Department of Electronics & Communication is celebrating ***International Arduino Day, 2019*** on **Tuesday, 12th March, 2019 and Wednesday, 13th March, 2019** between 10.30 a.m. to 5.30 p.m. with two different workshops, “**Arduino for Beginners**” and “**IOT with Arduino**”.

Arduino is one of the leading open source ecosystems. A very popular tool for developing micro-controller based systems, an excellent STEM (Science, Technology, Engineering, Mathematics) / STEAM (Science, Technology, Engineering, Arts, Mathematics) education. Also very user friendly to learn and understand.

The IOT is a system of interrelated computing devices, objects, animals or people that are provided with unique identifiers & the ability to transfer data over a network.

 The workshop will help students from various disciplines to enhance the theoretical as well as practical knowledge in the field of Embedded Systems.

**All the Students of B.E. / M. E.  (All the branches), can participate in the workshop.**

The details and brief agenda of the workshops are—

***Arduino for Beginners*                                                           *IOT with Arduino***

Tuesday, March 12,  10:30am                                                 Wednesday, March 13,  10:30am

**Link for registration:                                                             Link for registration:**

[**http://goo.gl/bYo887**](http://goo.gl/bYo887)[**http://goo.gl/EuMyDi**](http://goo.gl/EuMyDi)

**Content:                                                                         Content:**

1. Introduction to Arduino boards                                1. Introduction to IOT

2. Introduction to Arduino programming                     2. IOT Architecture

3. Interfacing fundamentals                                          3. Introduction to ESP8266 and NodeMCU

4. Various Sensors.                                                       4. Programming of NodeMCU

5. Workshop/Hands on session                                    5. Sensors Interfacing

              6. Iot server

  7. Telegram BOT on NodeMC

**For any query please contact:**

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