Certified IoT Foundation

Gain a solid foundation in the transformative world of the Internet of Things (IoT) with the GSDC Certified IoT Foundation.

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ABOUT CERTIFICATION

Internet of Things certification validates your expertise in key IoT concepts, architectures, protocols, and security considerations, empowering you to excel in this rapidly evolving field.

As organizations worldwide harness the potential of IoT to drive innovation and efficiency, the value of IoT certification has never been higher.By earning the Certified IoT Foundation credential, you position yourself as a sought-after professional capable of leveraging IoT technology to deliver tangible results.

Stay ahead of the curve and unlock exciting career opportunities with the GSDC Certified IoT Foundation, your gateway to success in the IoT landscape.

OBJECTIVES

1. Explore IoT connectivity and communication technologies.
2. Develop expertise in IoT data analytics and visualization.
3. Understand the integration of hardware and software.
4. Learn to design and implement IoT solutions.
5. Gain insights into IoT deployment and scalability.
6. Become adept at addressing IoT privacy and ethical concerns.
7. Stand out as a trusted IoT professional in the industry.
8. Contribute to the advancement of IoT technologies globally.

Our Accreditation:

COURSE SYLLABUS

1.IOT Introduction & Concepts:
- Introduction: Internet, Things and IoT
- IoT Types, History and Evolution of IoT
- IoE, M2M, and Cyber-Physical Systems classifications
- IoT Facts and Figures Around IoT Application Areas

2.Basic Building Block of IoT - Architecture:
- IOT Drivers
- Benefits for Business
- IoT Business: Opportunities, Benefits, and Challenges
- IoT Monetization Strategies and Models

3.Big Data - Privacy & Ethics:
- Architecture of IoT components
- Network Components Within IoT
- Explain the basic building blocks of IoT including
- Sensors, processors, gateways, and applications.
- Sensors and actuators.
- Relate to generic factor of sensors.
- Architectural layers of IoT.
- Working of IoT.
- Key requirements of IoT network.
- Communication technologies used in IoT including Wi-Fi, Bluetooth,
- Near Field Communication (NFC), ZigBee.
- Smart environment application and service domains.

4.Enabling Technologies of IoT:
- Social Media and Mobility in IoT
- Big Data and Analytics in IoT
- Cloud Computing in IoT

5. IoT Security and Top Governance Issues:
- IoT Security Challenges
- Causes of IoT Security Breaches
- IoT Security Risks

GSDC Technical Advisory Board :

The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information

Target Audience

- Software Engineers
- Application Developers
- IT Architects
- System Administrators
- Technical Support Specialists

Pre-requisites

There are no prerequisites for Certified IoT Foundation. Only the participants should definitely be familiar with cloud concepts and vocabulary.

Find out more online at
www.gsdcouncil.org