



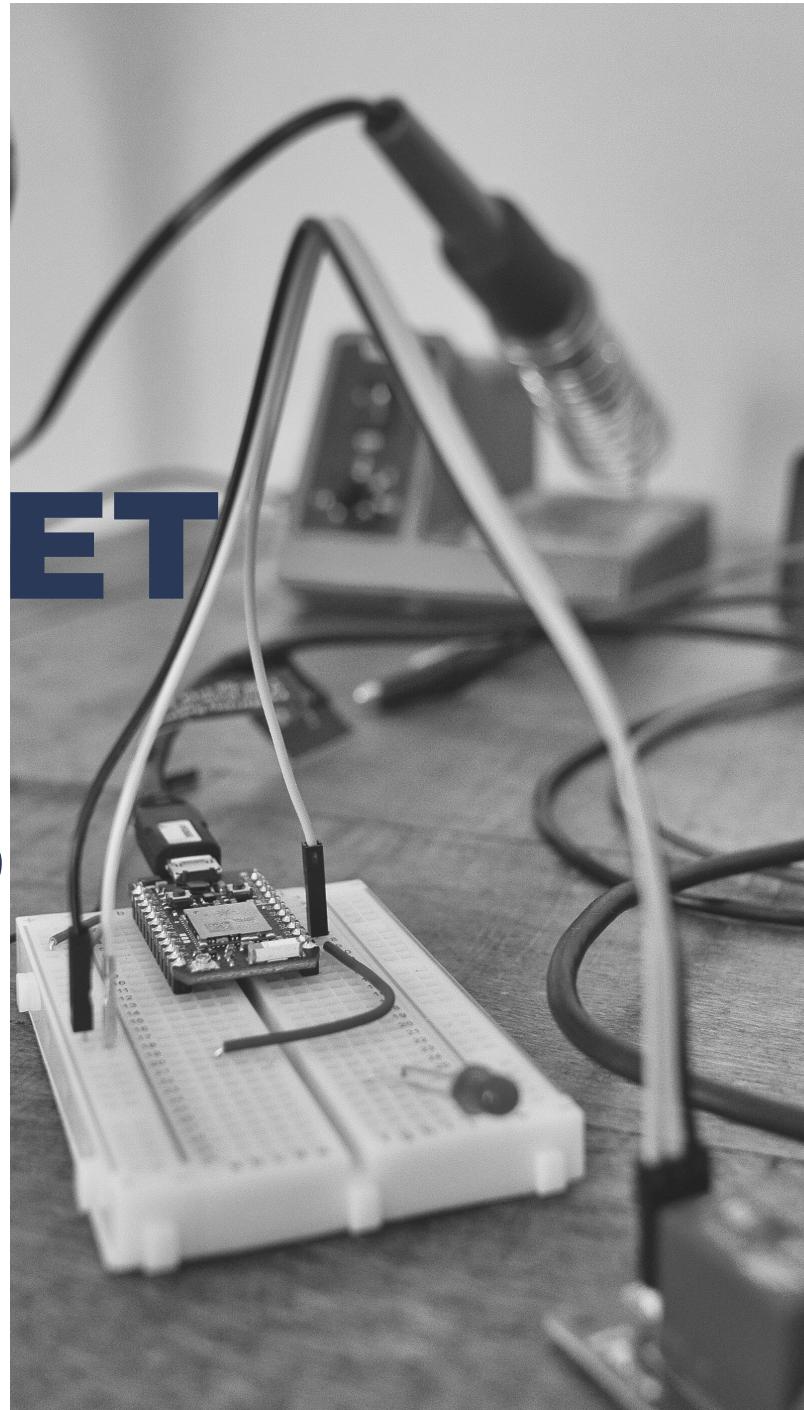
**STEMDUNIYA** presents

# INTERNET OF THINGS

LIVE PERSONALIZED CLASSES  
& VIRTUAL MAKEATHON

**SESSION HOURS:**  
**1-1.5 HOURS DAILY**

Learn from beginning to  
professional level



## **REMINDER:**

- 15 Days Professional boot-camp
- Limited Seats available

Our experts assure knowing of each topic to learners

Call +91 6297-357-195 or  
visit [stemduniya.com/learn](http://stemduniya.com/learn) to  
schedule your seat.

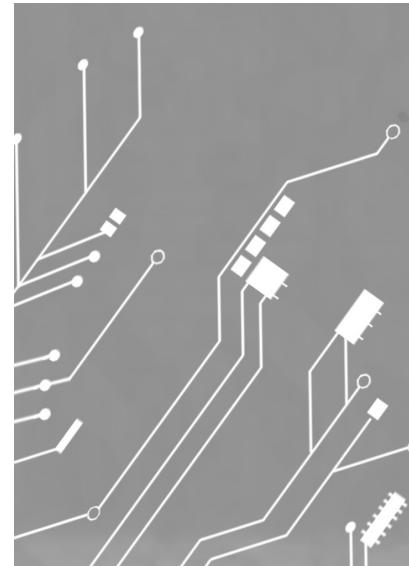
**MAXIMIZE YOUR LEARNING WITH  
OUR PERSONALIZED SESSIONS**

# INTERNET OF THINGS



## PROGRAM PREREQUISITES:

- Basic Familiarity of Arduino programming
- Basic understanding of programming
- Basic information on circuits.
- Basic understanding of electronics
- **Most important** -  
*Willingness & humility to learn*



## LEARNING UPSHOTS:

- Basic IoT protocols & hardware
- Basics of server-side programming like PHP
- Advanced Arduino
- How to do over the air(OTA) updates in your IoT project.
- Basics of the development board
- Basics of HTTP client
- All-round industrial level IoT
- Basic of HTML CSS & Java-Script used for IoT development.
- About Domain and web hosting.

Talk to our experts for any query

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## COURSE CONTENT

- **Hardware** Introduction & **Development Environment**  
Introduction.
- Basic block diagram & understanding of the whole cyber-physical system.
- Basics of web-hosting and cloud server creation.
- How to make PHP API FROM SCRATCH and test the API.
- IoT protocols and how to connect cloud server to hardware
- Sending sensor data to have a database.
- Showing the sensor data from the database to front-end gauge.
- How to create buttons and control things from your interface.
- How to update the code of the IoT projects remotely (OTA: Over The Air Programming).

**Spillover:** topics last not covered, will incorporate in this concourse.

- Doubt session

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## TIMELINES

- Enrollment open for course till **August 15**
- Hardware delivered to your place by **August 25**
- Course commencement by **September 1**
- Course Completion by **September 15**
- The competition commences by September after the course finishes: **September 15**
- Competition submission closing day: **September 27**
- Winners announcement and awards dispatched by **October 2**  
Gandhi Jayanti

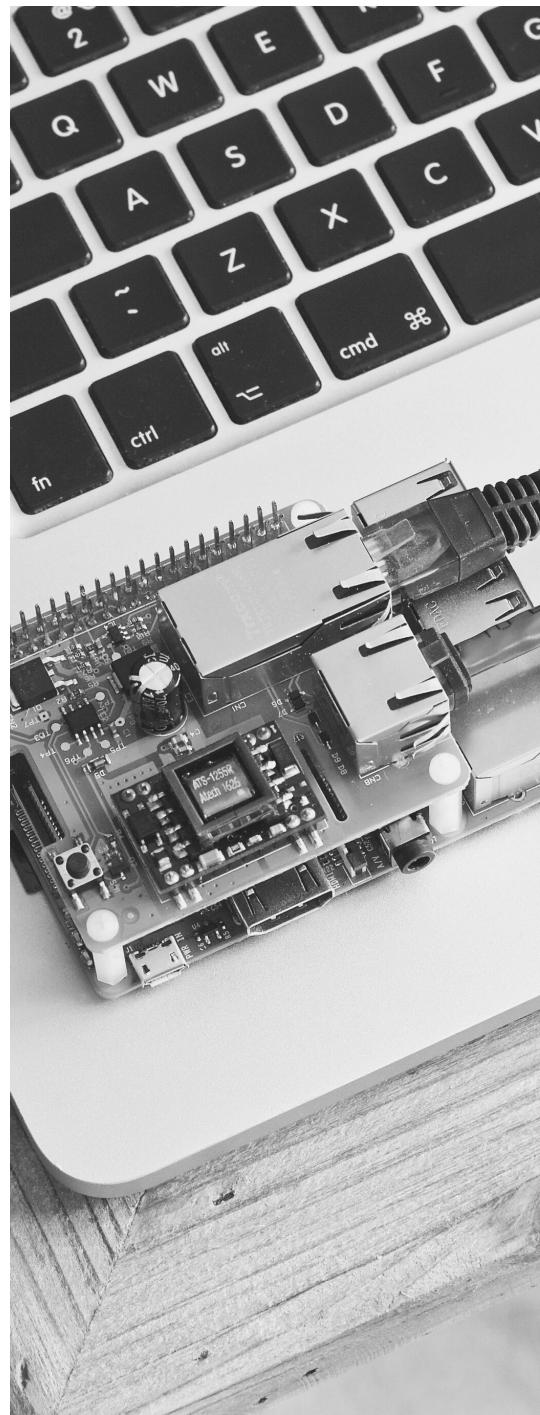
## PRICING AND OFFER

- Total of 10-15 classes  
(Hardware kit worth **Rs.800** included in price)
- First **20** registrations @ **Rs.1499**
- After that  
Group registration (group of 4) @ **Rs.1499** per person  
Individual enrollment @ **Rs.1799** per person

Hurry Up  
Limited Seats  
Available!

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