



# Amirkabir University of Technology (Tehran Polytechnic)



## Workshop on Internet of Things (IoT)

<b>Title</b>	Internet of Things (IoT)
<b>Duration</b>	30 hrs. (5 Days)
<b>Name and position of instructor</b>	Dr. Mehdi Rasti (Assistant Professor, Department of Computer Engineering and Information Technology, Amirkabir University of Technology, Tehran, Iran)
<b>Holding place</b>	Department of Computer Engineering and Information Technology, Amirkabir University of Technology, Tehran, Iran
<b>Holding time</b>	Around January-February, 2020
<b>Price</b>	750\$

■ **Aims & objectives:** Internet of Things (IoT) finds its application in industries that prefer automation, energy efficient systems, smart devices etc. Even reports state that more than 50 Billion devices will be connected with IoT by 2020. But, learning IoT is not very simple, as the system works on complex procedures and modules. The best way to learn IoT is by building projects and learning while doing it.

Row	Outline and syllabus	Duration
1	Introduction to the course	3 hrs. (day 1)
2	What is the internet of things?	3 hrs. (day 1)
3	IoT business and products	3 hrs. (day 2)
4	IoT architecture and technologies: layers, cloud computing, and hardware technologies	3 hrs. (day 2)
5	IoT services and applications	3 hrs. (day 3)
6	Security, privacy, and trust in IoT	3 hrs. (day 3)
7	Networking and communication protocols	3 hrs. (day 4)
8	Platform: Cloud companies, data storage, and processing	3 hrs. (day 4)
9	Basic Electronics in IoT	3 hrs. (day 5)
10	Getting started with Arduino and Raspberry Pi	3 hrs. (day 5)

### ■ Registration method

Applicants should initially register at [kish.aut.ac.ir](http://kish.aut.ac.ir) (**short-courses menu**) and upload their scans in good quality. After registration, the tracking code is allocated to the applicant, which must be stored and provided to the University's affiliate. Applicants should definitely choose the option (**Short-course on Internet of Things (IoT)**) in registration process. After registering, University will contact them and set the final time, location and way of tuition fee payment.

### ■ Contact us

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