student Member, KSRCT introduced the Chief Guest, Mr. V. Dineshkumar, Project Leader D’GIPRO, Design Automation & Marketing Private Ltd., Bangalore, a renowned person in the field of VLSI DESIGN. He has contributed in his work by releasing more than 10 chips.

Mr. Dineshkumar briefly outlined the VLSI DESIGN FLOW. He went on defining the IR drop analysis, Physical verification, Placement & routing and Power minimization. The lecture was attended by faculty members, PG students and final year students of ECE. The talk was highly interactive with questions raised by the participants and clarified as the presentation progressed. It is an excellent opportunity to all to exchange information on the latest developments in VLSI technology.

The function came to a formal closure with Ms. S. Saranyadevi, IEEE Graduate Student Member, thanking everyone who made the event a grand success.

Report by: Dr.N.Santhiyakumari, Prof /ECE, ieeeestudent@ksrct.ac.in

Guest Lecture at Anand Institute of Higher Technology



The IEEE student branch of AIHT organized a guest lecture for the third and final year EEE students on “Power Quality Improvement using Modern Converters” on 30th Jul 2009. The programme started with lighting of kuthu vilakku by Dr.S. Arivalazhi, Director and welcome address was delivered by Mr. Shridharan, Secretary. The chief guest was introduced by Dr.T.A.Raghavendiran, Principal. The guest lecturer was given by Dr. Aravindhyan, Professor, EEE, SSN college of Engineering. He talked about the area of power system pollution and their solution techniques by means of “Improved Power Quality Converters”. He stated that, the generation of harmonics and reactive power flow in a power system is greatly influenced by the widespread use of power electronic converters in addition to other sources of harmonics and reactive power. The design, development and successful application of single-phase, power quality improvement converters in domestic, commercial and industrial environment has made possible the design and development of three-

phase power quality improvement converters and their widespread use in different applications. Also he dealt with a comprehensive review of three-phase power quality improvement converter configurations, control approaches, performance on supply and load sides in terms of input power factor, THD and well-regulated, reduced-rippled DC output, power rating, cost and selection for specific applications.

The IEEE student branch activities also included one more guest lecture for the final year EEE students in the title of “Recent trends in High voltage Engineering” organized on 1st Dec 2009. He talk covered on generation & measurement of high voltages and also dealt with the protection of dielectrics, transformers etc. The talk helped the students to improve their knowledge in these areas & leads to motivate to do their project in the area of High voltage measurements.

Behind the success of this function, lie the hard work of all teaching and non teaching staffs and young energetic IEEE students of Anand Institute of Higher Technology.

Office bearers

Branch	Mr.C.Ravichandran	Sr.Lect/ EEE
counselor		
Chairman	Mr.R.Rajkumar	Fourth year ECE
Secretary	Mr.Udaykiran	Third year EIE

LabVIEW Training Program at Anand Institute of Higher Technology



The students of the Department of Electronics and Instrumentation Engineering (EIE) participated in a LabVIEW training program held at Anand Institute of Higher Technology, Chennai. Nearly 30 students and two staff members attended the five days training program which was conducted during 14-18, Dec 2009 by Mr. J. Visweswaran of National Instruments. The students were enlightened on various new concepts in the field of Virtual Instrumentation and showed great interest in learning them. A small felicitation function was held at the premises of the Dept. of EIE on 18th Dec 2009. Director (A&A) Dr. S. Arivazhagi and Principal Dr. T. A. Raghavendiran graced the occasion and spoke about the emphasis and the need for more such value added courses. Certificates were distributed to all the participants of the training program. The students have also promised that they will use this technology to good effect in all their future endeavors.

Inauguration of IEEE Student Branch Activities at RMK Engineering College



The academic activities of the IEEE students' branch of RMK Engineering College were inaugurated on the 12th of Dec 2009.

The occasion got under way with the prayer song. The IEEE student branch chairperson, Mr. Mehul Jain welcomed the gathering. The inauguration of the activities was embarked in a traditional way by the lighting of

the kuthuvilakku. Dr. T. Thyagarajan, Dr P. Suresh Chander Pal and Shri H.R. Mohan along with Dr. Raja Paul Perinbam and Dr. R. Sivakumar were present on the occasion.

While Dr. T. Thyagarajan listed out the benefits of being an IEEE member, Dr. Suresh Chander Pal delivered a motivating speech and elaborated on the activities associated with IEEE and Shri H. R. Mohan briefed the gathering on various forthcoming events organized by the IEEE Madras Section and also informed the students to avail the combined membership offer of IEEE & IEEE CS with digital library access.

Dr. R. Sivakumar expressed the vote of thanks and the function concluded with the national anthem.

The following were appointed as the Office Bearers:

Chairperson	: Mehul Jain
Vice-Chairperson	: A.Selva Kumar
Treasurer	: M.Leela Sai
Secretary	: Bipin Kumar Badri Narayanan
Joint Secretary	: R.Bharat Menon
Student Branch Councilor	: Dr R.Sivakumar
Student Branch Incharge	: T.Magesh

Various committees were also formed with chairpersons identified for the same.

I-PAAT '09: Technical Talk at K. S. Rangasamy College of Technology



I-PAAT '09 was held on 18th Aug 2009 at K.S.Rangasamy College of Technology, Tiruchengode. I-PAAT means IEEE Professional Association for the Advancement of Technology. IEEE student members of M.E. (VLSI Design) organized a "Technical Talk" as a part of I-PAAT compendium. It's an intra college competition. We have received 54 papers from all departments. The event was felicitated by our IEEE student branch coordinator Dr. N. Santhiyakumari. After much deliberation 17 delegates from various departments were screened to attend their final touch stone. The delegates were very enthusiastic and Judges find a hard time in choosing the winner and every delegate was uniquely good and worth for the trophy. At the end of session a collection of everlasting impression of IEEE student members with the delegates was taken and the organizing committee thanked all dignitaries and student members for contributing their valuable time to this precious event. Students were benefited from this activity and they reported

a complete positive feedback. We hope to carry out similar activities in an enhanced manner in the near future.

The winners of the Technical talk were:

1. Arjun.H.Pandian and A.Mukilan (III-ECE) "Life Saving Embedded System".

2. R.Satish Kumar and S.Ram Prasad (IV-EEE) "Ocean Thermal Energy Conversion".
3. D.Sriram and P.Vishnu Kumar (III-EEE) "Advance Mobility in Land SBC".

Report by: Dr .N. Santhiyakumari, Prof/ECE, santhyarajee@rediffmail.com

Computer Training for Rural Students at Coimbatore Institute of Engineering and Information Technology



IEEE Student Branch of Coimbatore Institute of Engineering and Information Technology have organized a 3 day computer training programme for Narasipuram high school students from 29th to 31st December 2009. Mr. B. Saravanan, IEEE Student Branch Counselor inaugurated the training programme. Thirty students from Narasipuram high school pursuing 9th and 10th standard participated in the programme. Three IEEE student coordinators namely, Veluprabakaran P (III Year B.E – EEE), Sudharsan Raju S S (II Year B.E – ECE) and Bhuvaneshwari U (III Year B.Tech – IT) trained the students during these 3 days.

On the first day, the students were exposed to basics of computers, hardware components and different types of software. On the second day, the students were trained on MS – WORD, MS-EXCEL. On the last day, training was given on MS – POWERPOINT and Internet. At the end of the programme, the students were given study materials for their future reference.

Section Membership as on 15th January 2010

Life Fellow	-	1
Fellow	-	1
Life Senior	-	7
Senior Member	-	75
Life Member	-	4
Member	-	1667
Associate	-	102
Affiliate	-	39
Graduate Student Member	-	920
Student Member	-	5530
Total	-	8,346

IEEE Computer Society events in Nov & Dec 2009

The following events were organized by the Madras Chapter of the IEEE Computer Society during Nov & Dec 2009

Computer Security Day Celebrations, presentation on “Defending Against the New Threats with Cloud Delivered Security” by Mr. N. Sridhar, Country Manager – Zscaler Inc. India and a presentation on “Latest e-Security Products & Services” and Live Demo on DLP, Encryption, Two Factor Authentication, SSL VPN, etc.,” by Mr. R. Sankaranarayanan, Senior Regional Manager, Raksha Technologies Pvt Ltd, Chennai on Saturday, 28th Nov 2009.

A Talk on “Explode your mind with Silva Ultra Mind ESP” by Ms. Sai Nirmala, Founder, Tranquil Gardens was held on Saturday, 5th Dec 2009. The speaker in her talk, explained how the Jose Silva Ultra Mind ESP System can help people use their mind in a more powerful way to create success both in their professional as well as in personal life. In addition, the Talk also covered the theory of

mind based on decades of research by Jose Silva, live demo of how to reach deep levels of meditation with supreme ease, tips to use affirmations to create immediate attitude shifts and few techniques of creative visualization to manifest dreams. It was a leaning experience to members about simple techniques which they can use in their daily routine to help them achieve their dreams.

A National Conference on Recent Issues in Network Galaxy 2009 RING – 09 was held during 7 – 8, Dec 2009 at RMD Engineering College, Chennai. The event was supported by Div II & Div IV, Computer Society of India, CSI Chennai Chapter, IEEE Computer Society, Madras Chapter, ISTE Chennai Chapter and Institution of Engineers India, Chennai

An International Conference on Global Computing and Communications was organized during 9 – 11, Dec 2009 at Hindustan University, Padur, Chennai, India. The event was supported by IEEE Computer

Society — Madras Chapter, IEEE Communications Society, Madras Chapter and Computer Society of India — Div II & Div IV

A seminar on “Higher education and career opportunities in Software Engineering” by Prof. Mathew Bass, Carnegie Mellon University, U.S.A. was organized on 17th Dec 2009 This seminar is intended for those who are in the final year, fresh graduates, and working professionals with about 2 years experience. The seminar will address on issues like current global job scenario for software engineers, challenges in software engineering career, right and quality education to face such challenges, etc.

An International Conference on “Millennium Developmental Goals: The Role of Information and Communications and Other Appropriate Technologies” was held during 27 – 29, Dec 2009 at R.M.K. and R.M.D. Engineering Colleges in association with Tata Consultancy Services, Anna University-Chennai, IEEE - Computer Society, Madras Chapter and CSI - Chennai Chapter & Div. II on Software.

WIE events at VIT University

The “NETWORKING IN LINUX” workshop was held on 13th September 2009, during graVITas’09. A number of students from VIT University as well as other Universities and Engineering Colleges all over India had taken part in this workshop (69 Internal and 52 External). Mr. Veerapuram Varadhan, Senior Consultant, Novell was the guest speaker invited. The session went on for 5 hours. The workshop was very informative. It was of great use to the beginners and also the students having some basic knowledge about networking. The complete session was very interactive and was

a hands-on session. In the first part of the session the basics of networking and C programming were covered. The main topics covered through hands-on were Unix in Networking, IPC(Sockets, Pipes), Threading and RPC.

The “ADOBE PHOTOSHOP” workshop was held on 29th & 30th September 2009. A number of students had taken part in this workshop. Nagarjuna Reddy Resu, a final year MS (Software Engineering) student had taken the session. The session went on for 2 and a half hours on both the days. The workshop was very informative. It was of great use to the

beginners. The complete session was very interactive and was a hands-on session. Students could learn to manipulate with the images. It taught them to play with the images and change them the way they want.

The “MOVIE MAKING” workshop was held on 30th October 2009. A number of students had taken part in this workshop. Rachit Gupta, a final year BTech, CSE student had taken the session. The session went on for 2 hours. The workshop was very informative. The complete session was very interactive and was a hands-on session. Students could learn to make a movie with the video and audio files provided to them.

Congratulations to Dr. R.M. Suresh



Dr. R. M. Suresh, Vice-Principal & Head, CSE, RMD College of Engineering, Chennai receives the best teacher award from Prof. N.R. Shetty, President, ISTE.

LINK congratulates Dr. R.M. Suresh, Professor & Head, Computer Science & Engineering and Vice-Principal, RMD Engineering College for receiving the national award for the Best Engineering College Teacher Award – Anna University National Award for the year 2009 at a ISTE function held at NIT Surathkal on 19th Dec 2009. An enthusiast in Open Source, he has organized a no. of events in OSS and also in emerging areas in Computer Science.

Visit our Website
www.ewh.ieee.org/r10/madras

Member Achievements



LINK is pleased to report that Dr. Rajkumar Kannan (Mem. No: 90284125), Associate Professor and Chair, Department of Computer Science, Bishop Heber College (Autonomous), Trichy has Visited National Institute of Informatics, Tokyo Japan in June 2009 for a research cooperation in the area of Semantic Digital Libraries and his visit was funded by Govt. of Japan and attended the Apache Software Foundation annual activities and events at Oakland, CA, USA during October-Nov 2009 which was funded by Apache-USA.



IEEE MAS LINK SRA Systems

Info Contest

H.R. Mohan

Chairman, IEEE CS, Madras Chapter
Editor, IEEE MAS LINK
AVP (Systems), The Hindu, Chennai

This is the 21st edition in the series of Info Contest – a regular column in our newsletter IEEE MAS LINK. The content mix now includes some General Knowledge questions in addition to IT related. This, we believe would provide an overall exposure and also facilitate more participation.

TWO lucky winners who answer to maximum no. of questions and early (selected by lot if multiple entries qualify) will receive an award of Rs. 500/= each, sponsored by SRA Systems.

Members are encouraged to participate in the contest and win prizes. Answers are to be sent by EMAIL ONLY. Please follow the guidelines provided at the end of the questions.

Info Contest – 0912

This contest has 25 questions in five sections — A, B, C, D & E — each having five questions.

A. In the following acronyms/ abbreviations “D” stands for what.

- A1. CD
- A2. CAD
- A3. DAC
- A4. DDOS
- A5. EBCDIC

B. Provide / Select the answer.

- B1. Which type of graphics cannot scale up to an arbitrary resolution? Raster / Vector
- B2. Microsoft whose current headquarters is in Redmond was initially founded in. New Mexico / Bellevue
- B3. Internet is based on which switching technique? Packet / Circuit
- B4. Name the systems programming language recently released by Google
- B5. What does this emoticon indicate: 8-)

C. Provide the answer / Fill in the blanks.

- C1. iGuide and _____ are the two potential name candidates for an Apple tablet.
- C2. Googplex is a number. It is a 1 followed by _____ zeros
- C3. _____ is Oxford Dictionary’s Word of the Year 2009
- C4. “It’s Y!OU” is the ad campaign of _____
- C5. _____ is mostly used to create most semiconductors commercially.

D. Select the correct answer.

- D1. Recently, the world’s fastest train service covering a distance of 1,068 kms at the average speed of 350 kms was launched in China / Germany
- D2. The name of the world’s tallest building. Burj Dubai / Burj Khalifa
- D3. The car “Beetles” is from Chevrolet / Volkswagen
- D4. Whose tagline is the “Banker to every Indian”. SBI / PNB
- D5. Kumbh Mela is held in rotation once in 12 years in four locations. The three are Haridwar, Nashik, Allahabad. The fourth one is Ujjain / Benaras (Kasi)

E. Fill in the blanks / Provide the answer.

- E1. “Make Every Day Exciting” is the tagline of the car maker _____
- E2. “World Day for Water” is observed on _____
- E3. The Central Bank of India is _____
- E4. When a discount of 12% is offered on the sale price fixed at 25% over the cost price, the actual profit will be _____ (in %)
- E5. _____ is the author of the book “The Argumentative Indian”

Guidelines to submit the answers to the Info Contest by email.

In the Subject,

- Write the Contest No. (Info Contest – 1001) in the subject line.

In the body of the mail,

- In the first line, write the contest No: Info Contest – 1001
- In the second line, write your membership no.

- In the third line, write your email id.
- In the fourth line, write your name.
- In the fifth line, write your college / organization name
- In the sixth line, write the answers to the five questions of Section A, separated by comma.
- In the seventh line, write the answers to the five questions of Section B, separated by comma.
- In the eighth line, write the answers to the five questions of Section C, separated by comma.
- In the ninth line, write the answers to the five questions of Section D, separated by comma.
- In the tenth line, write the answers to the five questions of Section E, separated by comma.
- As the evaluation of the entries is automated, pl. ensure the above guidelines are followed.

Email the answers to:

hrmohan.infocontest@gmail.com

The last date to receive the answers by email is 5th Feb 2010.

Info Contest – 0912 Answers & Winners

Answers:

Line, Link, Lempel, Large, Language Michael Jackson, HP, Amazon.com, Numeric, Puru Pratap Singh
Back Rub, Rivers, Pranav Mistry, Finland, Forward Slashes
Ireland, US Dollar, Chennai, Omni, Hero Honda
FedEx, Ping Pong, True, Copenhagen, 12

Winners:



S. Subramanian
Birla Institute of Technology and Science,
Mem No.: 90533732
Email: subramanian.s88@gmail.com



Vivek Muralidharan
Sri Muthukumaran Institute of Technology
Mem No : 90621990
Email: smartvivek.mm@gmail.com

Both the above will be awarded a prize of Rs. 500/= each. LINK acknowledges with thanks the sponsorship of the awards by SRA Systems (www.srasystems.com).

CONSEG-09: International Conference on Software Engineering



International Conference on Software Engineering-09 (CONSEG-09) organized by CSI, Division II (Software) and Chennai Chapter and supported by IEEE Computer Society, Madras Chapter, Software Process Improvement Network (SPIN), Chennai Chapter and Bangalore SPIN (BSPIN) was held in Chennai from December 17th to 19th, 2009. About 150 people participated in the event.

There were two pre-conference tutorials conducted on December 17th. These were designed to cover the entire spectrum of Software Engineering Life Cycle activities. The first tutorial, “*Eliciting Architecturally Significant Requirements*”, presented by Prof Mathew Bass of Carnegie Mellon University, covered the activities of requirements gathering and architecture. The second tutorial, “*End-to-end SDLC*” with Agile Methodologies, presented by Baiju Joseph of Yahoo! and Srinivasan Desikan of HP covered how the seemingly different activities of development and testing get blended and shaped and made more effective by the use of Agile Methodologies.

The conference was inaugurated by Mr. S. Mahalingam, Chief Financial Officer, TCS on 18th Dec. In his inaugural address, Mr. Mahalingam stressed the changing façade of software industry and the increasing importance of software engineering in the new era of putting more business focus. He also recounted Prof. Mahabala’s contribution to the Indian IT industry. In his welcome address, Mr. H.R. Mohan, Chairman, Div II, CSI and IEEE CS stated that CONSEG is being hosted at Chennai after a gap of 12 years. Mr. Ananth Krishnan, Chairman, OC gave an overview of CONSEG-09 and it was followed by the programme highlights by Mr. Gopaldaswamy Ramesh, the Chairman, PC. Mr. S. Ramasamy, Chairman, CSI-Chennai while proposing the vote of thanks, thanked the sponsors, speakers, authors and the all who had supported the event.

The topics for keynote speeches covered

a broad range of Software Engineering. Prof. Bass’s talk covered “*Software Architecture as a Strategic Asset*”. The changing business paradigms were reflected by the talks “*What is not commonly known about SaaS*” (Software as a Service) by Venguswamy Ramaswamy of TCS and “*Cloud Computing and Hadoop*” by Chidambaran Kollengode of Yahoo Inc, Bangalore. Prof Gopal of Anna University traced back the tumultuous history of Software Engineering by his presentation “*Software Engineering – Forty Years and Wobbling*”.

A panel discussion on “*Developing Affordable Software Profitably*” was chaired



by Prof. C. R. Muthukrishnan, and the panel had representations from industry and academia comprising of Dr. Sashikant Albal of SSN School of Advanced Software Engineering, Mr. Chandrakumar Raman of HP (and President, SPIN, Chennai), Mr. Kishore Padmanabhan of TCS and Mr. N. Chandrasekhar of Ashok Leyland.

A highlight on the first day was a felicitation for Prof. H. N. Mahabala, doyen of Computer Science education and IT Industry in India for over four decades, who turned 75 in December 2009. Several of his old students and those closely associated with him in CSI and IIT including Mr. Mahalingam, Mr. Ananth

Krishnan and Mr. Kishore Padmanabhan of TCS, Mr. C. Mohan of IBM, USA, Mr. H. R. Mohan of The Hindu, Mr Gopaldaswamy Ramesh of IIIT-B, Madras and CSI – Prof. C. R. Muthukrishnan, Dr. Kamala Kirthivasan, Mr. S. Srinivasan, Major General. Balasubrahmaniam, Mr P. Unnikrishnan, Mr. G. Ramachandran and a number of others recounted fond memories of their association with Prof. Mahabala.

Fitting to his passion for education, Prof Mahabala initiated a lead discussion on “*Rethinking About Computer Science Curriculum – Long Overdue*” through a background paper published in CSIC Nov 09. On the second day of the conference, 19th Dec, we had a special session devoted entirely to Computer Science and Software Engineering education. The first keynote on “*Instructional Design for Scaling and Quality*”, presented by Prof. N. J. Rao of IIT, Bangalore addressed issues regarding principles of instructional design and evaluation methods. Prof. Mahabala then presented his views on what was needed to revamp CS education in India. This was followed by a presentation by Christer

Norstrom and Sasikumar Punnekkat from Malardalen University, Sweden about their experiments in “*Designing an Industrial Software Engineering Program*”, in collaboration with TCS. The session concluded with interactive discussion from the conference delegates. These discussions and the recommendations thereof will be summarized and published in a separate article later.

The keynote lectures on the second day included one by A. Kumaran of Microsoft Research who gave a talk “*Water, Water Everywhere: Data Driven Computational Linguistics*” on a topic of great importance to India. Dr Anders Wall of ABB, Sweden

highlighted the challenges of sustaining large systems in his talk “*Managing Sustainable Software Systems.*”

In addition to the keynote lectures, we also had sessions for contributed papers and a student paper. The Call for Papers received an overwhelming response. 130 papers were received from close to 20 countries. Out of these, eight papers were selected for presentation. The papers covered areas like

project management, requirements engineering, ontology, metrics, agile development, regression testing and test case mutation. The authors of the selected conference papers again represented Canada, France, China, Tunisia and India. There were presentations from TCS and Infosys on the current technology trends.

During the Valedictory session, the participants provided an excellent feedback on the quality of the presentations and the overall

organization of the conference. It was proposed to form an egroup to facilitate exchange of views and experience sharing in the area of software engineering. The conference proceedings, a select keynote talks and tutorial presentations are available at the conf. website at <http://www.csi-chennai.org/conseg09/>

Report by Gopalaswamy Ramesh, IITB and H.R. Mohan, Chair Div II, CSI & IEEE CS

How To Win Friends and Influence People

The principles recommended are:

1. Don't criticize, condemn or complain. Instead of condemning people, let's try to understand them, a lot more profitable and intriguing than criticism: and it breeds sympathy, tolerance and kindness.
2. Give honest and sincere appreciation. Be "heartily in your approbation and lavish in your praise and people will cherish your words and treasure them and repeat them over a lifetime-repeat them years after you had forgotten them."
3. Arouse in the other person an eager want. "Self expression is the dominant necessity of human nature. When we have a brilliant idea, instead of making others think it is our, let them stir the idea themselves, they will regard it as their own and they will like it, and maybe eat a couple helpings of it."
4. Become genuinely interested in other people. If you want others to like you, if you want to develop real friendships, if you want to help others, at the same time as you help yourself, keep this principle in mind.
5. Smile. Your smile is a messenger of your goodwill. Your smile brightens the lives of all who see it. To someone who has seen a dozen people frown, scowl or turn their faces away, your smile is like the sun breaking through the clouds.
6. Remember that a person's name is to that person the sweetest and most important sound in any language. The information we are imparting or the request we are making, takes on a special importance when we approach the situation with the name of the individual.
7. Be a good listener. Encourage others to talk about themselves. Remember that the people you are talking to are a hundred times more interested in themselves and their wants and problems

8. than they are in you and your problems.
8. Talk in terms of the other person's interest. Talking in terms of the other person's interest pays off for both parties.
9. Make the other person feel important - and do in sincerely. Talk to people about themselves and they will listen for hours
10. The only way to get the best of;an argument is to avoid it.
11. Show respect for the other person's opinions. Never say "you're wrong." Don't argue, instead use diplomacy.
12. If you are wrong, admit it quickly and emphatically. Remember the old proverb, "by fighting you never get enough, but by yielding, you get more than you expected."
13. Begin in a friendly way. Remember what Lincoln said: A drop of honey catches more flies than a gallon of gall."
14. Get the other person saying "yes,yes" immediately.
15. Let the other person do a great deal of talking.
16. Let the other person feel that the idea is his or hers.
17. Try honestly to see things from the other person's point of view. An increased tendency to think always in terms of the other person's point of view and see things from that person's angle as well as your own.-if you get only that one thing from this book, it may easily proved to be one of the stepping-stones of your career.
18. Be sympathetic with the other person's ideas and desires.
19. Appeal to their nobler motives. Make people feel that you consider them honest, upright and fair.
20. Dramatize your ideas.
21. Throw down a challenge. Every successful person wants a chance of self expression,

- the chance to prove one's worth.
22. Begin with praise and honest appreciation.
23. Call attention to peoples mistakes indirectly.
24. Talk about your own mistakes, before criticizing the other person.
25. Ask questions, instead of giving direct orders.
26. Let the other person save face.
27. Praise the slightest improvement and praise every improvement. Be "heartily in your approbation; and lavish in your praise."
28. Give the other person a fine reputation to live up to.
29. Use encouragement. Make the fault seem easy to correct.
30. Make the other person happy about doing the thing you suggest. Experience's of most people show that you are more likely to change attitudes this way.

Excerpts from the book "How To Win Friends and Influence People" by Dale Carnegie. The book is all about building relationships. With good relationships; personal and business success are easy.

ICAET-10: International Conference on Advances And Emerging Trends In Computing Technologies: 21 – 24, June 2010 at Chennai, India, Organised by School of Computer Science & Engineering, SRM University in association with University of Arkansas, Little Rock, USA, Div II & Div IV, Computer Society of India, IEEE Computer Society, Madras Chapter. Contact: Dr. S. Chellaiah, Conference Chair ICAET-10 at icaet10@srmuniv.ac.in OR Mr. H.R. Mohan, Chair, Div II at harmohan@gmail.com Website: <http://www.srmuniv.ac.in/events.php?page=icaet10>

The Dance of Molecules

K.S. Aishwaryaa, Kirthika.S,
Hema Chandrasekar

ABSTRACT:

The practice of medicine has seen an accelerated incorporation of technical innovations. Nanotechnology is a hybrid science, which manipulates atoms individually and places them in a pattern to produce a desired structure. The Nano particles seek to increase the effectiveness of cancer treatment while decreasing side effects. Prepared from a biocompatible, biodegradable polymer, the Nanoparticles protect a cancer drug from harsh conditions in the human body. They also help deliver drugs to the right location in the body, and allow for their release in a controlled manner to maintain an adequate drug dose for extended periods. In addition, modifying the surface of these Nanoparticles delivery systems can permit drugs to circulate in the blood longer, and can target specific tissues of the body. As the existing techniques are not up to our requirements, we would like to design a Nan device that would be effective in cancer prevention, early detection and diagnosis. This technique uses adoptive therapy, immune therapy and a lot. Thus detecting and treating the malignant tumors in an efficient and cost effective way.

INTRODUCTION:

What is cancer?

Cancer is the general name for over 100 medical conditions involving uncontrolled and dangerous cell growth. Scientists suggest that some cancer is caused by genetic factors, while other forms are caused by environmental conditions.

Treatments available and their hazards:

Treatment for cancer ranges from rounds of powerful chemicals to focused burst of radiation to complete surgical removal of the tumor and surrounding tissue. Each treatment type brings a certain level of risk and pain to the patient, but cancerous cells left untreated will almost inevitably choke off vital organs and circulation. Chemotherapy introduces strong medicines, which target fast-growing cells, but this also includes normal events such as hair growth and digestion. Radiation treatments use heat energy to literally burn off malignant cells, but healthy tissue is also damaged. Surgical removal can lead to a permanent recovery, but

undetected malignant cells may have already metastasized to other organs.

Curing cancer has been a major goal of medical researchers for decades, but development of new treatments takes time and money. Already there are many forms of cancer, which are no longer considered untreatable. Some cancers, such as leukemia (blood cancer), can actually stop growing as suddenly as they started. This is called remission, and is often seen as a tremendous blessing for patients who have fought their conditions for years. Science may yet find the root causes of all cancers and develop safer methods for shutting them down before they have a chance to grow or spread. A cell in the kidney, although it contains the same genetic information as a brain cell, performs a completely separate role. Cancer happens when a tiny part of the cell's mechanism goes wrong.

HAZARDS:

- Destroys red blood cells, causing anemia
- Destroys both the cancer-producing cells and the healthy, infection-fighting cells, decreasing the body's ability to fight off infection.
- A margin of healthy tissue is often resected to make sure all cancerous tissue is removed during surgery.
- Chemotherapy introduces strong medicines, which target fast-growing cells, but this also includes normal events such as hair growth and digestion.

NANOMEDICINE:

Of all the beneficiaries of this scientific revolution, the biological and medical sciences will reap many of the earliest fruits of this research. Biological molecules by virtue of their size may be classified as nanostructures. The interaction among the complex mechanisms of life may be seen as simply chemistry, or as specialized interactions between nanostructures. Molecular nanotechnology has been defined as the three-dimensional positional control of molecular structure to create materials and devices to molecular precision. The human body is comprised of molecules; hence the availability of molecular nanotechnology will permit dramatic progress in human medical services. More than just an extension of "molecular medicine," nanomedicine will employ molecular machine systems to address medical problems, and will use molecular knowledge to maintain and improve human health at the molecular scale. Nanomedicine will have extraordinary and far-

reaching implications for the medical profession, for the definition of disease, for the diagnosis and treatment of medical conditions including aging, and ultimately for the improvement and extension of natural human biological structure and function.

"Nanomedicine is the preservation and improvement of human health using molecular tools and molecular knowledge of the human body."

PROPOSED SYSTEM:

Prevent the disease:

As we know a person can develop malignant tumor when he is exposed to radiations from radioactive metals. Nanoparticles could be used to avoid these radiations by injecting them into our body thus preventing cancerous growth. A nanoparticle is a microscopic particle whose size is measured in nanometers (nm). It is defined as a particle with at least one dimension <200nm.

There are specific nano particles which avoid these radiations; these could be injected into the body of the scientists who are performing research with radioactive metals. This would be an effective preventive measure.

Treating the disease:

US Researchers Say Changing the Shape of Gold Nano Spheres Can Improve the Effectiveness of Non-Invasive Cancer Treatments.

PROOF:

A team of investigators at Rice University have also found that elongated nanostructures have a unique set of optical properties that could be useful in various cancer research applications.

Using our immune system:

An important aspect of dealing with cancer is supporting the immune system. After all, for most of your life the immune system has successfully dealt with cancer cells. It must become worn out, ineffective and unable to deal with the cancer cells before cancer takes hold and thrives. So it may be quite important to strengthen the immune system so that it can better fight cancer. Especially if you are getting medical treatments that wipe out the immune system, and make the body more acidic to boot.

- Our Nanodevice could be effective in cancer prevention, early detection and diagnosis.
- It will insert nano particles into each

patient's lymphocytes to make them capable of recognizing the tumor cells.

- "It gives the cells a new property that they've never had before".
- It tries to harness the body's built-in disease-fighting cells against cancerous tumors, an approach called immunotherapy.
- The body's immune system is designed to repel invaders, and cancer typically doesn't raise an alert because the proliferating cells within each tumor are the body's own.
- This Nanodevice detects the cancer sensitive cells and boosts their number, thus increasing the number of tumor fighting cells. This technique is called as "adoptive therapy".
- As the number of cancer sensitive cells increase they would destroy any

cancerous growth at its origin.

Advantages:

- "With the nanospheres we're using visible lasers, but most of the solid cancer is under the tissues and visible light doesn't go but a few millimeters deep.
- By using the nanorods we can tune them to react to the infrared lasers, which can penetrate the tumor without being absorbed by the tissues
- There will be no harm to the normal cells as no toxic drugs are being injected into the body.
- As no foreign organisms are injected to destroy the cancerous cells, they will not be further activated.
- Numbers of infection fighting cells are increased leading to a higher immunity

power throughout the body.

- It is a cost effective way.
- Fast growing cells like hair cells and digestive cells are not killed unlike the case of chemotherapy treatment.

Reference:

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- www.howstuffworks.com/nanotechnology.htm
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- www.cancer.gov

Infobits

10 Fool-proof predictions for the Internet in 2020

Network World offers 10 "surefire bets" about what the Internet will look like in 10 years. They include:

- As computer scientists work to improve the Internet's design, the global network is expected to change dramatically over the next 10 years. The Internet currently has about 1.7 billion users, but the U.S. National Science Foundation (NSF) expects the Internet will have nearly 5 billion users by 2020.
- The Internet also will be more geographically dispersed in 10 years, spreading to more developing regions.
- Ten years from now, the Internet will be a network of things, not computers. Today, the Internet has approximately 575 million host computers, but the NSF expects infrastructure sensors alone to surpass the number of host computers by several orders of magnitude.
- The Internet also will carry more content. Cisco estimates that global Internet traffic will increase to about 44 exabytes per month by 2012.
- In 2020, the Internet will be wireless. In the second quarter of 2009, the number of mobile subscribers hit 257 million, representing an 85 percent increase year-

over year for high-speed data networking technologies. By 2014, approximately 2.5 billion people will subscribe to some form of mobile broadband, according to Informa.

- More services will use cloud computing. The NSF is encouraging researchers to develop better ways to map users and information in a cloud-computing infrastructure.
- Ten years from now, the Internet also will be greener. Future Internet architecture needs to be more energy efficient, as the amount of energy used by the Internet doubled between 2000 and 2006, according to the Lawrence Berkeley National Laboratory.
- Network management will be more automated in 2020. The NSF is researching new network management tools for the future Internet, including automated reboot systems, self-diagnosis protocols, finer-grained data collection, and better event tracking.
- The Internet will not rely on constant connectivity. Researchers are studying communication techniques that can handle delays or easily forward information to different users.
- The Internet will attract more hackers, and computer scientists will work to make it more secure.

Read the full article at: <http://>

www.networkworld.com/news/2010/010410-outlook-vision-predictions.html

The Year in Robotics

In 2009, researchers developed new robots that can perform a variety of tasks, including medical rehabilitation, military operations, and mimicking social skills. Many researchers think giving robots social skills will help them assist people in homes, schools, and hospitals. A Carnegie Mellon University group created a robot that knows when to speak based on eye contact, while University of California researchers built a machine-learning program that allows a robotic head to develop more accurate facial expressions. A group of Swiss inventors created generations of robots that evolved to deceive each other when exposed to limited resources. University of Calgary researchers modified a Roomba to move away from a user when it detects high stress levels. Many robots were developed to help improve rehabilitation by monitoring and adjusting a patient's movement. This year also saw great development in robotic grasping technology. Columbia University researchers were able to make more efficient robotic hands by limiting their dexterity to be similar to that of a human hand. The U.S. Defense Advanced Research Projects Agency developed the Chembot, which can squeeze under doors and other small openings.

Read the full article at: <http://www.technologyreview.com/computing/24231/?a=f>

FDP on Graphical Systems Design Concepts held at AVIT



IEEE Madras Section organized a Faculty Development Program on Graphical Systems Design Concepts using LABVIEW was held during December 18-19, 2009 at Aarupadai Veedu Institute of Technology, Paiyanoor.

Dr. S Salivahanan, Chairman, IEEE Madras Section and Principal SSN College of Engineering inaugurated the program. He stressed upon various activities of IEEE Madras Section for the faculty members of Engineering Colleges.

Dr. N R Alamelu, Principal, AVIT delivered the Presidential address. Mr. D Vijendra Babu, Head, ECE Department, AVIT welcomed the gathering. Mr. P Subramanian, Assistant Professor, ECE Department, AVIT delivered the vote of thanks.

Prof K Jayaraman, School of Electrical Sciences, VIT was the resource person for the first day. Professor Jayaraman elaborated on the following topics in four sessions.

- Evolving Technologies and its impact of

Engineering & Technology teaching and learning process

- Software Defined Radio
- Wireless Networks and Mobile Computing
- Graphical Systems Design and its impact on AAA & DDD
- DSP in Communication Engineering

The second day was devoted for on hands on training in LABVIEW, handled by Mr. Visweswaran of National Instruments. The training included application of LABVIEW in various fields including Electrical, Electronics, Instrumentation and Communication.

The program was attended by 20 faculty members.

National Workshop on Next Generation Wireless Technologies - Long Term Evolution



Madras Institute of Technology, Anna University Campus in association with the Institute of Electronics and Electrical Engineers (IEEE), Madras Section successfully organized a two day National workshop on Next Generation Wireless Technologies-Long Term Evolution on 4th and 5th of Dec 2009. The workshop was held at the MIT Campus at Chromepet, Chennai.

The inaugural function on 4th Dec was presided by Dr. P. Mannar Jawahar, Vice Chancellor, Anna University who delivered the presidential address. The conf. was formally inaugurated by Dr. K. Girdhar, Professor, IIT-M.

Dr. K. Bhoopathy Bagan, the Head of the Department of Electronics, MIT, welcomed the gathering. Dr. A. Joseph Stanley, the Dean, MIT delivered a special address at the occasion. Dr. T. Thyagarajan, the Head of the Department of E&I, MIT and Secretary, IEEE Madras Section provided a brief outline about IEEE activities.

Dr. K. Girdhar talked about the two

IMT-A technologies and the Indian user's perspective towards the development of NGWT.

Dr. M. S. Sricharan, the Consultant, Wipro Technologies, gave an introduction to the 3G Partnership Project (3GPP) and the future roadmap of the 3GPP standards comprising of LTE and LTE-A.

Dr. V. Vaidehi, the Professor in Electronics, MIT and Coordinator of the workshop, dealt with release 99 of the 3GPP standards i.e. UMTS (Universal Mobile Telecommunications Systems).

Mrs. P.T. V. Bhuvaneshwari, Senior Lecturer in Electronics, MIT, gave a short introduction to Wireless Sensor Networks.

Mr. V. V. Pathy, the Business Development Manager of Agilent Technologies provided the LTE context and briefed the System architecture evolution.

Dr. S. Srikanth, AU-KBC Research

Centre, MIT, explained how OFDMA, MIMO and SC-FDMA form the key radio layer technologies for 4G.

Dr. J. Jackson Juliet Roy, Specialist (Wireless Domain) at Tata Elxsi Limited, handled an interactive session on LTE Network and Protocol Architecture.

Mr. Chethan Kumar, Project Leader (LTE UE stack development) at L&T Infotech, spoke about the LTE network architecture, call search and selection, network attach, call setup and UL/DL data transfer.

Finally, Mr. A. Ganesan, DGM (Retd.) of BSNL and Chairman of IETE, presented a strong statistical comparison between LTE and WiMAX.

On 5th Dec, the Valedictory function was dignified by Dr. S. Shanmugavel, Registrar of Anna University, Chennai, who delivered the presidential address followed by the valedictory address by Mr. Shashidhara Dongre, L&T Infotech.

NCISE-10: 2nd National Conference on Information and Software Engineering:

26-27, February 2010 at Chennai. Organized by Department of Information Technology, Aarupadai Veedu Institute of Technology, Vinayaka Missions University In association with Div II (Software) - Computer Society of India, IEEE Computer Society - Madras Chapter, IEEE Computer Society Branch Chapter-AVIT. Contact: Dr. A. Anthony Iruhdhayaraj, Program Chair - NCISE -10 at ncise2010@gmail.com OR Mr. H.R. Mohan, Chair, Div II at hrmohan@gmail.com Website: www.avit.ac.in

NCVESCO - 2010

**3rd National Conference on
VLSI, Embedded Systems, Image & Signal Processing
and Communication Technologies**

2-3, April 2010, Chennai

Organized by

Dept. of Electronics and Communication Engineering
Aarupadai Veedu Institute of Technology
Vinayaka Missions University

In association with

IEEE Communications Society, Madras Section
IEEE Computer Society, Madras Chapter
Computer Society of India, Div II & IV
WIE Affinity Group, IEEE Madras Section
IETE, Chennai Centre
Broadcast Engineering Society (India), Chennai Chapter

CALL FOR PAPERS AND PARTICIPATION

Programme Highlights: The two days National Conference will have three main tracks for paper presentation and special lectures by eminent persons from industries and academia on themes such as: VLSI & Embedded Systems; Image & Signal Processing and Communication Technologies and Systems

Call for Papers: Papers are invited relating to the above theme topics.

Important Dates: Paper submission: Feb 05, 2010; Intimation of acceptance: Mar 05, 2010; Registration: Mar 12, 2010; Conference Dates: Apr 2-3, 2010

Proceedings: All the accepted and registered papers will be included in the Conference proceedings with ISBN Number. At least one author of each accepted paper must register for the conference.

Registration Fee: To be paid as Demand draft in favour of "The Principal, AVIT" and payable at Chennai

Category	Registration Fee for Non Members in Rs.	Registration fee for Professional Society Members * in Rs.
Academicians	1000.00	800.00
PG Students/Research Scholars **	750.00	500.00
Industry Participants	1500.00	1000.00

* Professional society members to produce copy of professional society membership card / Membership certificate along with registration form for registering at the reduced fee.

** PG Students and Research Scholars have to send photo copies of ID card / Bonafide certificate along with registration form

Address for Correspondence: Mr. R. Vijaya Arjunan, Organizing Secretary - NCVESCO 2010, Dept. of ECE, Aarupadai Veedu Institute of Technology, Rajiv Gandhi Salai, Paiyanoor – 603104.

Mobile: +91 99433 68609 :: Phone : 044 27443804
Email : ncvescom2010@gmail.com :: Website : www.avit.ac.in

Faculty Development Program

On

NATURAL COMPUTATION IN ENGINEERING

6 - 7, February 2010

Venue

Department of EEE
Velammal Engineering College, Chennai.

Course Coordinators

Dr. N. Kumarappan, Prof. of EE
Annamalai University

Dr. P Chidambaram, Prof. of EEE
Velammal Engineering College

Dr. Christopher A Rajan,
Asso. Prof., Dept. of EEE
Pondyerry Engineering College

Course Content

Neural Computation
Evolutionary Computation
Swarm Intelligence
Artificial Immune Systems
Ant Colony Search
Fuzzy Logic

Demo will be presented on few techniques

For details contact

IEEE Madras Section Office
Phone: 044 – 2442 3939
Mobile: 93823 28776
Email: ieeemas@gmail.com

**National Level Technical Symposium on
Signal processing, Communication & Networking**

19-20 February 2010

Organized by

IEEE Student Branch

&

Dept. of ECE

K. S. Rangasamy College of Technology

Tiruchengode, Namakkal Dt.

Supported by

IEEE Madras Section

CAFACE

(Creative Association For Adducing Communication Engineers)

For details please contact

Dr. N. Santhiyakumari, Mobile: 9994053679 OR

Prof. T. D. Senthilkumar, Mobile: 9942761318

Email: ieeestudent@ksrct.ac.in

Website: www.caface.in

Short term FREE course on

**“Leveraging Technology for Effective Teaching
in the Classroom & Beyond”
for Teachers in the IT Area.**

With the advent of Internet technologies and the growing popularity and effectiveness of “Technology Enabled Teaching & Assessments”, the Department of Information Technology, Government of India, in association with the International Institute of Information Technology, Bangalore (IIITB), has created a unique short term program aimed at facilitating teachers from select institutions, to adopt state-of-art pedagogical methods, leverage cutting-edge technologies as well as to enable them to deliver effective teaching in the classroom and beyond the confines of the classroom. The program is specifically designed to create a multiplier effect in your institution through high-quality teaching and delivery of outcome-based education.

Program Dates: Batch 1: Feb 1 to June 4, 2010 and Batch 2: Mar 1 to July 2, 2010.

These courses are organized under the project “Train the Trainer” funded by the Department of Information Technology, Government of India.

For details of the programme & application forms, pl. visit <http://www.iiitb.ac.in/eliteiiitb/index.htm>

For clarifications/questions, you can contact the programme coordinator, Prof. N J Rao: njraoisc@gmail.com. For enrolment related questions, please contact Jayanth Narayanan at 9845990910 or jayanth@radixlearning.com.

Forthcoming Events

SPICON-2010: Operational Excellence for Sustenance and Growth. 22-23, January 2010 at Chennai. Organized by Software process Improvement Network - Chennai Chapter and supported by CSI Div II & Chennai Chapter, IEEE Computer Society - Madras Chapter. Contact: admin@spinchennai.org OR Mr. H.R. Mohan, Chair, Div II at harmohan@gmail.com Website: www.spinchennai.org

LIIT-2010: National Conference on Latest Issues in Information Technology - 2010: 1st March 2010 at RMD Engineering College, Chennai. Organized by Dept. of Information Technology, RMD Engineering College and supported by CSI Div II & Chennai Chapter, IEEE Computer Society - Madras Chapter. Contact: organizing Secretary at rmdliit2010@gmail.com Phone: (044) 27925910 OR Mr. H.R. Mohan, Chair, Div II at harmohan@gmail.com. Web site: <http://www.rmd.ac.in>

NCVESCO-10: 3rd National Conference on VLSI, Embedded Systems, Signal Processing and Communication Technologies: 2 – 3, April 2010 at Chennai, Organized by Department of Electronics & Communications Engg, Aarupadai Veedu Institute of Technology, Vinayaka Missions University and supported by Div II (Software) & Div IV (Communications) - Computer Society of India, IEEE Computer Society - Madras Chapter. Contact: Mr. R. Vijaya Arjunan, Organizing Secretary – NCVESCO-10 at ncvescom2010@gmail.com Ph: 044-27443802 / +91 9943368609 OR Mr. H.R. Mohan, Chair, Div II at harmohan@gmail.com Website: www.avit.ac.in

Visit our Website

www.ewh.ieee.org/r10/madras

Posted On : 25th January 2010

Posted at: Egmore RMS (Patrika)

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