

- No Registration Fee
- Do register using the following link:  
<https://tinyurl.com/nhce-sttp>
- Participation Certification will be issued to all the active participants on completion of feedback and assessments.
- Please do register for any one phase of the STTP
- Selection is on FCFS basis
- Last Date for Registration: 19.09.2020
- Intimation of Selected Candidates : 20.09.2020

- Teaching and Technical staff from AICTE approved Engineering Colleges
- Industry professionals
- Research Scholars

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**Department of  
Information Science and Engineering**

Presents

AICTE Sponsored 6 Days Short Term  
Training Programme on

**Internet of Things (IoT)  
and its Applications**

**21<sup>st</sup> September – 26<sup>th</sup> September 2020  
(Phase - I)**

**28<sup>th</sup> September – 3<sup>rd</sup> October 2020  
(Phase – II)**

In Association with  
Visvesvaraya Technological University,  
Belagavi

[www.newhorizonindia.edu](http://www.newhorizonindia.edu)

## About college:

New Horizon College of Engineering is an Autonomous college affiliated to Visvesvaraya Technological University (VTU), approved by the All India Council for Technical Education (AICTE) & University Grants Commission (UGC). It is accredited by NAAC with 'A' grade & National Board of Accreditation (NBA). New Horizon college of Engineering is located in the heart of the IT capital of India, Bangalore. The college campus is situated in the IT corridor of Bangalore surrounded by MNCs and IT giants.

NHCE has a scenic and serene campus that provides an environment which is conducive for personal and intellectual growth. The infrastructure acts as a facilitator for the effective delivery of the curriculum. NHCE boasts of state-of-the-art facilities for its students. They are given utmost encouragement in their areas of interest by providing hi-tech facilities backed by faculty support.

## Recent Accolades:

▪ NHCE has secured All India Rank: 6th-25th (Band "A") in ARIIA Ranking for the year 2020.

▪ New Horizon College of Engineering has been Ranked 114 amongst the Top Engineering Colleges across India, as per the NIRF 2020 Rankings, announced by MHRD, Govt.of India.

▪ Honored with the distinguished **"EXCELLENCE IN PROVIDING PREFERRED ENVIRONMENT FOR CAMPUS PLACEMENTS"** award.

## About Department:

Information science and Engineering department focuses on current Information Technology trends, and Domain Specific Applications. The Department was established in the year of 2001 and offers graduate, post graduate and PhD programs. The four year B.E degree equip the students to meet day- to- day Technological advancements of the ever dynamic IT field through adept training on various subjects of curriculum of Information Science and engineering and beyond. The department offers B.E program through autonomous scheme from the year 2015. The department has a total intake of over 380 students with a very good team of highly qualified and talented faculty members including Professors, Associate Professors and Assistant Professors.

Information Science and Engineering course at New Horizon College of Engineering is designed to meet industry standard and cope up with the emerging technology. There is a great emphasis on holistic learning to help the students to make significant contributions at all levels and to meet the expectations of stakeholders.

The department is well known for its research excellence in various competitive areas of Information Science. Students are made to involve vigorously in research activities. The department provides industry collaborated courses for the students.

## M.Tech

The department of Information Science and Engineering also offers 2 year M.Tech in Cyber Forensics and Information Security

## Accreditation:



## STTP outcome:

- 1.To Understand IoT concepts, underlying technologies and migration of M2M to IoT.
- 2.To Analyze the various features of IoT standard protocols and platforms
- 3.To Understand cloud platforms and interface IoT with cloud platforms.
- 4.To Understand the interface concepts with networks
- 5.To Design and develop real world IoT application.

## Program Contents :

Day	Content
1	Arduino Software Introduction, Arduino Uno Introduction, Actuators Interfacing Part - 1
2	Actuators Interfacing Part – 2, Sensors Interfacing Part – 1, Sensors Interfacing Part - 2
3	NodeMCU Programming, Internet of Things and its Applications
4	Raspberry pi OS Installation, Sensors Interfacing with Rpi, Actuators Interfacing with Rpi
5	SQLite on Raspberry pi Projects, Artificial Intelligence in IoT, An Overview of IoT Hardware Circuit Design using Tinkercad Online simulation tool
6	Security and Privacy in Internet of Things, Assessment

Detailed schedule will be shared with shortlisted participants