Report of

Seminar on Cyber Security & Cyber Crime Awareness

Under the aegis of Post Graduate Research Centre
For Cyber Security

Organized by

GUJARAT TECHNOLOGICAL UNIVERSITY

In association with

Shankersinh Vaghela Bapu Institute of Technology
(SVBIT)

&

Gandhinagar Institute of Technology (GIT)

Date & Venue:

12th April, 2016 at Shankersinh Vaghela Bapu Institute of Technology

13th April, 2016 at Gandhinagar Institute of Technology
Introduction:

India is leader in supplying software that controls the critical infrastructure and businesses throughout the world. The internet connects people, systems and galaxy of networks and an effort is required to protect digital systems from online threats as we defend our bodies from illness.

With the visionary guidance of our honorable Vice Chancellor Dr. Akshai Aggrawal PG research center of cyber security organized workshop on cyber security and Cybercrime awareness by Mr. Varun Kapoor who is an Inspector General of Police of Madhya Pradesh Cadre and is of the 1991 batch on 31st August and 1st September-2015 at Gujarat Technological University, Ahmedabad. He is presently posted as Director (IGP) of Police Radio Training School (PRTS) at Indore. Under his leadership, the PRTS has organized “THE BLUE PALM” initiative. They train officers from 22 different police forces of the country; officers of Central Para Military Forces like the CRPF, BSF, ITBP, SSB, RPF, CISF and officers of the Indian Army too. Shri Kapoor has also organized “BLACK RIBBON INITIATIVE”, a cyber-security awareness program. Under this he has organized 108 workshops across the country and made over 20,000 school students, college youths, general citizens, government employees aware regarding the dangers of unsafe cyber use.

According to ASSOCHEM survey, the number of cybercrimes in India may touch a giant figure of 3,00,000 at the end of the year 2015, which is almost double to the level of last year. This is happening due to lack of awareness and care. This was discussed at Cyber Security & Cyber Crime Awareness Workshop.

Shri Kapoor has designed, developed and executed the highly successful and appreciated “black ribbon initiative". This is a cyber security awareness outreach program. Under this it was his 145th workshop in SVBIT. "Sankalp" which known as college cyber awareness campaign. Under this campaign Shri Kapoor told us about the various crimes happening in cyber world among the teenagers. He also lightened the students by the safety and security tips to be a good and safe user of this cyber world. Shri Kapoor covered various areas like what is cyber world? What are the known and unknown risks of cyber world? How to be safe in cyber world? He also shared some interesting facts and figure regarding the cyber world.

Mr. Kapoor told that future trends are really worrisome. Modus operandi of cybercrime accused is changing at every three months. This is the biggest challenge for police as well as public. To fight this, we have to create awareness and have to change mindset of public for security & safety. He gave five mantras to remain safe against cybercrime: Avoid shortcut, avoid greed. There is no shortcut in getting better job or winning lottery. Think before you act. Get full knowledge and maximum info while doing transactions. Do not put blind faith on unknown
persons. The citizens of all types in this country need to be sensitized about the dangers involved in unregulated and insecure use of the cyber space and also need to be made aware regarding the safe and secure ways of using technology, gadgets and internet. This will ensure that the use of cyber space and the virtual world is for the benefit of all and not in a manner which harms self and others.

**Topics cover by Mr. Varun Kapoor on Cyber Security & Cyber Crime awareness on the day of workshop.**

- How to avoid spoofed mail
- Identify fake sites
- How to utilize secure cyber space
- Crime committed using a computer
- Crime committed using an electronic device
- Cases of Data recovery
- CYBER TERRORISM Sec 66F IT Act
- CYBER PORNOGRAPHY Sec 67, 67A, 67B IT Act
- CYBER SPYING Sec 66E IT Act
- CYBER STALKING Sec 354D IPC
- SOCIAL MEDIA CRIME

Mr. Varun Kapoor also brief about some Cyber Laws and Cyber Acts with actual cases reported.

**Cyber Spying:**

**Section 66-A Punishment for sending offensive messages**

Any person who sends, by means of a computer resource or a communication device,-

a) Any information that is grossly offensive or has menacing character; or

b) Any information which he knows to be false, but for the purpose of causing

Annoyance, inconvenience, danger, obstruction, insult, injury, criminal intimidation, enmity, hatred, or ill will, persistently makes by making use of such computer resource or a communication device,

   c) any electronic mail or electronic mail message for the purpose of causing annoyance or inconvenience or to deceive or to mislead the addressee or recipient about the origin of such messages (Inserted vide ITAA 2008) shall be punishable with imprisonment for a term which may extend to three years and with fine.

**Section 66-E. Punishment for violation of privacy**
Whoever, intentionally or knowingly captures, publishes or transmits the image of a private area of any person without his or her consent, under circumstances violating the privacy of that person, shall be punished with imprisonment which may extend to three years or with fine not exceeding two lakh rupees, or with both.

Cyber Pornography:

Section 67. Punishment for publishing or transmitting obscene material in electronic form

Whoever publishes or transmits or causes to be published or transmitted in the electronic form, any material which is lascivious or appeals to the prurient interest or if its effect is such as to tend to deprave and corrupt persons who are likely, having regard to all relevant circumstances, to read, see or hear the matter contained or embodied in it, shall be punished on first conviction with imprisonment of either description for a term which may extend to three years and with fine which may extend to five lakh rupees and in the event of a second or subsequent conviction with imprisonment of either description for a term which may extend to five years and also with fine which may extend to ten lakh rupees.

Section 67-A. Punishment for publishing or transmitting of material containing sexually explicit act, etc. in electronic form

Whoever publishes or transmits or causes to be published or transmitted in the electronic form any material which contains sexually explicit act or conduct shall be punished on first conviction with imprisonment of either description for a term which may extend to five years and with fine which may extend to ten lakh rupees and in the event of second or subsequent conviction with imprisonment of either description for a term which may extend to seven years and also with fine which may extend to ten lakh rupees.

Section 67-B. Punishment for publishing or transmitting of material depicting children in sexually explicit act etc. in electronic form

Whoever,-
(a) Publishes or transmits or causes to be published or transmitted material in any electronic form which depicts children engaged in sexually explicit act or conduct; or
(b) Creates text or digital images, collects, seeks, browses, downloads, advertises, promotes, exchanges or distributes material in any electronic form depicting children in obscene or indecent or sexually explicit manner; or
(c) Cultivates, entices or induces children to online relationship with one or more children for and on sexually explicit act or in a manner that may offend a reasonable adult on the computer resource; or
(d) Facilitates abusing children online; or
(e) Records in any electronic form own abuse or that of others pertaining to sexually explicit act with children,

**Following IT Act covered by Experts**

- **Defamation** – 499 IPC
- **Abusive Language** – 294 IPC
- **Indecent Representation of Women’s Act**
- **Threatening Life** – 506 IPC
- **Insulting Modesty of Women** – 509 IPC
- **Hurting Religious Sentiments** – 153 (A) IPC

Workshop end with tireless efforts of expert in spreading cyber security awareness among students and Faculty members. After a very fruitful and interactive session of 3 hrs photos session was arranged.
FEEDBACK FROM PARTICIPANTS:

1. Prof. Ankit Shah.
"It was a wonderful session delivered by Mr. Varun Kapoor. Certainly I as a faculty believe that Cyber Awareness Campaign is very important to make people aware about the cyber law and crime to make secure them."

2. Prof Ruchi Gupata
"I really liked the seminar; the content of it was informative."

3. Chitttaranjan Kumar (Student)
"Seminar was really amazing, and we need more seminar like this."

4. Keswani Kamal (Student)
"The Seminar was really very good and very powerful learns a lot of by cyber security from this seminar"

5. Amritta Raval (Student)
"After attending this seminar, we know more about cyber security. How to secure in the virtual world. It is so nice experience. We request that please organized this type of seminar again.

Other Activity done by University PG Research Center on Cyber Security

3. Report of Workshop on 1. WEB APPLICATION VULNERABILITIES by: Dr. DEEPAK SINGH TOMAR Department of Computer Science & Engineering M.A. National Institute of Technology, Bhopal 2. SECURITY ISSUES IN WIRELESS NETWORKS by: Dr. Vrinda Tokekar Professor & Head, Department of Information Technology Institute of Engineering & Technology Devi Ahilya Vishwavidyalaya, Indore on 27th March 2015 at http://gtu.ac.in/circulars/15Apr/06042015.pdf
4. Invitation, dt 13th April 2015, to join the Research Group Google Hangout Meeting of the Cyber Security Research Group on 17th April 2015; The Group has 123 Members consisting of Faculty Members and researchers in the area of Cyber Security http://www.gtu.ac.in/circulars/15Apr/13042015_06.pdf
8. REPORT: Seminar on Intrusion Detection for Hypervisor- Based Cloud Computing Infrastructure by Dr. Rajeev Agrawal at GTU, Chandkheda http://files.gtu.ac.in/circulars/15DEC/09122015_01.pdf