**Seminar on Cyber Security by Team of Riphah International University**

**on April 21, 2016**

**Recorded & Prepared By: Salman Mir, R&D Officer**

Meeting starts with the recitation of the Holy Quran.

**Muhammad Sarfraz Butt** (Senior Vice President),

* Welcomed the honorable guests **Dr. Saad Zafar** and **Mr. Khurram Javed** on their visit to Sialkot Chamber of Commerce & Industry.
* He invited Dr. Saad Zafar to share his views about Cyber Security.

**Dr. Saad Zafar**,

* He thanked Muhammad Sarfraz Butt, SVP, Syed Ahtasham Mazhar, VP, Mr. Abid Ahmad Khawaja, Chairman Cyber Crime Committee and other participants of the meeting for their warm welcome and hospitality. “It is hard to define cyber space, it is a notion where all the internet world is connect, interact and transact. It is not a physical thing that we can see and feel” he said. He also said that there were a lot of internet users all over the world and the number was increasing day by day.
* He said that the purpose of the seminar was that where there is an opportunity to grow there is also a threat of cybercrimes because of the undefined territory of internet users. Furthermore, he informed that there are 1.6 Billion losses cybercrimes in U.S.
* He also informed the house that reported data breaches in 2015 through cybercrime is 66 in number and till February 2016 reported breaches are 93, in which big companies are involved like e-bay, U.S Military, etc.
* He said that it has also been observed that criminals used sophisticated software to executive their plans. He said that these criminals are involved in financial matters, information stealing, online internet funds transfer and e-mail hack (Phishing).
* In the end, Dr. Saad Zafar thanked all the participants of the meeting and appreciated the efforts of Sialkot Business Community for their initiatives like, SIAL, Air-SIAL, etc.

**Mr. Khuram Javed,**

* He thanked all the participants of the meeting and introduce himself as Certified Ethical Hacker (CEH) and shared his views on technical aspects. Following points were noted from his presentation:
  + Password is the first step for protection. Many people use one password for long time or use simple password with numbers only, like 123. Such users are highly vulnerable.
  + Monitoring network traffic to someone else’s computer known as “sniffing”. Passwords sent in plain-text (no SSL or other encryption) can be discovered in this way.
  + Use a long password of nine (9) characters or more, containing a mix of different character types – letters (upper and lower case), numbers, punctuation marks, etc. it will be harder to guess, brute-force, or to observe by shoulder surfing.
  + Don’t use a password for long time, change your password regularly.
  + Don’t use a password containing information about you, such as birthday, favorite movie, etc. that someone who knows you could guess.
  + Look out for “shoulder surfers” when typing your password, much as you would do when typing your PIN number at an ATM.
  + Use different passwords for different systems. For systems requiring extra security, such as email or financial websites, use a complex password that is not used to assess other systems.
  + When logging into websites, email or other services, check for a secure login option.
  + Avoid phishing which is a social engineering technique where a scammer devices victims by tricking to another self-created page by the hacker, with the same shape of original Facebook page. Victims are asked to re-login and so the ID and password are captured. Keep in view that once you are logged in, Facebook will never ask you to login again. User can escape from this trap, by seeing the URL of that page carefully and type the complete URL in the web browser.
  + Always use sophisticated equipment for your business.
  + Register your domain on a good server and hire professional web developers.
  + Avoid 3rd Party email addresses like Gmail, Hotmail, Yahoo, etc.

In answer to a question from member, he said that malware are very harmful for the systems even the latest paid anti-virus could not stop this. He suggested to the member that for this purpose expertise of a professional are required because other could not help you out in the subject matter.

Meeting ends with the vote of thanks to the honorable guest.

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**Approved By: Muhammad Sarfraz Butt, Senior Vice President**