

About Vidya Prasarak Mandal and Institute:

Vidya Prasarak Mandal (VPM), established in 1935, is a pioneer educational institute in Thane imparting quality education to nearly 14,000 students from faculties in Arts, Commerce, Science, Law, Polytechnic, and Management Studies. VPM's Maharshee Parshuram College of Engineering at Velneshwar, Ratnagiri district is a state of the art Engineering College campus affiliated to university of Mumbai.

VPM's Polytechnic established in the 1983, has made a phenomenal growth in past three decades and is primarily offering seven diploma courses in Chemical Engg, Computer Engg, Electrical Power Systems, Industrial Electronics, Information Technology, Instrumentation and Medical Electronics. Polytechnic also offers many certificate and advanced diploma programs for working professionals. The Institute has contributed in the development of curriculum and learning resources under Maharashtra State Board of Technical Education's-Institute Partnership Projects from time to time. The institute has won ISTE –Narsee Monjee Award for "Best Overall Performance" in Maharashtra State for the year 2009.

With the vision of expanding its horizons, VPM's Polytechnic has entered into collaborative agreement with Northern College of applied Arts and Technology, Timmins, Province of Ontario, Canada where the diploma holders can pursue various post diploma programs. In 2013, Industrial Electronics Department of VPM's Polytechnic has signed an MOU with Mechanical Engineering and Design department of Aston University, Birmingham, U.K. for joint research on "Artificial Heart". This project has received funding from UKIERI (UK India Education and Research Initiative).

About the Conference

The theme of 16th National Conference is **Next Generation Electronics**. With the consensus to work with the intelligent smart electronics systems we are heading towards the evolution of **Next Generation Electronics**. Today's electronics is facing various challenges such as CMOS technology limitations, inadequate battery life, communication channel security, mobility with performance reliability, biological signal sensing, communication and networking, e-waste management and many more unseen challenges.

These challenges are equally significant in major strategic areas such as nuclear power, space communication, and defence application which perform a key role in the scientific and technological scenario of the country and nation-building exercise. There is an immense need for the development of new trends to use combinations of existing matured technologies to create innovative system concepts while leading to the new era of electronics.

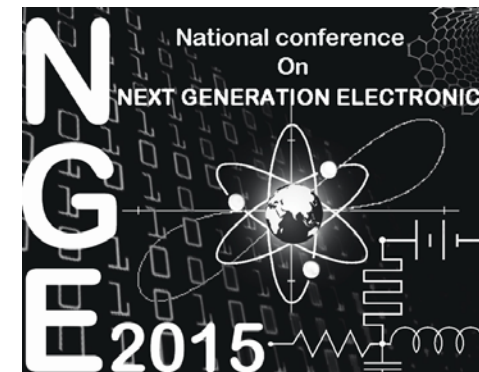
We take privilege to welcome researchers, academicians, and industry and student fraternity for this Two-day National Conference on Next Generation Electronics. Technical papers contributing original work in fundamental research and design development on the areas mentioned below are invited for oral and poster presentations. This conference will be an appropriate platform for publishing papers on design and development of innovative ideas in electronics, as the conference is inclusive of Exhibition on Industry products and novel designs. The conference will be an opportunity for UG and PG onwards students to participate in poster competition and display innovative research work and ideas.

Topics for Paper/Posters

- 1. Solid-State Technologies and Devices**
 - MEMS and Applications
 - Nano Devices, Materials and Applications
- 2. Communication, Networking and Signal Processing**
 - Modulation Coding and Diversity
 - Energy Efficiency and Optimization
- 3. Green Electronics**
 - Organic And Sustainable Electronics
 - Electronics in Renewable Energy
- 4. Bio-Electronics**
 - Biodegradable And Biocompatible Electronics Devices
 - Neuroprosthetics
- 5. Smart Electronics**
 - Printed Electronics
 - Consumer Electronics
 - Wearable Electronics
- 6. Sensors and Applications**
 - Optoelectronics
 - Bio-Sensors
- 7. Electronics for Strategic Areas**
 - Atomic Energy
 - Space
 - Defence



Annual National Conference – XVI
On
Next Generation Electronics
16th and 17th January 2015



Organized by



V.P.M.'s Polytechnic, Thane

Vision : Ensuring Quality Technical Education

Prof. D.K. Nayak

Convener

Principal

Mrs. Kirti Agashe

Organizing Secretary

HOD, Industrial Electronics

Venue

Thorale Bajirao Peshwe Sabhagruha
'Jnanadweepa', Thane College Campus,

Chendani Bunder Road,

Thane (W) – 400601

Telephone : 022-25364494

Fax : 922-25339872

Email : nge2015@vpmtree.org

Website : www.vpmtree.org

Call for Paper

Technical papers on original or unpublished research work/tutorial/review are invited. Authors are requested to submit an abstract for paper/poster, in the template provided on conference website and e-mail to nge2015@vpmthane.org before 30th June 2014. The author should send the details of the person for correspondence in case of multiple authors. The necessary guidelines for preparing full length paper/poster will be sent to the authors after the abstract acceptance. Papers will be selected for publication upon peer reviews and authors are requested to cite all the references.

Important Dates

- Abstract submission deadline30 June 2014
- Acceptance to authors30 July 2014
- Full length paper submission30 August 2014
- Poster submission30 August 2014
- Confirmation to authors of
Paper and Poster30 October 2014
- Last date of registration30 November 2014

Registration Information

Online Registration Payment through NEFT/RTGS

Up to 30th Nov. 2014	Delegates (including Authors)	Rs.2000/-
	Students	Rs.1000/-
1st Dec. 2014 Onwards	Delegates (including Authors)	Rs.2500/-
	Students	Rs.1200/-

The payment should be made in Cash or Online Payment or in the form of DD/Pay Order of a Nationalized Bank, favoring “**Principal, VPM’s Polytechnic, Seminar A/c**”, payable at Thane.

Bank Details for Online Payments (NEFT/RTGS):

Bank Name and Address : Thane Bharat Sahakari Bank Ltd.
Chendani Koliwada, Datta Mandir Road, Thane - 400601
Saving Bank A/c No. : 00611500009416
IFSC Code : TBSB0000006
MICR Code : 400525006

Authors should email scanned copy of Registration Form to nge2015@vpmthane.org while paying registration fees.

Concession Offer: Group (4 member’s minimum) participation from the same organization shall be given 25% concession.

Accommodation: On prior request from participants, accommodation can be arranged in local hotel on twice sharing bases with Rs.1000/- per day charges, which shall be paid along with registration charges.

Chief Patrons

Dr. V.V. Bedekar

Chairman, Vidya Prasarak Mandal, Thane, India

Dr. S.K. Mahajan

Director, Technical Education, Mumbai, MS, India

Mr. P.A. Naik

Director, Maharashtra State Board of Technical Education, Mumbai, MS, India

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Mr. N.M. Ambadekar

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Electronics Engg. Dept., VJTI, Mumbai

Dr. Mrs. Sangeeta Joshi

Electronics Engg. Dept., VIT, Mumbai

Mr. Rahul Kulkarni

Sr. Manager Marketing, Siemens India.

Dr. Mrs. Madhavi Thakurdesai

Birla College, Kalyan

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Director, ASHIDA Electronics, Thane

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Mr. Vivek Koshti

Sr. Engg, Instrumentation Dept., Jacobs Engg, Navi Mumbai

Mrs. Neha Muthe

Technova Engg Services, Thane

Mr. Vishwa Deepak Shukla

Assistant Manager I.T., Hinduja Hospital, Mumbai

Annual National Conference – XVI On

Next Generation Electronics

16th and 17th January 2015

Registration Form for PAPER / POSTER

Name: Mr./Mrs/Ms/Dr. _____

Designation: _____

Organization: _____

Contact No. (Mobile) _____

Email ID: _____

Participation Details:

1) Participating / Presenting a Paper / Poster

2) Title of Paper(s)/Poster: _____

3) Co-author (if any): _____

Registration information

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Registration Details :

Amount : Rs. _____

Pay Order/DD/NEFT : _____

Date : _____

Drawee Bank : _____

Branch : _____

Author name for correspondence: _____

Accommodation Required : Yes / No

Accommodation charges paid : _____

Note: Participants can attend the seminar without presenting a Research paper, after getting registered.

Date:

Signature

Contact for Registration:

Miss Amisha Mestry

8652389456

Mrs Kimaya Kolhe

9920383633



V.P.M's Polytechnic, Thane

Two Days National Conference and Educational Exhibition
on

Next Generation Electronics-2015

16th and 17th January 2015



About Exhibition

VPM'S Polytechnic is organizing its 16th National Conference and Educational Exhibition on 16th and 17th January 2015 on the theme

"Next Generation Electronics"

Venue

Thorale Bajirao Peshawe Sabha Gruha
(Auditorium)

Facilities provided per stall

Stall area: 7*7ft

Table size: 4*2ft

One extension board

Hospitality (breakfast and lunch)

Registration procedure

Registration fees per stall: -8000/- Rs (two representatives per stall)

For extra representatives: -2000/- Rs (per stall)

Fill the registration form and email the scanned copy on

nge2015@vpmthane.org

Contact Details

Organizing Secretary

Mrs. Kirti Agashe

(9766628515)

Website: vpmthane.org

Email-id: nge2015@vpmthane.org

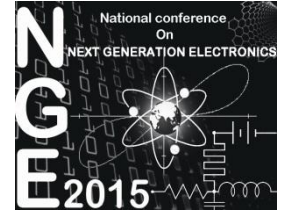


V.P.M.'S POLYTECHNIC, THANE

Annual National Conference XVI

Next Generation Electronics

16th and 17th January 2015



Sr no	Name of the Speaker	Institute / Organisation	Presentation Title
Keynote Speaker			
1	Dr. Y.V.N. Krishna Murthy	Indian Institute of Remote Sensing,	Next Generation Electronics
Speakers from Abroad			
2	Prof. Geoff Tansley	Professor and Head of Griffith school of Engineering, Griffith University, Australia	Automatic Control of implantable rotary blood pumps
3	Dr Mark Prince	Lecturer, Mechanical Engineering & Design, Aston University, Birmingham, United Kingdom	Particle manipulation in microfluidic systems for synchrotron imaging
Speakers from India			
4	Dr. V.H. Patankar	Scientific Officer, 'H', Electronics Division, Bhabha Atomic Research Centre, Mumbai.	Ultrasonic Instrumentation
5	Mrs. Kalpana Umrani	Scientific Officer 'H', Nuclear Power Corporation Ltd, Pune	Qualification of Electronic Equipment for Nuclear applications
6	Prof. Jayanta Mukherjee	Electrical Engineering. Dept., IIT, Bombay.	High Isolation Mixer for Wi-Fi Applications
7	Capt. Sanjay Karve	Chief Pilot/Director Civil Aviation, Govt. of Maharashtra, India.	Electronics in Aviation
8	Dr. Dhananjay Pandit	Head ,Water Resources Department DHI(India) Water and Environment Pvt Ltd.	Role of Electronics, Communication and Mathematical Modelling in Flood Forecasting
9	Capt. N.Raghavan	Senior Vice President, Ex.Indian Navy Services, Medall Diagnostics, Chennai.	Medical Electronics
10	Dr. Mrs. Sangeeta Joshi	Prof and Tech Advisor, Vidyalankar Institute of Technology, Mumbai	CMOS to Nano Technology
11	Mr. Vijay L. Sonavane	Member (Tech) ,MERC Mumbai	Effective Use of Communication, Networking and signal Processing in Energy Efficiency
12	Dr. Mrs. Madhavi Thakurdesai	Associate Professor, Birla College, Kalyan.	Ion beam processes in Micro and Nanoelectronics