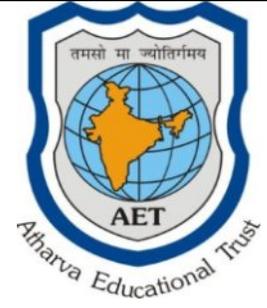


ICIATE-2017



International Conference on Innovative and Advanced Technologies in Engineering In collaboration with IJERT 12th to 14th January, 2017

Atharva College of Engineering, Malad(W), Mumbai, India

(Approved by AICTE, Recognized by DTE and Affiliated to University of Mumbai, ISO 9001- 2008 certified)

Conference Website: www.aceconference.in

Email id: iciate2017@gmail.com

College Website: www.atharvacoe.ac.in

Contact us : 022-40294949

About College:

Atharva College of Engineering has right blend of technology, innovation and research, with its keen foresight and exemplary vision. The following endeavors and achievements stand witness to Atharva's penchant for innovation:

- **The Atharva Ground station** - Atharva Satellite Ground Station was initiated as a part of IIT Bombay's first Student Satellite "PRATHAM" in 2008. Pratham was successfully launched on 26th September 2016 from Satish Dhawan Space Centre Sriharikota, Andhra Pradesh. Atharva Ground station is the first functional station capable of receiving and processing data sent by PRATHAM apart from the IIT-B station.
- **Atharva Robotics Centre** - India's Second & Maharashtra's First Engineering College which is equipped with a standard training cell comprising of KUKA KR-16-2 Industrial Robot with required auxiliary equipments.
- **iMac Lab** - A Full fledged state-of-the-art lab with iMacs and Apple TV that provides platform for developing iOS, macOS and tvOS Apps.
- **Remote Lab in Embedded System** - Atharva College of Engineering and Eduvance Remote lab in collaboration with ARM University Program is a first of its kind lab that allows students to access Embedded Platforms remotely. It is a scalable solution where an entire class can access the technology for mass scale skill development.
- **Make in Atharva** - A venture launched in October 2015 to encourage entrepreneurship amongst students and alumni. The key deliverables of this initiative are mentoring by faculty members, registration and patent services giving opportunity to our students by extending our infrastructure support. 13 start-ups incubated, out of which 2 are live.
- **IoT Lab** - ACE aspires to become a pioneer for IoT Technology and education by coming up with research oriented projects catering to the listed domains but not limited to: agriculture, Smart City Project, Retail and Supply chain Management
- These are few of the many remarkable milestones of Atharva. As a part of our quest to come up with solutions to real-time problems with advanced and cutting-edge technologies, we are organizing this International conference. The main objective of ICIATE-2017 is to present the research from different areas of science and technology by providing a platform for researchers and scientists across the nation to exchange and share their research results about all aspects of Electrical, Electronics, Computer Science and Information Technology equipment.

Pre- Conference Workshops

(12th Jan, 2017)

Workshop 1: Bluetooth Low Energy for Internet of Things

Objective: The theme of this workshop is based Internet of things and organized with the objective of bringing together academicians, scientists and experts, working in areas of research. This workshop focuses on both theory and applications in the broad areas of Internet of things in Electrical, Electronics & communication, computer science and Information Technology. The rapid advancement and ubiquitous penetration of mobile network, web based information creation and sharing, and software defined networking technology have been enabling sensing, predicting and controlling of physical world with information technology.

Part A: Programmable SOC Basics, Basics of Bluetooth Low Energy (BLE)

Part B: BLE based IoT Project

Workshop 2: Social Learning

Objective: The theme of this workshop to empower people with a power tool that helps them access, archive, link and share their knowledge making social and informal learning intelligent and visible and thus “Democratize Learning”. To facilitate efficient social learning of the people by creating a power tool for use by the people to make social learning intelligent and visible for the people

- The entire workshop will be hands on and free of cost for the registered participants.
- Certificate for Workshop will be provided for registered participants.

Time: 9:00 am to 5:00 pm

Technical Co-sponsor: Eduvance

Certification: ARM University Program and Cypress University Alliance

Speakers:

- 1) Dr. Jonathan Joshi, CEO, Eduvance.
- 2) Mr. Ganesh Gore, Chief Training Officer, Eduvance
- 3) Mr. Girish Gopala Krishnan, CEO, Wiksate Sol. Pvt. Ltd.

ICIATE 2017

(13th and 14th Jan 2017)

Conference Objective: A multidisciplinary conference organized with the objective of bringing together all leading academic scientists, professors, research scholars and students working in all areas of Computer Engineering, Electronics, Electrical and Electronics and Telecommunication Engineering. The Conference aims to facilitate close interaction for exchange of views & dissemination of knowledge and discuss the practical challenges encountered and the solutions adopted in the specified area.

Tracks for Paper Presentation and Poster (but are not limited to):

Track 1: Special Track on IOT:

Wireless Networking, Modeling and simulation, IoT-Cloud Integration, Big Data, Smart City Applications, Protocols and Algorithms, IOT in Biomedical applications, System and network architecture, Embedded systems and sensor networks, Security privacy and safety, technology, IoT applications and services, Smart City, Smart Grid, Smart Health Care, Human Computer Interfaces, Remote Sensing and surveillance, E-learning, E-Commerce, Graphical Information System.

Track 2: Communication and Networking:

Image processing, Digital signal processing, Embedded system, Artificial intelligence, Microelectronics, Mobile communication, Mobile Ad-hoc network, Modulation, Coding And Diversity, Multi- Carrier Communication Systems, Routing protocol and QoS, Cooperative Communication, Network Security and Cryptography, Space time Codes, Antennas and Propagation, MIMO and Adaptive antennas, Under water wireless Communication, Cross layer Designs, Cognitive Radio System And Networking.

Track 3: Applied Computing and IT:

Data Mining, Software Aided Project Management, Computer And System Security, Knowledge Acquisition And Expert Systems, Design Automation, Smart Materials And Intelligent Systems, Cloud Computing, Android Technology, Data Mining, Algorithm Analysis, Computer Graphics, Neural Networks, Soft Computing, Distributed Computing, Bioinformatics, Semantic Web, Web Technologies, Ubiquitous Computing, Information Processing, Evolutionary Computing, Genetic Engineering.

Track 4: Application of Power Electronics in Power System And Machine Control

Power electronics converters, Motor Drives and Inverters, Plant Design and Management, High voltage engineering, HVDC, FACTS, Power Quality, Smart Grids, Micro-grids, Distributed Generation, Energy efficiency, Power System Stability, Protection and Control, Multi-Level Converters and Inverters, Active and Passive Filters, Wind , Solar, Tidal wave and hydro power, Hybrid Energy Systems , Super Capacitors and other energy storage devices, Biomedical Power Electronics, Automobile Applications, Modeling and Simulation, Topologies, Analysis and Design of Switch Mode Power Supplies, Hard Switching and Soft Switching Converters, Analysis and design of Electrical Machines, Energy Economics.

Patron:

- Hon. Shri Sunil Rane

Advisors:

- Dr. P. N. Nemade
- Dr. S. P. Kalurkar

Central Coordination Committee:

- Prof. Mahendra Patil
- Prof. Jyoti Kolap
- Prof. Pragma Jain
- Prof. Nileema Pathak
- Prof. Disha Bhosle
- Prof. Poonam Deshpande

Organizer:

- Prof. Karuna Nikum
- Prof. Jyoti Golakia

Co-Organizers:

- Prof. Komal Mahajan
- Prof. Kavita Bani

Advisory Committee:

- Dr. Abhay Wagh, Director, MSBTE, Govt. of Maharashtra
- Dr. Rakesh Saxena, Director, SGSITS, Madhya Pradesh.
- Dr. Venkata Yaramasu, Northern Arizona University, US
- Dr. Jonathan Joshi, CEO, Eduvance, India
- Mr. Paul C. Mathew, Senior Enterprise Architect, Nationwide Building Society, Didcot, UK
- Mr. Sunil Issac, Vice President & KAM, Erricson, Malaysia.
- Prof. Mathew T Mathew, Associate Professor, UIC School of Medicine, Chicago, US.
- Mr. David C. Mathew, Director, Sales, Wipro, Australia
- Mr. R. R. Abhayankar, Ex Advisor, DSIR, Ministry Of Science and Technology
- Dr. Aditya Abhyankar, Dean, Faculty of Technology.
- Mr. Girish Gopala Krishnan, CEO Wiksate Solutions Private limited
- Dr. Ameya Tripathi, Dean, R&D, Don Bosco Institute of Technology.
- Mr. Sachin Sadare, Founder & Director, Idea Nutz Consulting, Mumbai
- Mr. Maciek Wojtasiak, Director (Operations & Medical Affairs), Astellas Pharma, Singapore.
- Mr. Ryan Off, Director (Technology & New Business) Ojai Oil, California, USA.
- Ms. Bettina Husemann, Global Program Manager, Nestle, Geneva, Switzerland.
- Mr. Devanjan Chakraborty, Assistant Program Manager, Caterpillar Inc., UK

Track 5: Electronics Technologies:

Reconfigurable Systems, VLSI for DSP, Biomedical Applications, ASIC & SOC, CAD for VLSI, RF Circuit Design, Bio-MEMS/NEMS, MMIC & CMOS Circuits, Nano-fabrication & Computing, Materials for Electronics, Integration of Electronic Systems, Instrumentation for Communication, Biomedical Sensors & Instrumentation, Industrial Instrumentation, Industrial Electronics, Opto Electronics, Nano Electronics, 3D Process and Integration Technologies, Substrate Embedding & Advanced Flip-Chip Packaging, MEMS & Sensor Technologies, Wafer-Level CSP & Heterogeneous Integration, Novel Materials, Devices and 3D Interconnects, Wearable, Flexible and Stretchable Electronics, Optical Interconnects & 3D Photonics, Digital System and Logic Design, Computer Architecture and VLSI, Networked-Driven Multicore Chips, Advance Robotics systems, Analog and Digital Electronics, Signals and Systems.

Track 6: Advanced Research in Science Technology and Learning:

(Only for Professionals)

E-Learning, Human Computer Interaction, Virtual Learning Environments, Ethical issues in Education, Education, Research and Globalization, Fundamental and Applied Sciences, Energy and Environmental Biotechnology, Advanced Biochemistry, Wastewater Engineering, Environmental Planning and Management, Environmental Toxicology, Nanotechnology, Water, Air, Noise Pollution and Control, Solid Wastes, Environmental Law, Advanced Chemical Engineering Thermodynamics, Polymer Physical Structure & Chemistry, Kinetics, Thermodynamics And Isotherms, Mathematics, Physics and Statistics, Food Science and Engineering, Environmental Management, Safety Management, Construction Management, Materials, Metallurgy and Industrial Engineering, Mining And Earth Science, and other issues on the environment, all similar science and technology studies, Innovation, Entrepreneurship and Technology management.

Important Instructions For Authors:

- Selected papers will be published in IJERT journal.
- Please refer the website for paper format, submission and other guidelines.
- Authors are informed to bring filled Registration Form, Copyright Form & Payment Receipt on the day of conference.
- Payment must be online.
- For any updated information, Please visit www.aceconference.in

Note: Authors have to submit their paper on <https://easychair.org/conferences/?conf=icate2017>

Venue / Address for Communication:

Atharva College of Engineering
Atharva Educational Complex,
Malad Marve Road,
Charkop Naka, Malad
(West), Mumbai-400095

- Mr. Sudhanshu Ojha, General Manager, D-link academy, SARC & Net Protect, D- Link, India
- Dr. Vijay Mandke, Ex. Deputy Director BITs Pillani, Professor at NIIT University.
- Mr. Manoj O. Jacob, Lead Mechanical Engineer, Melbourne, Australia.

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• **General Information:**

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Prof. Komal Mahajan
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komalsmahajan@gmail.com

IMPORTANT DATES

Last date of paper submission	20 th Nov 2016
Intimation of paper acceptance	30 th Nov 2016
Early bird Registration Date	Till 15 th Dec 2016
After Early Bird Registration date	16 th Dec 2016 onwards
Registration Fee include	Conference Kit and lunch for first author, presence for pre- conference workshop, inauguration, valedictory, all keynote address, Certificates for all registered author and co-authors.
Note: At least one of the team member amongst those who are presenting paper has to register compulsory.	

REGISTRATION FEE

TYPE	FOR FOREIGN AUTHOR IN US DOLLAR \$		FOR INDIAN AUTHOR IN Rs.	
	FOR EARLY BIRD	AFTER EARLY BIRD	FOR EARLY BIRD	AFTER EARLY BIRD
<i>Student & Research Scholars</i>	100\$	150\$	1500/-	2000/-
<i>Faculty/Researchers/Scientists</i>	200\$	250\$	2000/-	2500/-
<i>Industry Personnel</i>	300\$	350\$	4000/-	4500/-
<i>For Poster Presentation(only for students)</i>	50\$	75\$	1000/-	1200/-
<i>Registration Fee for Attendee</i>	100\$		1000/-	
<i>ON THE SPOT REGISTRATION(Paper)</i>	200\$		2500/-	
<i>ON THE SPOT REGISTRATION(Poster)</i>	100\$		1400/-	

MODE OF PAYMENT:

Bank transfer:

Registration fees should be paid to the following account. You can pay through online transfer, NEFT, etc.

Account Name: Mr. Kallurkar Shrikant Panditrao

Account number: 030011100027180

Bank Name: Abhyudaya Co-op. Bank Ltd.

Branch Name: Malad (West)

IFSC Code: ABHY0065030

MICR Code: 400065030

Instructions for payment:

- Payment must be online.
- The receipt as a proof of payment will be issued at the registration desk during the conference.
- No refunds will be issued by ICIATE- 2017 for any reason. Participants shall have confirmed all conference information before they complete the registration payment.

PRIZES (For students)

<i>Branches</i>	<i>Paper Presentation Prizes</i>		<i>Poster Presentation Prizes</i>
<i>Electronics/Electrical/ Electronics & Telecommunication/IoT</i>	<i>I Prize:-15,000/- II Prize:-10,000/- III Prize:-5,000/-</i>	<i>I Prize:-225\$ II Prize:-150\$ III Prize:-75\$-</i>	<i>I Prize:- 3000/- II Prize:-2000/- III Prize:-1000/-</i>
<i>Computer Science / Information Technology /IoT</i>	<i>I Prize:-15,000/- II Prize:-10,000/- III Prize:-5,000/-</i>	<i>I Prize:-225\$ II Prize:-150\$ III Prize:-75\$-</i>	