



+ ABOUT

Ever wondered what it means for us to be connected to the internet 24/7, not only through our mobile phones, but through our cars, our cloths, our factory machines, our restaurant tables, etc. We will learn about how this trend, Internet of Things, is possible, and what are the basics of this condition in this workshop.

COURSE DURATION:

2 Days Face to Face OR
4 Days Online

CERTIFICATION:

Certificate of Attendance

TIME:

20 hours



WHY CHOOSE US:

Symbios Digital is a leading organization in digitalization, hosting experience in multiple related domains such as Industry 4.0, IOT, Digital transformation, Analytics.

Our instructors have multiple years of experience and years of implementation.

OUTLINE

- > Definition of IoT.
- > History of IoT.
- > IoT gross rate and statistics and its future.
- > Benefits of IoT in actual life.
- > Value chain VS Mobile application value chain.
- > IoT system architecture.
- > Industrial Internet of Things (IIoT).
- > Introduction to TCP/IP stack.
- > Application layer protocols
- > IoT boards.
- > ESP family and NodeMCU development board.
- > Arduino IDE.
- > Using IoT to create a 'Smart plug' using HTTP App. Protocol.
- > Memory Optimizing.
- > Making it accessible all over the World
- > Using IoT to create a 'Smart plug' using MQTT App. Protocol.
- > IIoT Example and system design.

SCAN FOR



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WHO SHOULD ATTEND:

- > Industry 4.0 Enthusiast
- > Plant Engineers
- > Plant Managers
- > Information, communication, technology Roles

WHAT PEOPLE SAY ABOUT US

"I would like to extend my appreciation for the tremendous efforts which had been carried out by Eng. Ali and Eng. Yosry. They provided us with a lot of help and support through our journey. Moreover, Kudos to Dr. Mohamed for sharing his knowledge and experience. Finally, I would like to thank Shereen for giving me the chance to enjoy the experience and learn a lot in the field of operational excellence.

"I am looking forward to learning more about business skills in my career so I was recommended by some friends to come and take data analytics practitioner course in Symbios consulting. I was a little bit afraid that most of the course will be covered in a theoretical way but actually we have used many up to date practical programs that helped us to visualize our data, Different apps with different usages and different techniques."

"The DAP course has many instructors with different scientific degrees, consultants, doctors in universities... etc and different scientific background, this was very helpful to me and they helped me in my decision to shift career to BI. So Symbios Consulting is a very good place to take DAP course, and I badly recommend it."

PAST ATTENDEES

