

ABOUT PUDUCHERRY

Heritage is one of the most precious gifts, Puducherry offers to its tourists and visitors. The coastal town of Puducherry with the French ambience is known for the serene atmosphere. The great poets Subramaniya Bharathi, Bharathidasan, Sri Aurobindo are some of the legends associated with Puducherry. Sri Aurobindo Ashram, Auroville, Bharathi Park, Ousteri Lake, Chunambar boat house, Botanical Garden, Manakula Vinayagar Temple, and Arikamedu (archaeological importance) are some of the major tourist attractions of Puducherry.

ABOUT THE INSTITUTION

Pondicherry Engineering College (PEC) is 31 years old Institution promoted and fully funded by the Government of Puducherry. The college was started in the academic year 1985- 86 under the seventh plan. The college has signed several MOUs with leading International/National Institution/Organizations of Eminence and is actively involved in various research projects. PEC now offers 8 undergraduate and 15 post graduate courses apart from Full Time/Part Time M.Phil. and Ph.D. Programmes. The National Board of Accreditation (NBA) has accredited all the 8 undergraduate courses. The college is situated about 12 km north of Puducherry and about 150 km south of Chennai along the scenic East Coast Road (ECR) on the shores of the Bay of Bengal. As per National Institutional Ranking Framework released recently by MHRD, our college is in 49th Position among the Technical institutes in India.

ABOUT THE DEPARTMENT

The Department of Electronics and Instrumentation Engineering was started in 1998 and has been producing resourceful engineers for the past 14 years. The department is offering a B.Tech in Electronics and Instrumentation Engineering and a M.Tech in Instrumentation Engineering. The department has a team of highly qualified and dedicated faculty members. The department has laboratories with modern and state of the art equipment, excellent computing facilities and a library with adequate number of books. The Alumni of our department are spread far and wide across the globe holding eminent positions in Industries, Academia and R&D.

ABOUT MEMS

The field of micro-electromechanical systems or MEMS, encompass the process-based technologies used to fabricate tiny integrated devices and systems that integrate functionalities from different physical domains into one device. Such devices are fabricated using a wide range of technologies having in common the ability to create structures with micro-scale and even nano-scale accuracies. The products range in size from a few microns to millimetres. These devices have the ability to sense, control and actuate on the micro scale and generate effects on the macro scale. The interdisciplinary nature of MEMS relies on design, engineering and manufacturing expertise from a wide and diverse range of technical areas including integrated circuit fabrication technology, mechanical engineering, materials science, electrical engineering, chemistry and chemical engineering, as well as fluid engineering, optics, instrumentation and packaging. The complexity of MEMS is also seen in the extensive range of markets and applications that incorporate such devices. MEMS can be found in systems ranging from consumer electronics, automotive, medical, communication to defence applications. Current examples of MEMS devices include accelerometers for airbag sensors, microphones, projection display chips, blood and tire pressure sensors, optical switches, analytical components such as lab-on-chip, biosensors and many other products.



NATIONAL WORKSHOP ON MEMS DESIGN TOOL - INTELLISUITE

06th January 2017



Co-ordinator
Dr.D.Sindhanaiselvi

Organized by
**Department of Electronics &
Instrumentation
Engineering,
Pondicherry Engineering College,
Puducherry- 605014
www.eie.pec.edu**

REGISTRATION FORM

NATIONAL WORKSHOP

MEMS DESIGN TOOL – Intellisuite 6th January 2017

Name: _____

Designation: _____

Organization: _____

Address for Correspondence: _____

E-mail: _____

Mobile No: _____

Payment Details: _____

Amount: _____ DDNo: _____ Date: _____

Name of the Bank: _____

Place:

Date: _____ Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr / Ms / Dr _____

is an faculty/student of our Institute and is hereby sponsored. He/She will be permitted to attend the workshop for the entire day, if selected.

Signature of the Sponsoring Authority

Place:

Date: _____ Office Seal

HOW TO APPLY

The registration fee for the workshop is Rs. 500 (includes lunch and snacks) for all section of people to participate in the workshop. The number of participant are limited and based on first come first serve basis. Interested participants are requested to send the filled-in registration form to the address mentioned below. Photocopies of the form may be used. Registration fee will be accepted by demand draft drawn in favour of "INTRONIX" Payable at Puducherry. The completed registration forms should be sent to us by post before 29-12-2016. Write the Name of the participant and college at the back side of the DD. No TA/DA will be provided. On line registration is also available www.pec.edu.

IMPORTANT DATES

Last date for receipt of filled in application	29.12.2016
Intimation of selection through e-mail	30.12.2016
Confirmation by participant through e-mail	02.01.2017

FOR DETAILS CONTACT

Dr.D.Sindhanaiselvi – 9444202881

Mr.A.Pratheesh – 09787301551

Ms.Marie Joan Syndhya – 8903950705

Email: memsworkshopeie@gmail.com

ADDRESS FOR COMMUNICATION

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Assistant Professor,
Department of Electronics and
Instrumentation Engineering,
Pondicherry Engineering College,
Pillichavady, Puducherry - 605014

HIGHLIGHTS OF THE WORKSHOP

- IntelliSuite Architecture
- MEMS Design Methodology in IntelliSuite.
- Case Studies.
- Micro Fabrication CMOS & MEMS Process Simulation
- Simulations based on Thermal, Electrical and Mechanical and coupled.
- Simulations - Microfluidics/BioMEMS and RF MEMS
- Micromachining Simulation - Wet & Dry Etching
- MEMS Devices - Fabrication

RESOURCE PERSONS

From IntelliSense Software Pvt Ltd

DATE AND VENUE

- Date : 06th January 2017
- Venue : ECE Seminar Hall

TARGET PARTICIPANTS

- III,IV -Year Under Graduate Engineering Students (Any Discipline)
- I,II Year Post Graduate Engineering Students (Any Discipline)
- Faculty Members of Engineering Institute.(Any Discipline)
- Research Scholars working in the MEMS Area