

GUJARAT TECHNOLOGICAL UNIVERSITY

Faculty Development Program:

Combating Cyber Crimes and Creating a Safe Web Space

GTU CMAI Seminar on

Combating Cyber_Crimes and Creating a Safe Web Space

Revised Date: 22nd November, 2013

Venue: GTU Conference Room, Chandkheda, Ahmadabad

Nominations are invited from Colleges, affiliated with GTU, for the full-day seminar.

Register online at

<https://docs.google.com/forms/d/1clUK6agvbZxesopA2mUvXfRf2A0aDvJEeMms1e05SIY/viewform>

From each college, the Chairman/Director, H.O.D. of Computer Engg, H.O.D. of IT and up to two Professors, interested in the area, can send their nominations. Only 250 participants, on first-come-first-serve basis will be registered.

Target Delegates

Those, who want to train their young students to become **Cyber Warriors- Ethical Hackers**.

Proposed Agenda

10.00-11.00 AM	– Registration
11.00 AM	– Inaugural Program with eminent speakers (Shri NK Goyal, President CMAI, GESIA and Industry Leader, Gujarat Law Enforcement Agency, Mr Saket Modi, CEO, Lucideus Tech and Dr. Akshai Aggarwal, VC, GTU
14.30 PM	- Web Space and Internet cyber attacks in past
14.45 PM	- Ethical Hacking to combat the Cyber Threats
15.45 PM	- Practical demonstration by expert
16.00 PM	- Security as a career option in India & Gujarat
16.30 PM	- Questions and Answers
16.50 PM	- Summing Up and Vote of thanks by Sh Kirit Joshi, Director, CMAI
17.00 PM	- Closing of Seminar

Seminar Deliverables/Objectives

1. In depth discussions from academic and cyber world for awareness and need for capacity building, training of teachers, development of curriculum for cyber warriors/ethical hacking for certificate diploma and degree courses.
2. The Seminar will present the insight of the new world of cybercrime and cyber warfare.
3. Seminar will also include live demonstration of security risks on cell phone, emails, social media, web sites etc. and way forward to protect the same. The seminar brings awareness and practical experience/demonstration of mobile/web/email risk/weaknesses (commonly called hacking) and causes of the breach.

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4. The Seminar will also inform the delegates some of little steps and precautions that can be taken to safeguard ourselves from majority of attacks.
5. Recommendations for initiation of courses and curriculum for safe cyber use of web space.

INTRODUCTION:

Internet and mobile computing has changed the way we live and work. It has also brought associated risks of cyber attacks, phishing, spam, malware, viruses, hacking, data theft, identity theft etc. With Cyber crime now reaching epidemic proportions, there is a need for development and training of cyber experts or Cyber Warriors, who have skills and techniques that will assist to combat potential crime and protect their organization's information.

The demands for skilled experts are huge. The Government has set target of training 5, 00,000 cyber warriors within two years.

The U.S. military's Cyber Command is due to quadruple in size by 2015 with 4,000 new personnel while Britain announced a new Joint Cyber Reserve last month. From Brazil to Indonesia, similar forces have been set up.

In 2012, McAfee Labs identified at least 850 separate bits of ready-to-download malware hosted on computers in India. In the first quarter of 2013, the number had jumped to 1,100. India is ranked eighth in the world in terms of number of attacks originating here, a report by Akamai Technologies in May said.

A graduate with a good command over Cyber Security area can walk into a \$100,000 salary with a similar amount upfront as a golden handshake, several times what the U.S. National Security Agency would be likely to offer.

Those who have "very good" skills in this most-needed areas can earn \$110,000 to \$140,000, while the very top experts can get paid as much as \$200,000 in private sector jobs. While the private sector offers big cash, the government is still able to retain some talent by appealing to people's sense of public service and patriotism.

About CMAI:

CMAI Association of India is the largest ICT Association with 48,500 members and 54 MOU partners worldwide. CMAI is broad based including mobile, telecom, equipments, IT, infrastructure, Multimedia, Infrastructure, SME's, Radiation, E-Waste, Aviation, Education etc. CMAI is actively engaged for strategic co ordination between Education Institutes and Industry for employability and curriculum up gradation. CMAI is represented on the board of several educational institutes. CMAI was made chairman of the vocational educational qualification framework committee for ICT by MOHRD along with AICTE and co-coordinator for other sectors. CMAI is also actively engaged in skill development and vocational programs for Educational Institutes.

This is CMAI initiative in Cyber security/Ethical Hacking/Safe Internet Usages. CMAI has on Board several experts in this field,

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Resource Persons:

1. CMAI Board Director and President NK Goyal
2. Mr Saket Modi, as Technical Expert: Mr. Modi is twenty-two year old, young CEO and Co-founder of Lucideus- Securing Cyber Space, a leading cyber security company in India which has worked with 4 out of 5 top global e-commerce Companies, 4 out of 10 top IT companies in the world, and 3 out of 5 top banks of the Asia Pacific. They are expert Cyber Analysts who lay bare before you the concealed faces of World Wide Web. The objective is to inculcate a knowledge-based culture of safe and secure use of web-spaces, eliminating the disruptions of business and life. They have been imparting training to IIT; Govt. of India departments, Various Police Departments etc. They impart certified ethical hacking training also.
3. Representative of CERT-IN, Government of India, Department of Electronics and IT
4. Industry Leaders from ICT.
5. In charge of Cyber Cell of Gujarat State Police Departments
6. Representative from AICTE, UGC, MHRD, Industry Associations, GESIA

Supporters for the Seminar

AICTE, Telecom Associations, MHA, UGC, Department of Telecom, Department of Electronics and IT, Law enforcement Agencies