

## HIT Workshop Details

### Tentative Schedule

<b><i>Workshop Topic</i></b>	<b><i>Date</i></b>	<b><i>Timing</i></b>
<b>Ethical Hacking</b>	25 <sup>th</sup> March (Saturday)	Batch #1: 10.00 AM – 01.30 PM
		Batch #2: 02.30 PM – 06.00 PM
<b>Python Programming</b>	1 <sup>st</sup> April (Saturday)	10.00 AM – 01.30 PM
<b>Machine Learning</b>	1 <sup>st</sup> April (Saturday)	02.30 PM – 06.00 PM
<b>Web Design (HTML, CSS, Bootstrap)</b>	1 <sup>st</sup> April (Saturday)	10.00 AM – 01.30 PM
<b>Internet of Things (IOT)</b>	1 <sup>st</sup> April (Saturday)	02.30 PM – 06.00 PM

Workshop Registration Fee: **Rs. 99/- for each Workshop**

**Free Food Coupon worth Rs. 100/- if a student register for 3 Workshops.**

## Workshop on Ethical Hacking

Suitable for: 1<sup>st</sup> Year / 2<sup>nd</sup> Year / 3<sup>rd</sup> Year / 4<sup>th</sup> Year B.Tech. / MCA students

**Workshop Duration:** 3.30 hrs

### Topic Coverage:

- Introduction to Ethical Hacking & Penetration Testing
- Overview of Cyber Law (Indian IT ACT)
- Information Gathering
- Reverse Shell & Blind Shell
- System Hacking or Exploitation
- Trojan and Its Security
- Social Engineering- Social Site Hacking and its Security
- Email Tracing
- Web Application Hacking via SQL Injection
- Android Mobile Phone Security

### Benefits to Participants:

- All the Participants will get a **Participation Certificate** (ISO 9001:2015 certified), which will boost their CV.
- Opportunity to earn **Mandatory Additional Requirements (MAR) Points**.

**Registration Fee:** Rs. 99/-

### Trainer's Profile:

- Name: Kumar Saurav
- Certified Ethical Hacker
- Present Company: Caterpillar, Bangalore
- Position: Software Engineer – Cyber Security
- Total Experience: 8 Years
- Linkedin Profile: <https://www.linkedin.com/in/kumar-saurav-1b12276b/>

## Workshop on Python Programming

Suitable for: 1<sup>st</sup> Year / 2<sup>nd</sup> Year / 3<sup>rd</sup> Year / 4<sup>th</sup> Year B.Tech. / MCA students

**Workshop Duration:** 3.30 hrs

**Topic Coverage:**

- Python Introduction
- Python Installation
- Basics of Python
- Loops and Operators
- Data Structure in Python
- Functions in Python
- Modules in Python

**Benefits to Participants:**

- All the Participants will get a **Participation Certificate** (ISO 9001:2015 certified), which will boost their CV.
- Opportunity to earn **Mandatory Additional Requirements (MAR) Points**.

**Registration Fee:** Rs. 99/-

**Trainer's Profile:**

- Name: Akash Munshi
- Chief Technical Officer at Durbin Technologies Pvt Ltd
- Chief Technical Officer at Quinch Systems
- Total Experience: 5 Years
- Linkedin Profile: <https://www.linkedin.com/in/akash-munshi/>

## Workshop on Machine Learning

Suitable for: 1<sup>st</sup> Year / 2<sup>nd</sup> Year / 3<sup>rd</sup> Year / 4<sup>th</sup> Year B.Tech. / MCA students

**Workshop Duration:** 3.30 hrs

**Topic Coverage:**

- Introduction to Machine Learning and Data Analytics
- Real Life Applications
- Setting up the tools
- Numpy Arrays
- Supervised Learning
- K nearest neighbour
- Linear Regression
- Logistic Regression
- Real Life Project- Make a Hand-Writing Classifier

**Benefits to Participants:**

- All the Participants will get a **Participation Certificate** (ISO 9001:2015 certified), which will boost their CV.
- Opportunity to earn **Mandatory Additional Requirements (MAR) Points**.

**Registration Fee:** Rs. 99/-

**Trainer's Profile:**

- Name: Akash Munshi
- Chief Technical Officer at Durbin Technologies Pvt Ltd
- Chief Technical Officer at Quinch Systems
- Total Experience: 5 Years
- Linkedin Profile: <https://www.linkedin.com/in/akash-munshi/>

## **Workshop on Web Design (HTML, CSS, Bootstrap)**

Suitable for: 1<sup>st</sup> Year / 2<sup>nd</sup> Year / 3<sup>rd</sup> Year / 4<sup>th</sup> Year B.Tech. / MCA students

**Workshop Duration:** 3.30 hrs

### **Topic Coverage:**

- Introduction to Web Design
- HTML
- CSS (Cascading Style Sheets)
- More on CSS
- Designing our Web Page
- Introduction to Bootstrap
- Designing our Web Page using Bootstrap

### **Benefits to Participants:**

- All the Participants will get a **Participation Certificate** (ISO 9001:2015 certified), which will boost their CV.
- Opportunity to earn **Mandatory Additional Requirements (MAR) Points**.

**Registration Fee:** Rs. 99/-

### **Trainer's Profile:**

- Name: Tunir Saha
- Present Company: IBM, Kolkata
- Position: Senior System Analyst
- Total Experience: 9 Years
- Linkedin Profile: <https://www.linkedin.com/in/tunirsaha/>

## **Workshop on IOT (Internet of Things)**

Suitable for: 1<sup>st</sup> Year / 2<sup>nd</sup> Year / 3<sup>rd</sup> Year / 4<sup>th</sup> Year B.Tech. / MCA students

**Workshop Duration:** 3.30 hrs

### **Topic Coverage:**

- Introduction to IoT concepts
- Understanding data flow in IoT
- Brief introduction to Arduino programming
- Introduction to NodeMCU
- Using NodeMCU to receive data from Internet for Automation
- Live IoT Automation Demonstration- Using a Website to automate LEDs connected to a NodeMCU

### **Benefits to Participants:**

- All the Participants will get a **Participation Certificate** (ISO 9001:2015 certified), which will boost their CV.
- Opportunity to earn **Mandatory Additional Requirements (MAR) Points**.

**Registration Fee:** Rs. 99/-

### **Trainer's Profile:**

- Name: Tunir Saha
- Present Company: IBM, Kolkata
- Position: Senior System Analyst
- Total Experience: 9 Years
- Linkedin Profile: <https://www.linkedin.com/in/tunirsaha/>