

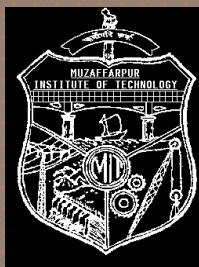
**TEQIP-III SPONSORED**

**WORKSHOP**

**on**

**CISCO-IT Essentials &  
CCNA Course and e-  
Yantra**

**Organized By**



**Department  
of**

**Electronics and Communication Engineering  
&  
Information Technology**

**Muzaffarpur Institute of Technology  
Muzaffarpur – 842003**

**Date: 08<sup>th</sup> January – 12<sup>th</sup> January 2020**

**Venue: Super I-way Lab**

## **ABOUT THE COLLEGE**

### **Muzaffarpur Institute of Technology Muzaffarpur**

Muzaffarpur Institute of Technology came into existence on 25th September 1954, just seven years after independence of India. The institute is under administrative control of Department of Science and Technology, Government of Bihar. MIT Muzaffarpur is an AICTE approved institution and affiliated to Aryabhatta Knowledge University, Patna.

The Institute is located at the north-west corner of the Muzaffarpur city along Muzaffarpur – Motihari road, spread over an area of 55 acres at a distance of about 4 Km from Muzaffarpur junction. The institute is flanked by the holy river “Boorhi Gandak” on north, a quite big water reservoir on the east, Muzaffarpur – Motihari road on south and local road network on west.

#### **COURSE INCLUDES:**

- ❖ IT Essentials (PC hardware and software)
- ❖ PC components and assembly (Hands on using Xampp software)
- ❖ Troubleshooting and networking concept
- ❖ Device configuration, address scheme, IP address and its configurations, interfaces, and port.
- ❖ Building network and configuring CISCO router (Hands-on through Packet Tracer)

- ❖ Introduction to FIREBIRD-V, robotics research platform, input output buzzer programming, motion control and velocity control, LCD interfacing.

#### **WHO CAN ATTEND?**

Students of B.Tech., faculty, and staff of different departments.

#### **RESOURCE PERSON**

##### **Mr. Govind Kumar Jha**

Assistant Professor, Department of CSE  
Bhagalpur College of Engineering, Bhagalpur

##### **Mr. Akhilesh Kumar**

Assistant Professor, Department of CSE  
Darbhanga College of Engineering, Darbhanga

##### **Mr. Mohammad Aknan**

Assistant Professor, Department of CSE  
Sitamarhi Institute of Technology, Sitamarhi

##### **Mr. Mohit Kumar**

Assistant Professor, Department of ECE  
Muzaffarpur Institute of Technology, Muzaffarpur

#### **GENERAL INSTRUCTIONS**

- ❖ A certificate of participation will be given to all.
- ❖ There are limited seats. The participants will be selected on “First-Come-First-Served” basis.

#### **HOW TO APPLY?**

Participants are required to fill the Google form to register.

Faculty: ([https://docs.google.com/forms/d/e/1FAIpQLSfhYyVZsjteJRqd32Nxdlx\\_NS-w-PPWUHCYc0OGdgJQIWJ9hg/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSfhYyVZsjteJRqd32Nxdlx_NS-w-PPWUHCYc0OGdgJQIWJ9hg/viewform?usp=pp_url))

Students: ([https://docs.google.com/forms/d/e/1FAIpQLSdsZolFBirV-XyD5ttVoxfw25QTsV738sg-BycxUxyLxrKOA/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSdsZolFBirV-XyD5ttVoxfw25QTsV738sg-BycxUxyLxrKOA/viewform?usp=pp_url))

## IMPORTANT DATES

Date: 08<sup>th</sup> Jan. 2020 – 12<sup>th</sup> Jan. 2020

VENUE: Super I-way Lab

Patron-in Chief	<b>Dr. J. N. Jha</b> Principal, MIT Muzaffarpur
Patron	<b>Mr. Ashish Kumar</b> Assistant Prof. Dept. of Civil & TEQIP-III Coordinator

## COORDINATORS

**Mr. Umar Farooque**

Assistant Professor  
Department of ECE

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Assistant Professor  
Department of IT

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**Mr. Shadab Rabbani**

Assistant Professor  
Department of ECE

**Mr. Mohit Kumar**

Assistant Professor  
Department of ECE

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For queries please contact:

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+91-8521868702

## APPLICATION FOR REGISTRATION

Application for 5-day Workshop on  
“CISCO-IT Essentials & CCNA Course and e-  
Yantra”

08<sup>th</sup> January – 12<sup>th</sup> January 2020

Name.....

Department.....

Organization.....

Address for Correspondence  
.....  
.....

E-mail:  
.....

Phone/Mobile:  
.....

Date.....

Place.....

Signature of Applicant

Signature of principal/Head of Department

## TEQIP-III SPONSORED

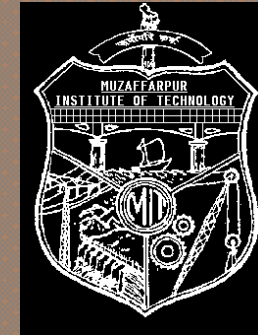
### Workshop

on

“CISCO-IT Essentials & CCNA Course and e-  
Yantra”

08<sup>th</sup> January – 12<sup>th</sup> January 2020

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[www.mitmuzaffarpur.org](http://www.mitmuzaffarpur.org)

[www.facebook.com/mitmuzaffarpur](https://www.facebook.com/mitmuzaffarpur)

Link to register:

Faculty: ([https://docs.google.com/forms/d/e/1FAIpQLSfhYyVZsiteiRad32Nxdix\\_NS-w-PPWUHCyc0OGdgJQIWJ9hg/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSfhYyVZsiteiRad32Nxdix_NS-w-PPWUHCyc0OGdgJQIWJ9hg/viewform?usp=pp_url))

Students: ([https://docs.google.com/forms/d/e/1FAIpQLSdsZolfBirV-XyD5ttVoxfw25QtsV738sg-BycxUxyLxrrKOA/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSdsZolfBirV-XyD5ttVoxfw25QtsV738sg-BycxUxyLxrrKOA/viewform?usp=pp_url))

Workshop on: “CISCO IT Essentials & CCNA Course and e-Yantra”

Organized By: Department of ECE and Department of Information Technology, MIT Muzaffarpur

Sponsored By: TEQIP-III

### Workshop Schedule

Date	Session 1 (10:00AM-11:00 AM)		Session 2 (11:15AM-12:45PM)		Session 3 (1:45PM-3:15PM)		Session 4 (3:30PM-5:00PM)
08.01.2020	Inauguration	Tea Break (11:00AM-11:15 AM)	An overview of IT Essentials (H/W and S/W) Course	Lunch (12:45PM-1:45PM)	PC Components and assembly, Advanced Computer Hardware	Tea Break (3:15PM-3:30PM)	Troubleshooting and Networking, PC Components & Assembly on XAMPP.
09.01.2020	Explore the Network(LAN,WAN, Internet,Intranet), Network Components		Configuring Network OS, CISCO IOS and Command Structure, Device Configuration, Address Scheme, IP address and its Configurations, Interfaces, and Port		Building a Simple Network (Hands-on through Packet Tracer)		Network Protocols & Communications, Protocol Suite,Reference Model(OSI & TCP/IP)
10.01.2020	Network Access,Ethernet, Network Layer,		Routing, Routers, Configuring a CISCO Router (Hands-on through Packet Tracer)		IP Addressing, IPv4 and IPv6 Network Addressing, Connectivity & Verification		Subnetting IP Networks, Subnetting an IP v4 Network, Subnetting an IPv6 Networkusing Packet Tracer
11.01.2020	Transport Layer Protocol, TCP and UDP, TCP connection and Termination Process, Observing DNS server and FTP		Aplication Layer and its Protocol, DHCP and its operations, DHCP and DNS Server, NAT, Build a Small Network Performance (Hands-on through Packet Tracer )		Introduction to FIREBIRD-V, Robotics research platform		Input output buzzer programming
12.01.2020	Motion control and velocity control		LCD interfacing		Valedictory		