



## Message from Chairman



**Dear Members,**

Greetings from IEEE INDIA COUNCIL. During the month we have initiated the following activities which have been long awaited. I would personally be grateful if the members from IEEE participate in these activities whole heartedly.

IEEE All India Student Congress 2012 (AISC 2012) in your section during September 28th-- 30th 2012 at REVA Institute of Technology and Management, Bangalore. A separate web site has been created for registration: [aisc.ieeebangalore.org](http://aisc.ieeebangalore.org).

The First IEEE International Symposium on Cost-Effective Museum Exhibits in Engineering and Applied Science is an international symposium on the creation, development, implementation and dissemination of museum exhibits on engineering, computing, applied science and technology. These exhibits are targeted for audiences of ages 8 to 18. The Symposium will concentrate on development of museum exhibits that, in addition to their intrinsic intellectual and educational value, are modular, replicable, transportable and affordable. The Symposium is targeted for:

- Educators in engineering, computing, applied science and technology who are interested in developing cost-effective museum exhibits and exposing students to the museum experience.
- Directors, curators, and staff of science and technology museums.
- IEEE volunteers interested in working with local museums on the development and implementation of cost-effective museum exhibits.

The Symposium will be held during **30 November to 2 December 2012** at the B.M. Birla Science Centre in Hyderabad, India. For Further details, visit <http://sites.ieee.org/exhibits2012/> or Contact: [exhibits2012@ieee.org](mailto:exhibits2012@ieee.org)

IEEE INDIA COUNCIL long awaited M V Chauhan All India Student Paper Contest 2012 .OPEN TO: - **STUDENT MEMBERS OF IEEE on ANY SUBJECT IN THE AREA OF INTEREST TO IEEE** .LAST DATE (Abstract): - Saturday, 25th August 2012, Full Paper: Tuesday, 30th September, 2012. Further details can be found on IEEE India Council website.

We would like to invite you to visit our IEEE Region 10 Facebook to stay up to date with our latest news, announcements, interesting articles and pictures. Please "Like" our Region 10 Facebook at: < <http://www.facebook.com/pages/IEEE-Region-10/182557331810632?ref=hl#!/pages/IEEE-Region-10/182557331810632> >.

Dr. Ram Gopal Gupta

General Chair, ICTEE 2012

Chair, IEEE Education Society Chapter, India

# IT in July 2012

Prof. S. Sadagopan



## General

- Higgs Boson "God particle" found by CERN researchers on July 4, 2012
- Glorious start to London Olympics on July 27, 2012
- Over 30 Indians killed in Nepal bus accident on July 15, 2012
- Maruti Suzuki plant workers strike turns violent leading to the brutal killing of HR Manager on July 18, 2012
- Assam violence during July 20-25 rocks the country
- Tamil Nadu express fire on 29th July 2012 night kills nearly 50
- Anna Hazare and others fast starts on July 30, 2012
- Electricity grid failure affects half of India on 30th & 31st July 2012

## Products

- **Microsoft Windows 8** to debut on October 26, 2012
- **Penguin** launches eBooks in India
- Flurry of **Tablet** launches in India in July 2012; Alphabetics & Lenovo for example
- **Google Nexus** Tablet goes on sale on July 14, 2012
- **Nokia Lumia** available for \$ 49.99 from July 15, 2012
- **Microsoft** launches **Office 15** Customer Preview (actual product in early 2013) on July 16, 2012
- **Apple** launched OS X Mountain Lion on July 25, 2012 (\$ 19.99)
- **Microsoft** launches **Outlook.com** on July 31, 2012 (Hotmail becomes history)!

## Markets

- **TCS & Infosys** results on the same day on July 12, 2012; Infosys lowers guidance, while TCS does not
- **HDFC Bank** market capitalization goes past that of State Bank of India in July 2012
- **Samsung** profits soar to USD 5.9 billion for April – June 2012 quarter
- Apple had \$ 35 billion revenue and \$ 8.2 billion profit, though analysts expected higher profit!
- **SAP** posts "best ever" second quarter results on July 12, 2012
- **Microsoft** posts its first ever quarterly loss in 26 years on July 20, 2012
- **Dell** acquires applications monitoring software company **Quest** for over \$ 2 billion on July 1, 2012
- **Intel** to invests more than \$ 4 billion in the Dutch chip manufacturing gear company **ASML** on July 9, 2012
- **Microsoft** buys multi-touch displays and "wall solutions" company **Perceptive Pixel** on July 9, 2012
- **VMware** acquires network virtualization company **Nicira** for \$ 1.2 billion on July 23, 2012
- **Apple** buys fingerprint authentication company **AuthenTec** for \$ 336 million on July 26, 2012
- **Oracle** acquires network virtualization company **Xsigo** on July 30, 2012

## Indian IT companies

- InfoSys, Wipro, HCL in Top 100 outsourcing companies as per 2012 IAOP (Int'l Association of Outsourcing Professionals) Report (July 2012)
- HCL wins big Citi BPO contract
- Mindtree profits double in Q1 2012

## MNC Companies in India

- Facebook launches App Center in India
- Carl Zeiss sets up R & D facility in Bangalore in July 2012
- Accenture to hire 7,00 from Indian campuses in 2012-13

## People

- Pranab Mukherjee becomes the 14th Indian President on July 22, 2012
- Yahoo gets a new CEO in Marissa Meyer (Google employee 20) on July 18, 2012
- Ex Intel CTO Pat Gelsinger becomes the new vmWare CEO on July 17, 2012
- Steven Covey (author of "7 Habits of highly successful people") died on July 16, 2012

## Applications

- Union Bank starts 100 talking ATM's to help visually impaired

## Some interesting numbers

- Apple sold 26 million phones, 17 million iPads, 7 million iPods and 4 million Mac computers in April - June 2012 quarter
- London Olympics has USD 14.6 billion budget, 302 gold medals, 10,490 athletes from 205 countries
- On July 31, 2012 Sensex (BSE Stock Market Index) at 17,004; Rupee:Dollar at 55.65; and, Foreign Exchange reserves at USD 297 billion (RBI Bulletin)
- Indian telecom subscribers touch 965 million (934 wireless and 31 million wire-line subscribers) on June 30, 2012 (TRAI Press Release August 3, 2012)

## IEEE Region 10 Blog Tweet and Video Competition 2012

### About the Competition

**History:** In 2010, IEEE GOLD Bangalore along funding from R10 MD initiative started a unique contest which tried to capture the might of IEEE on web. Here a participant was supposed to write a blog post on IEEE and tweet about it. A winner was chosen on the reach of his blog & tweets.

**Now:** R10 SAC has taken this initiative as part of its activities. This has been rechristened as IEEE Blog, Tweet & Video competition. Here a participant can submit his entry as a blog, video or a tweet and winners will be decided according to predefined rules.

#### Contest Objective:

Engage and Encourage IEEE members to share their personal experience/story with IEEE and how it helped him/her in their career and life. The blog will motivate the junior IEEE volunteers

#### Important Competition Dates:

ACTIVITY	DATES
1. Invitation for the entries	August 20th, 2012
2. Close of competition	September 20th, 2012
3. Announcement of Results	October 5th , 2012

#### Eligibility:

Participant has to compete as individually. Individual must be a standing IEEE student member or a graduate student member in Region 10 at the time their entry is submitted.

#### How to Register:

1. Contestant should be a standing **IEEE Student member** or a **Graduate Student member**
2. Log on to <http://btw11.ieeeblogandtweet.com/>
3. For entry submission <http://btw11.ieeeblogandtweet.com/entry-submission/>
4. If it is a blog, then enter the article and submit.
5. If it is a video, then enter the you tube link and submit.
6. Rules for IEEE Blog, Tweet and Video Competition: <http://btw11.ieeeblogandtweet.com/rules/>
7. For queries <http://btw11.ieeeblogandtweet.com/contact-us/>

#### Judging Criteria:

All the submitted posts will be pre-screened by the committee to ensure compliance with the official rules. Subsequently the posts will be judged to determine the winner



**Contest Prize:**

- 1. Winner of the Video Competition: \$400
- 2. Winner of the best Blog: \$300
- 3. Winner of Tweet Competition: \$300
- 4. IEEE T shirt / Merchandise to top 10

**Final Decision:**

IEEE Region 10 reserves the right to accept or to reject any or all submissions that do not meet the requirements for participation and/or competition.

The decision of the IEEE R10 Blog Tweet and Video competition judging committee will be final and no appeal against the decision will be considered.

**Agreement to Official Rules**

By participating in the contest, participants agree to abide by the rules and conditions as established above, which can be amended or modified at any time by the IEEE Region 10 Director if necessary.

**Contest Organizing Committee:**

IEEE R10 Blog, Tweet and Video Competition Lead:Syeda Synnia Tanveer

Competition Website administrator: Vishwas Jois

Competition Guide: Srikanta Patanjali

Publicity Committee:

**For R10 (West)**

**Srilanka:**

Kasun Chamika Sirimanna  
Omindu Rathnaweera

**For R10 (South - East)**

Aryo MS (R10 sub - RSR South - East)

**India:**

Atul A Pillai  
Nivas Ravichandran  
Akshay

**Pakistan:**

Daniyal Nasir  
Hassaan Idrees

**For R10 (North - East)**

Hui Zhang (R10 sub - RSR North - East)

**RULES FOR IEEE REGION 10 BLOG, TWEET AND VIDEO COMPETITION 2012**

**Rules for Blog Competition:**

- 1. Contestant should be a standing IEEE student member or a graduate student member
- 2. Blog must fall in a clear category
- 3. The blog post should be properly formatted
- 4. Useof images and blog consistency will be considered

**Blog Formatting Requirements**

- 1. The font should be Arial with size 10.
- 2. Margins to be set at 1” from each top, bottom, left and right
- 3. Use of Headers and Sub - headers, lists, capital letters, punctuations, and White spaces should be maintained where required
- 4. Drop the italics where required
- 5. Set an appropriate background color

**Blog Content Requirements**

- 1. The content should be original
- 2. The content should be focused to share the success story as to how IEEE has helped/assisted in molding

yourself to a better engineer/professional.

3. The story should be so presented that it conveys the steps/checkpoints followed by the narrator.

### **Blog Judging Criteria**

All the submitted posts will be pre - screened by the committee to ensure compliance with the official rules. Subsequently the posts will be judged to determine the winners.

### **Rules for tweet competition**

1. Don't spam
2. Follow style rules
3. Stick to 140 characters
4. Follow the syntax limitations
5. Every Tweet should start with the Hash tag "#IEEEER10BTVC2012"
6. Must follow the tweet Guidelines provided by twitter on the following link  
<https://support.twitter.com/articles/68877-guidelines-for-contests-on-twitter>

### **Rules for video Competition**

1. The video must be the original work of the Entrant
2. The video must be between 7 following formats: MPEG, AVI, WMV or QuickTime/MOV
3. The file size must be no larger than - 1 GB
4. The video may not have won previous awards
5. The video may not have been published previously
6. The video must not infringe upon the rights of any third party, including, without limitation, copyright, trademark, and rights of publicity and/or privacy
7. The video must be suitable for publication and may not be violent, immoral, offensive, illegal, pornographic, obscene, indecent or similarly inappropriate
8. The video may not contain any content that is or may be perceived to be defamatory or that represents the Entities in a negative way or in any manner not consistent with Entities' brand and/or reputation as deemed solely by Sponsor
9. The video may not contain any mention, discussion, logo, trademark, service mark, storefront, trade dress, mascot, photograph, or other image of any business or company. The video may not mention property names or physically identify a property by filming their front sign or some other unique feature or distinguishable architecture
10. The video may not copy, incorporate, or include music or video unless the Entrant is the lawful copyright owner thereof
11. The video may not include the likenesses of any identifiable persons other than the Entrant, unless written permission is obtained by the Entrant
12. The video cannot be dangerous or unsafe to make or produce, or include activities that are dangerous, unsafe, or present unreasonable risk of harm to person or property, or suggest or imply to any person to undertake any dangerous, unsafe or unduly risky activity as deemed solely by Sponsors
13. The video may not in any other way violate applicable laws and regulations. Any video in violation of any of the above requirements and restrictions will be deemed void. By submitting a video in the Competition, each Entrant represents and warrants that these requirements have been met. Failure to satisfy these requirements may result in ineligibility with respect to all videos submitted by or on behalf of that Entrant.

**IEEE Education Society President, Dr. Rob Reilly  
launches  
student chapter of Amrita University, Amritapuri camp July 18, 2012**

Dr. Rob Reilly, President, IEEE Education Society (EdSoc) launched an IEEE EdSoc student chapter at Amrita University, Amritapuri campus, Kollam, Kerala on 18th July, 2012. This launch coincided with an IEEE Symposium on Education, Technology and Entrepreneurship (ISEE) 2012, organized by the IEEE student branch of the university. Dr. Reilly also inaugurated an IEEE Robotics and Automation Society (RAS) chapter under the IEEE student branch. Other distinguished speakers at the launch included Mr. Satish Babu, Chair, IEEE Kerala section and President of Computer Society of India (CSI); Dr. Balakrishnan Shankar, Associate Dean, AMRITA and Mr. Ramesh N Nair, student representative of IEEE Kerala section, who spoke on "Higher Studies Abroad".

320 students from premier 30 colleges in Kerala with active IEEE student branches participated in the symposium, which was organized by Prof. Rajesh Kannan, AMRITA IEEE student branch counselor. The symposium was enriched by two technical workshops on 'Hardware Description Language' and 'Data Converters' and a seminar on entrepreneurship, addressed by 3 young entrepreneurs from Kerala including Mr. Nelvin Joseph, Artin Dynamics, an entrepreneur in the Artificial Intelligence & Green Technology space & Mr. Deepak Ravindran of Innoz, a winner of MIT Technology Review India's outstanding innovators Under 35, 2011 award. This IEEE Student branch was awarded Outstanding Student Branch Award for 2011 by the IEEE Kerala Section.

**Raghu Raman**  
**IEEE Education Society, India Chapter**  
[raghu@amrita.edu](mailto:raghu@amrita.edu)

## Editor's Message

### **Dear Members,**

Hope you are receiving and reading newsletter regularly. IEEE activities in India have been increased significantly in past few months, which is evident from increase of conferences, seminars, technical talk etc. Not all the activities are getting reported in the newsletter or IEEE HQ as well. It is important to make reporting to IEEE regularly using proper reporting tool/ format, else IEEE region 10 and HQ would remain unaware about our activities. In fact, many society chapters getting declared inactive despite being active due to non-reporting of their activities.



As you may be aware, IEEE has opened its full-fledged office at India at Bangalore. I happen to visit IEEE office recently at World Trade Centre, Bangalore and also met IEEE India director Mr Harish Mysore and people from IEEE HQ who visited India office recently. As per information gathered from them, IEEE India office shall handle lot of financial transactions like section and chapter rebates for Indian sections and chapters now onwards. A round the clock call centre also being planned to function in near future, which will help all IEEE members in India with their queries anytime. I think this will help in increasing and retaining membership of IEEE in India.

There are lot of announcements from Region and HQ pouring in for last few days. Please keep watch on that, may be something very useful to you be there in one of the announcements. IEEE R10 is there on facebook too now.

As always, your suggestions and feedback shall be greatly appreciated.

Regards

**Hitesh Mehta**  
**Editor**

## **IEEE INDIA COUNCIL**

### **M V Chauhan All India Student Paper Contest 2012**

Open To : - Student Members Of IEEE  
Topic : - Any Subject In The Area Of Interest To IEEE  
Last Date (Abstract): - Saturday, 25th August, 2012  
Full Paper: Tuesday, 30<sup>th</sup> September, 2012 .  
Prizes : - FIRST : Rs. 6000  
Second : Rs. 4000  
Third : Rs. 3000

First author of the top three papers will be invited for Presentation On the date and at the Place to be announced Later.

#### **Rules And Guidelines**

The contest is open to all student members of IEEE in India Under UG and PG Category

Original & work actually performed by the students only should be Submitted.

Papers in any subject of interest to IEEE may be submitted

The number of authors for any paper should not exceed three

A student can be an author in more than one paper.

Paper should be prepared in the standard IEEE double column A4 format Which Can be obtained from ieee website.

Length of The paper should be 4 pages and should not exceed 6 pages in the Standard double column ieee format.

Each entry should have a title of the paper, name of the authors, the affiliation of the author(s) as in ieee format

Declaration from the branch counsellor should accompany each entry in the following manner

**“it is certified that the author..... ..is an IEEE Student member. The paper entitled .....is his/her own work, eligible for the M.v.chauhan students’ Paper Contest 2012”**

In case the institution does not have an IEEE student branch, this Declaration Should be signed either by a faculty Member who is an IEEE Member, or by the Principal.

**The paper and scanned copies of supporting documents should be Submitted Electronically through e-mail and to be sent to**

Submit your entries to:

Dr. Prerna gaur ,

[Mvcpapercontest@gmail.com](mailto:Mvcpapercontest@gmail.com) and [Prernagaur@ieee.org](mailto:Prernagaur@ieee.org)

Vice Chair - Student Activities, IEEE India Council.





## International Conference on Communication, Devices and Intelligent Systems : CODIS 2012 December 28 & 29, 2012: Dept. of ETCE, JU, Kolkata, India.

### IEEE CONFERENCE RECORD # 21221 CALL FOR PAPER

The Department of Electronics & Tele-Communication Engineering (ETCE), Jadavpur University (JU), Kolkata – 700 032, West Bengal, India has undertaken active research in the areas of Communication, Devices and Intelligent Systems during the last few decades. The Department has organized both National and International Conference on areas of its interest in the past. On the occasion of its 55<sup>th</sup> Year (1957 – 2012), the Department endeavors to organize CODIS 2012 at JU Campus during Dec. 28 & 29, 2012 in Technical Collaboration with **IEEE Communications Society (COMSOC) Kolkata Chapter**. Authors are invited to submit original research papers which are previously unpublished and are not under consideration for publication elsewhere. Topics of interest for submission include, but not limited to:

Analog and Digital Signal Processing Artificial Intelligence and Soft Computing Broadband Wireless Communication Data Security and Data Hiding Embedded Systems, EMI/EMC Photonics, RFID, RF MEMS, Robotics Sensor Networks, VLSI Circuit Design	Antennas and Microwaves Bio-Informatics and Computational Biology Cloud Computing, Cognitive Radios, Computer Vision Digital and Mobile Communication, Electronic Devices Image Processing, MANETs, Pattern Recognition Nano Devices, Single Electron and Spintronics Devices WiMAX Hand-off and Call Admission, CMOS MEMS
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### Paper Submission Guidelines and Proceedings:

Papers may be prepared in the IEEE 2-column Format on A4 page size; Maximum length of the paper is 4 pages; **Papers (pdf) are to be submitted via EasyChair conference system**

A signed **Declaration** by the authors regarding *Originality of the Work and Responsibilities* is mandatory for consideration of the submitted papers for Review.

The accepted papers, which are registered and presented in the Conference, are likely to be indexed in **IEEE Xplore**

### Important Dates:

Submission of Papers:	Sep. 23, 2012 (Extended)	Notification of Acceptance:	Nov. 07, 2012
Submission of Camera Ready Version:	Nov. 21, 2012	Registration:	Nov. 28, 2012

### Schedule of Registration Fee:

Category	Participants from India		Participants from Abroad	
	IEEE	Non-IEEE	IEEE	Non-IEEE
Author : Students	INR 2500	INR 3000	USD 100	USD 125
Author : Academia & Industry	INR 4000	INR 5000	USD 150	USD 200
Non- Authors : Listeners	INR 2500	INR 3000	USD 100	USD 125

**Early Bird Discount: INR 500 / USD 10 for Registrations of all categories done on or before Nov. 21, 2012**

### Contact email:

For **Paper Submission** related Enquiry: [submissioncodis@gmail.com](mailto:submissioncodis@gmail.com)  
 For **Registration / Sponsorship** related Enquiry: [registercodis@gmail.com](mailto:registercodis@gmail.com)  
 For all General Enquiry: [conferencecodis@gmail.com](mailto:conferencecodis@gmail.com)

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<http://www.etceju.org>

## **The First IEEE International Symposium On Cost Effective Museum Exhibits in Engineering and Applied Science**

The First IEEE International Symposium on Cost-Effective Museum Exhibits in Engineering and Applied Science is an international symposium on the creation, development, implementation and dissemination of museum exhibits on engineering, computing, applied science and technology. These exhibits are targeted for audiences of ages 8 to 18. The Symposium will concentrate on development of museum exhibits that, in addition to their intrinsic intellectual and educational value, are modular, replicable, transportable and affordable.

Sponsored by the IEEE Educational Activities Board, IEEE Hyderabad Section and the B.M. Birla Science Centre, the Symposium is targeted for:

Educators in engineering, computing, applied science and technology who are interested in developing cost - effective museum exhibits and exposing students to the museum experience.

Directors, curators, and staff of science and technology museums.

IEEE volunteers interested in working with local museums on the development and implementation of cost-effective museum exhibits.

The Symposium will be held **30 November to 2 December 2012** at the B.M. Birla Science Centre in Hyderabad, India.

### **Important Dates:**

<b>15 August 2012</b>	<b>Deadline for submission of abstracts, workshop proposals and special session proposals</b>
<b>15 August 2012</b>	<b>Deadline for applications for travel and registration stipends (IEEE volunteers and cooperating museum staff members only)</b>
<b>15 September 2012</b>	<b>Announcement of acceptance of abstracts, workshop proposals and special session proposals</b>
<b>15 September 2012</b>	<b>Announcement of approved travel and registration stipends</b>
<b>15 September 2012</b>	<b>Registration opens</b>
<b>31 October 2012</b>	<b>Deadline for submission of final version of accepted papers</b>
<b>31 October 2012</b>	<b>Registration closes</b>

For Further details, visit <http://sites.ieee.org/exhibits2012/>  
Contact: [exhibits2012@ieee.org](mailto:exhibits2012@ieee.org)

Best Regards,

Maruthi Pathapati

[pvsmaruthi@ieee.org](mailto:pvsmaruthi@ieee.org)

Organizing Committee Member

*The First IEEE International Symposium on Cost-Effective Museum Exhibits in Engineering and Applied Science*



## National Seminar On Computer Vision and Image Processing (NasCoVIP 2012) in Rajkot, Gujarat on 21st and 22nd September



### **NasCoVIP 2012**

September 21 & 22, 2012 – 9.30 a.m. to 5.00 p.m.

#### **Venue:**

Marwadi Education Foundation's Group of Institutions  
Rajkot - Morbi Highway, Near Gauridad, Rajkot 360 003

#### **Objective**

With a vision to promote research and developmental activities in Computer vision, Image processing and related fields, a two day National level seminar 'NasCoVIP' was organised by DAICT and IEEE Gujarat Section in 2006. In continuation to this initiative, MEFGI along with IEEE Gujarat Section is organising this seminar to promote the exchange of knowledge, research issues and developments by assembling the experts and researchers of these fields under one roof. The objective is to provide participants with enough opportunity to enhance their knowledge regarding present developments, future trends and state-of-the-art in the fields related to Computer vision and Image processing through presentation, laboratory sessions and interaction.

#### **Theme:**

Present and future trends in the field of computer vision and image processing.

#### **Participants:**

Senior under graduate students, graduate students, researchers from academia as well as industry and faculty members interested in the field of Computer vision and Image processing are encouraged to participate.



### About MEFGI

**Marwadi Education Foundation's Group of Institutions (MEFGI)** is an approved Technical Campus situated at Rajkot, Gujarat. It is affiliated to Gujarat Technological University, approved by AICTE, and offers graduate and postgraduate courses in various disciplines of Engineering, Computer applications and Management. It has achieved a prominent position in Gujarat, within a short span of 3 years.

### About IEEE Gujarat Section

IEEE Gujarat Section comes under Asia-Pacific Region of IEEE and was adjudged the Outstanding Small Section of Region 10 in 2004. This section emphasizes on quality programmes required for professional development of its members.

### Distinguished Speakers:

- Subhasis Chaudhuri, IIT, Bombay
- Bhabatosh Chanda, ISI, Kolkata
- M. V. Joshi, DA-IICT, Gandhinagar
- Dipti P. Mukherjee, ISI, Kolkata
- Priti P. Rege, College of Engineering, Pune
- Gaurav Harit, IIT, Jodhpur
- Suman K. Mitra, DA-IICT, Gandhinagar
- Subhalaxmi Kher, University of Arkansas, USA

### Important Dates:

Registration Close	:	<b>September 10, 2012</b>
Early Bird Registrations	:	<b>On or before 26<sup>th</sup> August 2012</b>
Seminar date	:	<b>September 21 &amp; 22, 2012</b>

### Registration:

- All participants need to register and pay fees.
- For more information on registration and payment visit seminar website [www.marwadieducation.edu.in/nascovip2012](http://www.marwadieducation.edu.in/nascovip2012)

	<b>Early Bird</b>	<b>Late</b>
IEEE Members (Students)	<b>800</b>	<b>1000</b>
IEEE Members	<b>1000</b>	<b>1200</b>
Non Member	<b>1500</b>	<b>1700</b>

### COMMITTEES

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Ravi Bhutani, Asst. Professor-EC, MEFGI  
Sunera Kargathara, Asst. Professor-EC, MEFGI

### For further details and registration

Rashmin Dave, +91 9727724673, [nascovip2012@marwadieducation.edu.in](mailto:nascovip2012@marwadieducation.edu.in)