Course Name: Introduction to Internet of Things

About Course   **Certificate Type**   **Toppers list**   **Statistics**

Feedbacks

Prof Sudip Misra

Course abstract

Internet of Things (IoT) is presently a hot technology worldwide. Government, academia, and industry are involved in different aspects of research, implementation, and business with IoT. IoT cuts across different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT. Today it is possible to envision pervasive connectivity, storage, and computation, which, in turn, gives rise to building different IoT solutions. IoT-based applications such as innovative shopping system, infrastructure management in both urban and rural areas, remote health monitoring and emergency notification systems, and transportation systems, are gradually relying on IoT based systems. Therefore, it is very important to learn the fundamentals of this emerging technology.

Course Instructor

Prof. Sudip Misra

Dr. Sudip Misra is an Associate Professor in the Department of Computer Science and Engineering at the Indian Institute of Technology Kharagpur. Prior to this he was associated with Cornell University (USA), Yale University (USA), Nortel Networks

Media Object

(Canada) and the Government of Ontario (Canada). He received his Ph.D. degree in Computer Science from Carleton University, in Ottawa, Canada. He has several years of experience working in the academia, government, and the private sectors in research, teaching, consulting, project management, architecture, software design and product engineering roles.

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Teaching Assistant(s)

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🕐 Course Duration : Jul-Oct 2018

📖 View Course (http://archive.nptel.ac.in/courses/106/105/106105166/)

▣ Enrollment : 18-Apr-2018 to 30-Jun-2018

✎ Exam registration : 25-Jun-2018 to 18-Sep-2018

✎ Exam Date : 28-Oct-2018

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Department: Information Technology

2018-2019

REPORT

NPTEL on Introduction to Internet of Things

Date of program: Jul-Oct 2018

Resource person: Prof. Sudip Misra, Associate Professor, Dept of CSE , IIT Kharagpur

About the Program:

This program has help to get an overview of internet of things and how data is received through sensors and processed. Process of building different IoT solutions to different problems. Applications of IoT in healthcare, e-governance, transportation etc. This program has given practical knowledge of building IoT systems and testing them and would help us in iot lab experiments.

Signature of the Faculty member

V. Sutha Bhargavi

D. Vandana