

+91-8319540920
info@upsys.in
UPSYS IT & Marketing Solutions
upsys.in



The Concerned Authorities

Dated: Sep 02, 2024

SUSHILA DEVI BANSAL COLLEGE, INDORE

Subject: IoT Workshop proposal

Sir/Madam,

On behalf of “UPSYS IT & Marketing Solutions” Indore, the Technical Department would like to conduct a workshop at your prestigious institution. It will be open to all the interested students at your institution.

In the workshop, students will gain awareness about the latest technologies and corporate techniques prevailing in the corporate world. Along with technical stuff various tools like Arduino, ESP8266 and ESP32, different kinds of sensors and actuators, different cloud platforms, different communication brokers, and other environments that help us develop good IoT products. We will also provide tips to the students on “interview skills” and “personality development skills”. Along with it, we will do some case studies to solve real-life problems using IoT.

During the workshop, the developers of the company will discuss the day-to-day programming logics they face during product development. The workshop will be highly interactive and will promote new technologies.

We hope this workshop will benefit the students of your institution and enable them to stand up high in the corporate world. An early reply would be much appreciated.

Thanking you,

UPSYS, Indore

<https://www.upsys.in/>

WORKSHOP CONDUCTION:

Firstly, in a workshop, a wealth of knowledge is usually presented by many speakers at one time in one place, which, in turn, provides a lot of "learning" at one clip, with most material compressed into two- or three-days' worth of time. And UPSYS is always dedicated to conducting workshops in advanced and latest fields.



Mission and Objectives (including benefits to participants and the university)

During this workshop, participants will:

- ✓ Broaden their definition of technology.
- ✓ Get an overview of the chosen topic.
- ✓ Learn about practical implementations and real-life scenarios.
- ✓ How to work on a project with team

Our mission is to follow a philosophy of continuous process improvement. Equate customers' success with our team. We believe that people and technologies are the keys to success, and high-quality, innovative, and reliable product is delivered on time. To prepare the students to fight the world, and script it in their way, and get out their hidden talents.

Eligibility criteria of participants:

B.Tech, M.Tech, BCA, MCA, Bsc [IT/CS], Msc [IT/CS]

Content for 5 Days Workshop

5 DAYS WORKSHOP & 3HRS PER DAY			
	90 Minutes [1 st Half]		90 Minutes [2 nd Half]
		BREAK for 10	
DAY-1	Fundamentals of IoT, IoT World Forum		M2M applications & communication
DAY-2	IoT Architecture, Ecosystem of IoT		Arduino microcontroller
DAY-3	Sensors		Actuators
DAY-4	Arduino IDE		Case Study
DAY-5	Sample Project		CONCLUSION

Content for 10 Days Workshop

10 DAYS WORKSHOP & 3HRS PER DAY			
	90 Minutes [1 st Half]		90 Minutes [2 nd Half]
		BREAK for 10 minutes	
DAY-1	Fundamentals of IoT, IoT World Forum		M2M applications & communication
DAY-2	IoT Architecture, Ecosystem of IoT		IoT Design Methodologies
DAY-3	Sensors		Sensors
DAY-4	Actuators		Arduino microcontroller
DAY-5	Arduino IDE		ESP8266 & ESP32
DAY-6	Field Visit		Field Visit
DAY-7	Case Study		Group Discussion
DAY-8	Programming microcontroller		Programming microcontroller
DAY-9	Prototype Development		Prototype Development
DAY-10	Prototype Development		CONCLUSION

Content for 15 Days Workshop

15 DAYS WORKSHOP & 3HRS PER DAY			
	90 Minutes [1 st Half]		90 Minutes [2 nd Half]
DAY-1	Fundamentals of IoT, IoT World Forum		M2M applications & communication
DAY-2	IoT Architecture, Ecosystem of IoT		IoT Design Methodologies
DAY-3	Sensors		Sensors
DAY-4	Actuators		Arduino microcontroller
DAY-5	Arduino IDE		ESP8266 & ESP32
DAY-6	Field Visit		Field Visit
DAY-7	Third party broker [MQTT, IFTTT, etc.]		Case Study
DAY-8	Programming microcontroller		Programming microcontroller
DAY-9	Case Study		Group Discussion
DAY-10	Case Study		Firebase & Sheets
DAY-11	ThinkSpeak & Blynk IoT		Product Development
DAY-12	Case Study		PPT Presentation
DAY-13	Product Development		Product Development
DAY-14	Product Development		Product Development
DAY-15	Report Submission		CONCLUSION

SERVICES REQUIRED:

1. Workshop room equipped with the LCD projector.
2. All the required modules for IoT product development.
3. During the workshop, the advancements regarding all the above-mentioned technologies will be discussed.
4. UPSYS will take responsibility for the query handling. Also, we will provide the maximum possible help regarding any technology.

TIME DURATION:

3 hours per day.

Charges and time duration for each workshop based on different technologies:

No. of Students	15 Days Workshop
<100	800/hr

**The above pricing includes the fees of the technical mentor & technical assistant.*

OUR PREVIOUS ORGANIZED EVENTS:

1. 20 Days Workshop at International Institute of Professional Studies, DAVV, Indore, Madhya Pradesh
2. 20 Days Workshop at Deen Dayal Upadhyay Kaushal Kendra, DAVV, Indore, Madhya Pradesh
3. 5 Days Workshop at School of computer science and IT, DAVV, Indore, Madhya Pradesh
4. 3 Days Seminar at AKS University, Satna, Madhya Pradesh in collaboration with Computer Society of India, Jabalpur