

About the Workshop

Arduino is open-source, electronic rapid prototyping platform based on flexible, easy-to-use hardware and software. It is intended for artists, designers, hobbyists, and anyone interested in creating interactive objects or environments. Arduino can sense the environment by receiving input from a variety of sensors and can affect its surroundings by controlling lights, motors, and other actuators. The microcontroller on the board is programmed using the Arduino programming language (based on Wiring) and the Arduino Development environment (based on Processing). Arduino projects can be stand-alone, or they can communicate with software running on a computer.

Course Content

– Introduction to Microcontroller – Fundamentals of Embedded C – Types of Arduino Boards – Arduino Hardware & IDE – Interfacing Analog & Digital I/O – Sensor & Serial interfacing (ex: RTD, LCD, Motor, Buzzer etc.) – Mini Project

Who can Apply

Only Polytechnic Students are eligible to apply for this workshop.

Registration

- ✓ No registration fee
- ✓ Participants will be provided with tea and snacks.
- ✓ Certificates will be issued by National Engineering College for all the participants.

Selection Process

Only thirty seats are available for this workshop. Participants will be selected based on first come first serve.

Important Dates

Last date to Apply December 05, 2018

Intimation of selection December 07, 2018

How to Apply

Please apply for the workshop through the following url given below.

Apply

<https://goo.gl/yml97z>

or

www.nec.edu.in

or



One Day Hands-on Workshop

on

Build Your Project Ideas

(Make things Smarter)

15th December 2018

organised by



Estd : 1984

National Engineering College

(An Autonomous Institution)

K.R.Nagar, Kovilpatti - 628503

Department of Electronics and
Instrumentation Engineering



Course Co-ordinators

Mr.N.Chermakani AP/EIE

Mr.N.Mohamed Athil AP/EIE

Mr.R.Raghul AP/EIE

National Engineering College

National Engineering College (NEC) , located on NH-7 is one among the several educational and philanthropic institutions, instituted by renowned philanthropist and industrialist Kalvi Thanthai Thiru.K.Ramasamy in the year 1984. NEC, a prestigious institute in Tamilnadu is an Autonomous Institute Affiliated to Anna University , Chennai and it is approved by AICTE, New Delhi. From its inception itself, NEC is very much keen on imparting the cutting edge technical education to the students from the rural areas. College offers seven undergraduate degree programme, six post graduate degree programmes and Doctoral programmes in engineering, science and technology. NEC has signed MoU with many industries and research organisation and Accredited by NAAC, New Delhi for five years. Also, Institution of Engineers(India), Kolkata accredited all the UG courses.

For more details, visit <http://www.nec.edu.in>

About Department

- ★ Established in the year 1994, Accredited by NBA Tier - I, New Delhi and Institution of Engineers (India), Kolkata.
- ★ Offers B.E. Electronics and Instrumentation Engineering and M.E. Control and Instrumentation Engineering.
- ★ The Department is recognized by Anna University, Chennai as Research Centre - supported by 17 Qualified faculty members among them 6 holds doctoral degree and 6 were pursuing Ph.D.

- ★ Two funded research projects worth Rs.36 Lakhs from BRNS - IGCAR, ICMR were completed.
- ★ Measurements and Instrumentation laboratory was upgraded through AICTE (MODROBS) scheme for Rs. 6 Lakhs Our department is equipped with smart class rooms.
- ★ MSME has sanctioned Rs. 5 Lakhs for a business incubatee – project and two student batches were developed products worth of Rs. 5 Lakhs in New-Gen IEDC, Under the Financial Support of NST-EDB, DST, Govt. of India, New Delhi.
- ★ State - of - the - Art facilities: MATLAB (Campus License), NI LabVIEW, NI Elvis II+, Yokogawa DCS, Siemens PLC, UV Spectro Photometer, RMS physiograph and industrial multi variable process station.
- ★ Non-Destructive Testing (NDT) research laboratory, COMSOL 4.3a Modeling and simulation software, with sophisticated instruments.
- ★ Our department alumni have proven records in the following companies IGCAR, KKNPP, Emerson, Yokogawa, Sterlite, Saipem India, Wipro, Tessolve Semiconductor, Data Patterns etc.
- ★ Student of Electronics & Instrumentation Engg Dept. represents India in DAAD & DWIH, Germany for his innovative product Coconut Qualifier.
- ★ Students received funds and recognition for their projects from TNSCST, INAE, Falling Walls, Alumni Association(NEC), etc.
- ★ Three patents were filed for innovative projects/products during this academic year.

Organizing Committee

Chief Patron	Thiru.K.Ramasamy Chairman
Patron	Thiru.K.R.Arunachalam Managing Committee Member
Co-Patron	Dr.Kn.K.S.K.Chokkalingam Director
Chair Person	Dr.S.Shanmugavel Principal
Convenor	Prof.Jackson Daniel Asso.Prof & Head
Co-ordinators	Mr.N.Chermakani, AP/EIE Mr.N.Mohamed Athil, AP/EIE Mr.R.Raghul, AP/EIE

Resource Person

Student Trainers	Mr.I.Ganapathy Raman, EIE Mr.S.Arjune, EIE
Faculty Trainers	Mr.Chermakani, AP/EIE Mr.N.Mohamed Athil,AP/EIE Mr.R.Raghul,AP/EIE

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