

## MANTHAN – 2020

### Proposed Events:

<b>Cyber War</b>	<b>Computer Application</b>	<b>General</b>	<b>Non-competition</b>
Online CTF	Code X	Gaming challenge (PUBG)	Game of Encryption
WebApp Pentesting	Web Diseno (aka Web Designing)	Typethon	Shuffle Truffle
		Tech Quiz (aka IT QUIZ)	Cyber Crime Scene Expo
		Poster Presentation	
		Technovation (aka Innovative Idea Pitching)	

## **Event -1**

### **Online CTF**

“Come ...Hack...Conquer”

The Cyber Security competition CTF (Capture the Flag), is designed for challenging participants to solve or capture computer security problems and defend computer systems. The mixed Jeopardy, Attack-Defense are the basic types.

#### **❖ Rules of CTF**

- Team Size: Up to 3 participants
- Denial of service is strictly prohibited
- Brute-forcing the Flag is not allowed
- Clues will be given in direct/indirect form in our discord App /Manthan-2020 channel
- Duration: 24 hrs
- Registration Fees: 200/- per participant
- Prize: 15000/-

*\*The prize will be shared among the winners*

## **Event - 2**

### **Web Pentesting**

“Hack and become an Admin”

The main objective of penetration testing is to identify security weaknesses in web application. In today's emerging internet era information security is core requirement. Web Pentesting competition encourages participants to dig-out security weaknesses of Web Applications.

#### **❖ Rules of Web Pentesting:**

- Team Size: Up to 3 Participants
- Denial of service is strictly prohibited
- Brute-forcing is not allowed
- The guide-lines of the tools will be provided during the event

- Duration: 3 hrs
- Registration Fees: 200/- per participant
- Prize: 5000/-

\*The prize will be shared among the winners.

### **Event - 3**

#### **CodeX**

“Code like beast”

The CodeX is the Programming challenges in which participants have to develop code for some real time problem with miscellaneous challenges, using the provided programming language of their choice.

##### **❖ Rules of CodeX:**

- Team Size: Only 1
- Participants have to solve some real time problems using coding.
- Guide-lines with miscellaneous challenges will be provided at the day of event
- Participants can use C, C++ or JAVA language.
- Duration: 3 hrs
- Registration Fees: 200/-
- Prize: 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trophy

### **Event - 4**

#### **Web Diseno (aka Web Designing)**

Web Diseno is the Web Design competition. It is about honoring excellence in the web profession and also empowering the creative, technically proficient web professionals.

##### **❖ Rules of Web Diseno:**

- Team Size: Only 1
- Allowed to use HTML, CSS, jQuery, Javascript.
- Participants cannot use any CMS or any IDE tools

- Participants can bring their own laptop
- Additional instructions will be provided at the day of event
- Duration: 3 hrs
- Registration Fees: 200/- per participant
- Prize: 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trophy

## **Event - 5**

### **Gamming Challenge (PUBG)**

The team work is an essential requirement nowadays. The PUBG is a popular game that develops team work virtues in participants, from various regions collaborate together and lead their team to win the challenge.

- Using of bot is prohibited
- Mod pubg apk will be disqualified (no hack version)
- Participants can play in teams (Maximum 3 members) / individual
- Participants have to follow the guidance of event coordinators
- Two winners will be selected; First who has highest killing rating and Second winner of tournament
- Registration Fees: 200/- per participant
- Prize: 1<sup>st</sup>, 2<sup>nd</sup> Trophy

## **Event - 6**

### **Typethon**

“Make your Fingers Fast”

The typing competition **Typethon** will explore the speed and accuracy of typing skills. They can challenge their typing skills to other competitors.

#### **❖ Rules of Typethon:**

- Fast typing challenge with accuracy.
- All guide-lines will be provided during event
- Registration Fees: 200/-

- Prize: Winner Trophy

## **Event - 7**

### **Tech Quiz**

“Unlocking knowledge at the speed of thoughts”

The **Tech Quiz** is called as a mind sport, where the players attempt to answer technical questions correctly, in order to win the prize.

#### **❖ Rules of Tech Quiz:**

- Team Size: 3 Participants
- Written test for screening the team.
- Four rounds: (1) MCQ (2) Rapid Fire (3) Buzzer (4) Audio/Visual
- Duration: 2 hrs
- Registration Fees: 200/- per participant
- Prize: 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trophy

## **Event - 8**

### **Poster Presentation**

The **poster presentation** is a way to communicate the research or understanding of a topic in a short and concise format which includes two elements, the first is a poster and the second is a brief explanation of the same. The limitation of the text is about one-fourth of the poster space, and use "visuals" (Graphs, Photographs, Schematics, Maps etc.) to present your ideas.

#### **Rules of Poster presentation:**

- Participants have to make poster in advance
- Topic: Computer Science and Technology based on Research and Innovation
- Team Size: Up to 2 Participants
- Poster Size: Must be mounted on a 1mtr x 1mtr board paper
- Banner displaying: Your name, Department (Affiliated University) & title of poster should be mentioned at top-center of the poster.

- Registration Fees: 200/- per participant
- Prize: 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trophy

## **Event - 9**

### **Technovation**

The objective of the event is to provide a platform to identify the young and rising minds who would be promoted through proper encouragement and motivation. The creativity is an attempt to inculcate and strengthen the values of research in the young generation.

#### **❖ Rules of Technovation:**

- Team Size: 2 participants
- Participants can submit any creative, innovative and feasible idea (concept)
- Idea should not be violated of any intellectual property rights.
- Presentation will be limited up to 15 slides only.
- Working model of your idea will have an additional weightage.
- Registration Fees: 200/- per participant
- Prize: 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trophy

## **IT Cookies for Mind Refreshment**

### **Event - 1**

#### **Game of Encryption**

- Participants have to solve encrypted problems
- Task will be assigned to find secret messages in the image
- Participants have to crack the code to achieve the goal
- No registration fees

## **Event - 2**

### **Shuffle Truffle**

- Fun tech event with funny challenges
- Participants have to complete the task in computer lab premises
- No registration fees

## **Event - 3**

### **Cyber Crime Scene Expo**

The main objective of cybercrime scene expo is to familiar the visitors about cybercrime terminologies / concepts such as hacking, phishing, spamming and so on. The cybercrime investigations are responsible for "securing" digital evidence at the "scene" (the location) of a cybercrime.

- The scenario describing the cybercrime investigation is the key attraction of cybercrime scene expo.
- Viewers will have live demonstration for cybercrime investigation.
- No registration fees