

oneM2M Internet of Things Workshop

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Thu 4/11/2019 9:55 PM

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Greetings Campus Junta!!

This is a reminder for the oneM2M Internet of Things workshop by European Union. Although some of the students have not received the mail from ICTStandards, ALL the students who registered before 31st March are eligible to attend the workshop. Also, on several requests, we have opened on-spot registrations for the event, but they will be subject to availability and will be on the basis of first come first serve.

Date: 13th April

Time: 9:30 AM onwards

Venue: Conference Hall 2

Please find the schedule and details of the event in the link below:

<http://www.indiaeu-ictstandards.in/developers-tutorial-and-hackathon-april-2019/onem2m-tutorial-at-iit-guwahati/>

Important - Software requirements for the oneM2M Workshop:

1. Eclipse OM2M binaries - (<https://bit.ly/2v1l666>)
Java Runtime Environment **8 or higher** is needed to to run **OM2M**.
Java Development Kit is not necessary unless you want to develop the IoT application in Java, or hack **OM2M** to modify it.
2. Some given examples of IoT apps will be written in Node.js
Install the latest version of **Node.js** - (<https://nodejs.org/en/download/>)
3. To develop for the **NodeMCU** device, two options:
 - a. Download a pre-configured portable **Arduino IDE** for Windows (with the necessary libraries and examples) (<https://bit.ly/2X4BSOM>)
 - b. Download **Arduino IDE** (<https://www.arduino.cc/en/Main/Software>) and then setup **Arduino IDE** for **NodeMCU** (<https://bit.ly/2Z5eja9>)
4. **Postman** tool for testing the REST API (<https://www.getpostman.com/downloads/>)
Bonus: You can start practicing with this OM2M tutorial on REST API:
(https://wiki.eclipse.org/OM2M/one/REST_API)

It will be better if you keep these requirements ready on your systems before the event to avoid hassle. You only need to bring your PCs as you will be provided with the devices on the day of the event for a hands-on experience with OM2M.