



Padmabhushan Vasantdada Patil
Pratishthan's
College of Engineering Sion, Mumbai-22, INDIA

Presents

International Conference on Innovation
and Research in Technology and
Engineering



In Association with



- PVPPCOE is Ranked 2 among the Mumbai colleges in the "Top 100 Engineering Colleges in India" by The Higher Education Review
- Also Ranked 9 in the "Top 20 Engineering Colleges in India with Excellent Industry Exposure"
- The only College in Maharashtra to be honored by hat-trick of awards
- Best Engineering College of the Year" from Estarde Education Awards 2017, Singapore
- Best Engineering College in Mumbai" from National Education Excellence Awards, 2017 by Praxis Media Pvt. Ltd.
- Education Excellence Award" by Indus Foundation, USA
- General Secretary Sr. Adv. Appasaheb S. Desai awarded as "Eminent Educationist" by Indo-global Education & Skills Summit & Expo 2017.
- Principal Dr. Alam N. Shaikh awarded as "Young Achiever of the Year" from National Education Excellence Awards, 2017 hosted by Praxis Media Pvt. Ltd.

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Post Conference Report

October 26 – 27, 2017

www.pvppcoe.ac.in

ABOUT PVPPCOE

VIEW FROM ROAD TO WADALA (ROAD TO ANIK DEPOT, RTO, IMAX)



PVPPCOE is an Engineering College in Mumbai, India established in 1990, the foundation for which was laid under the able leadership of 5th Deputy Prime Minister of India & first Chief Minister of Maharashtra Yashwantrao Chavan, is affiliated to University of Mumbai.

The college is approved by the Government of Maharashtra, Directorate of Technical Education (DTE) and All India Council for Technical Education (AICTE). The college conducts Degree courses leading to B.E. Degrees in the disciplines of Engineering Courses in Electronics, Computer, Electronics & Telecommunication and Information Technology which are accredited by the National Board of Accreditation (NBA).

MESSAGES FOR CONFERENCE

Devendra Fadnavis
Chief Minister
Maharashtra



Mantralaya
Mumbai-400 032
18th October 2017

MESSAGE

It gives me immense pleasure Padmabhushan Vasantdada Patil Pratishthan's College of Engineering is organizing an international conference on Innovations and Research in Technology and Engineering.

The last century has witnessed a sea change in life standards as well as in the field of engineering. Presently, we need some innovative solutions to make our life easy by bringing enhancement in productivity and broadening our ability to communicate and connect on a global level.

I congratulate the college for organizing the conference to create a platform for young and promising managers to discuss their problems with their peers. I hope that this conference will provide a springboard to the upcoming experts and give a chance to know about the latest developments in the field of research and knowledge.

I extend my best wishes to all those involved in the effort.



(Devendra Fadnavis)

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Date : 18.10.2017

MESSAGE

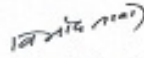
I was pleased to learn about the International Conference on Innovation and Research in Technology and Engineering (ICIRTE-2017) organised by Padmabhushan Vasantdada Patil Pratishthan's College of Engineering.

In the constantly evolving world of technology, it is essential to keep up with the changes and advances of the field. I hope that during the conference, the experts will uphold their potential of excellence and introduce new developments of science and engineering keeping in view the needs of the present age, adding to the emerging pool of research and to the mutually beneficial experience for both the experts and the students. This initiative illustrates the foresight and efforts of the organisers towards enhancing our academic structure.

I extend my best wishes to the organisers and the participants of the event and wish them well for all future endeavours.

Thank You.

Yours,


(Vinod Tawde)

ABOUT ICIRTE



The international conference "Innovation and Research in Engineering and Technology" aims following objectives:

- Technology has grown to a wide dimension. Today everything is driven by the advancement in technology. The ICIRTE 2017 conference provides global environment for the exchange of innovations and sustainable technologies related to the fields of Electronics , Communications , Computer and Information Technology.
- It provides a platform to the student and researchers to present their ideas and novel concepts.

- It will help to create a forum for leaders in the field of technology , policy and industry to deliberate on new ideas and develop solutions for the remarkable challenges present in today's advanced technology .

The ICIRTE 2017 conference provides global environment for the exchange of innovations and sustainable technologies related to the field of Electronics, Communications, Computer, Information Technology, Humanities Science, Mathematics and management. It provides a platform to the students, faculties and researchers to present their ideas and novel concepts. It will help to create a forum for leaders in the field of technology, policy and industry to showcase new ideas and develop solutions for the remarkable challenges present in today's advanced technology. Conference is held in association with technical bodies IEEE, IETE, ISTE, CSI.

CONFERENCE INAUGURATION CEREMONY



The conference inauguration was held in the presence of

Sr. Advocate Shri. Appasahed Desai (General Secretary, PVPPCOE)
Smt. Ashalata Phalke (President PVPPCOE)

Chief Guest

Dr. Amit Dutta (Director WRO, AICTE)

Guest of Honor

Dr. Dhiren Patel (Director VJTI)
 Dr. Suresh Ukarande (Principal, KJSIET)

Keynote Speaker

Dr. Suryakant Patil (Director PSP IP)



Convenor

Dr. Alam N Shaikh(Principal PVPPCOE)



Co- Convenor

Dr. Mahavir Devmane (HOD COMP, PVPPCOE)

Ms. SupriyaChaudhary (HOD IT, PVPPCOE)

Ms. NilimaZade (HOD ELEX, PVPPCOE)

Mr. Vijay Salake (HOD EXTC, PVPPCOE)

CONFERENCE SCHEDULE

The main conference agenda had been formulated with the support of the conference's Advisory and Review Committees, as well as the input of the local Organizing Committee . It included total 5 Tracks, up to nine sessions in total, of Big Data , Internet of Things , Microwave and Antennas , and VLSI featuring demonstrations of some of the latest developments, a series of networking , database and antennas sessions called accompanying exhibition with for posters presentation.



Keynote speech by Dr. Suryakant Patil

26 October 2017

10.30 – 1.30 : Opening of conference and keynote speech Chairs: Dr. Suryakant Patil (Director, PSP IP)

Subject : Intellectual Property Rights and Patent Filing.

Keynote speech: Intellectual property (IP) refers to creations of the intellect for which a monopoly is assigned to designated owners by law. Intellectual property rights (IPRs) are the rights granted to the creators of IP, and include trademarks, copyright, patents, industrial design rights, and in some jurisdictions trade secrets. Artistic works including music and literature, as well as discoveries, inventions, words, phrases, symbols, and designs can all be protected as intellectual property.

Computer Engineering / Telecommunication Engineering

17.00 – 18.00 Setting the Agenda Four simultaneous interactive poster presentationand key issues for the conference

27 October 2017

09.15 – 1.15 Poster session : Participants given an opportunity to present their projects informally using visual displays or posters

09.15 – 13.15 Track I Presentation : Computer Engineering and Information Technology

09.15 – 13.15 Track II Presentation : Electronics and Telecommunication Engineering

09.15 – 13.15 Track III Presentation : General Engineering

13.15 - 14.00 LUNCH

14.15 – 15.30 Track I Presentation : Computer Engineering and Information Technology

14.15 – 15.30 Track II Presentation : Electronics and Telecommunication Engineering

14.15 – 15.30 Track III Presentation : General Engineering

15.30– 18.30 Valedictory Function

CONFERENCE SESSIONS

The presentations covered an extensive range of subjects that indicated the breadth of the field and its possible applications along with work that is at the forefront of computer , information technology , electronics and telecommunication engineering. The benefit of this being to provide an understanding of current trends in research and gaps in understanding that demand further investigation. Continuing to be aware of the direction of research and the problems being investigated will allow me to make more informed decisions about a future career in engineering. Networking was a significant feature of the conference. Interactions between the established academics and 'young scientists' served to develop a greater network of contacts and acquaintances that are directly involved in Database , Cloud , Microwave Antennas, VLSI , IoT and Data Analytics possibly opening avenues for post doctoral research opportunities and advice on research..

Total number of papers submitted: 194

Total number of papers accepted : 147

VALEDICTORY FUNCTION

The valedictory function held to felicitate authors and participants for successful submission and presentation of their innovative ideas through this ICIRTE platform. Certificates were presented by Guest of Honors and Chief guests Dr. SubhashShinde Dr. DayanandIngle , Dr. HariChavan, and Principal Dr. Alam N Shaikh.

During the valedictory speech Senior Advocate Shri. Appasahed Desai (General Secretary, PVPPCOE) congratulated to all the researchers and students and given key inputs about plagiarism issues and research work. Sir said most of the research ideas we can get from social issues and the current problems faced by the peoples. He assured that the conference will help research scholars and students to enhance their knowledge and engineering skills and build creative and strategic thinking among them.

Speaking on the occasion Dr. AlamShaikh (Principal PVPPCOE) given overview about the conference , number of papers submitted and review process. He also congratulated to all the participants and best wishes to all the students. Sir also appreciate the hard work done by individual staffs for the conference and felicitated them with bouquet.

Chief guest for the function Dr. SubhashShinde , Dr. D. R. Ingle and Dr. HariChavan appreciated the work done by the organizing members and congratulated to all the participants. They also remark about the quality of papers submitted for the conference and the different issues handled by the researchers.

Finally Dr. Mahavir Devmane given vote of thanks and announced the best paper and best poster awards.

Total 4 papers were selected for Best Paper Award and 2 papers for Best poster presentation.





CONFERENCE ORGANIZERS



IEEE Bombay Section



ISTE, New Delhi

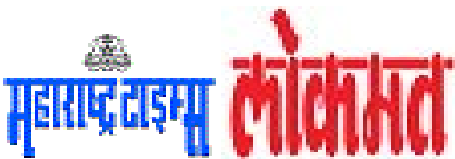


Computer Society of INDIA



IETE, Mumbai

Media Partners



SESSION OVERVIEW

The session on “Web Engineering” was held on day 2 of the conference(27th Oct). This session was arranged in Computer Laboratory No. 316 from 10.00 hrs. to 12.30 hrs. Dr. D.R. Ingle, Professor, BhartiVidyapeeth College of Engg, Navi Mumbai was invited as a session chair. The session in- charges for this session were Ms. ManjiriPathak& Ms. Swati Shishupal.The aim of the session was to bring scholars, researchers, educators, students, professionals& other groups interested in education to present their work on the developments in research& technology. This conference also serves to further the advancements & innovation inlearning & teaching.

The areas of interest presented in this session were-

- Web Applications
- Cloud Computing
- Android based application
- Image Processing & Neural N/Ws
- Artificial Intelligence

The session started with brief introduction by Ms. Swati shishupal followed by theintroduction & felicitation of the session chair Dr. D. R. Ingle by Prof. ManjiriPathak as well as offering the memento by Dr. Alam N. Shaikh, Principal, PVPP's College of Engineering.Mr. SohamAshtamkar& group presented a paper on 'NFC Technology based Mobile Healthcare System', in which they explained about how mobile healthcare systems are regarded as a solution to healthcare cost without reducing the quality of patient's health. They scored maximum marks as per the evaluation done by the session chair in this session. The session was a great success. Many attendees expressed positive feedback about the insight, relevance and quality of the papers that were selected for the session and their presentations.

On day two (27th October 2017) the session on “Application of Computer in ImageProcessing and Cloud Computing” was arranged. This session was arranged in Computer Laboratory No. 416 from 10.00 hrs. to 12.30 hrs. Dr. HariChavan,Professor, Fr. Conceicao Rodrigues Institute of Technology, Vashi was the sessionchair. The session in charges for this session was Prof. SachinBarahate and Prof.PrernaSolanke.

The objective of the session was to bring together the specialists, experts fromdifferent field and academicians. The session provides the platform to discuss thevarious Application of Computer in Image processing and cloud computing andrelated issues.

The main tracks that were covered in this session were:

- Priority based task scheduling in cloud computing
- Content Based Image Retrieval
- Video Compression
- Face recognition system
- Private and Public Virtual Cloud

The session started with the felicitation of the session chair Dr. H. K. Chavan byProf. SachinBarahate.Mr. SanketAndhale along with his co-author presented a paper based on“Identification and Prevention of Doziness using Face Recognition System”, thathelps to prevent road accidents by detecting fatigue behavior of the driver well andbefore accidents occur. In this, driver's facial appearance is extracted via highspeed camera placed in car.

Ms. ShwetaKamath et al. presented a paper on “Video Compression using GlobalSystem for Mobile Communications and Satellite Telemetry”. She discussedvarious compression techniques that will be useful to prevent excessive bandwidthconsumption and optimal utility id current system.

The session was a great success. In addition to being well attended, the session waswell received. Many attendees expressed positive feedback about the insight,relevance and quality of the papers that were selected for the session and theirpresentations.

At the end of the session the memento was offered by Dr. Alam N. Shaikh,Principal, PVPP's College of Engineering, Mumbai to the session chair.

CONFERENCE SUMMARY

Looking back at the ICIRTE conference now it is impossible to summarize the rich ideas that were shared over the two days. What we have learned are some of the key outputs and learning that occurred during these 2 days. The most important one is the recognition that ICIRTE is about people and that we all need to take responsibility to keep in touch with each other with innovative ideas. We think that two days was enough time to begin to raise some of the issues in a systematic way. What we have here is a framework to inform our future conferences and look forward to continuing the dialogue we started in 2017.