Overview

In today's highly-interconnected digital environment, attackers are regularly wreaking havoc on software, network infrastructure and hardware that were designed without security as a primary concern. Data science includes data mining, machine learning, natural language processing and statistics. Security analytics is the adaptation of techniques from data science for security challenges such as phishing/spear-phishing, intrusion and malware prevention and detection. It has proven to be helpful in analyzing, preventing and detecting many security attacks.

This course will cover the fundamentals of computer security and data science techniques applicable to security challenges. It aims at building in confidence and capability amongst the participants in mapping the security challenges to the analytical framework and applying security analytics tools and techniques. It will be useful for those interested in security and/or in the use of data sciences in security. The participants will learn these topics through lectures and hands-on lab sessions.

Who Can Attend

• Executives, engineers and researchers from IT, service and government organizations including R&D laboratories who are interested in security and/or in the use of data sciences in security.
• Faculty members and Students (Sr. B.Tech / M.Sc / M.Tech / PhD) from academic/technical institutions who are interested in security and/or in the use of data sciences in security.

Course Fee

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<tr>
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<th>Early Bird Registration</th>
<th>After 30th Nov</th>
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<tbody>
<tr>
<td>Academic Institutions (Faculty)</td>
<td>₹ 4000</td>
<td>₹ 4500</td>
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<tr>
<td>Industry/R&amp;D Organizations</td>
<td>₹ 5000</td>
<td>₹ 5500</td>
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<tr>
<td>Students (UG/PG/PhD)</td>
<td>₹ 2500</td>
<td>₹ 3000</td>
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<tr>
<td>Participants from Abroad</td>
<td>US $ 200</td>
<td>US $ 250</td>
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The fee includes instruction material, computer usage for tutorials and assignments, and internet facility. Accommodation available on payment basis (around ₹ 100 per day and this can be paid later after visiting IIT).

How to Apply

Step 0 (For those who had not registered earlier on the GIAN website):
One time web registration at GIAN portal by making a payment of ₹ 500. GIAN portal - http://www.gian.iitkgp.ac.in/GREGN/register

Step 1: Login at http://www.gian.iitkgp.ac.in/GREGN/index
Go to “Course Registration” tab
Select THIS course to register, Save and Confirm your registration.
Wait for the email from Course Coordinator regarding short-listing.

Step 2: Pay the Course Fee as applicable for you (by 30th Nov 2017)
Email the transaction receipt details to gian.cse@iitrpr.ac.in
Early Bird Registration deadline - 30th Nov 2017
Limited Seats only! Apply ASAP. Early applicants will be given preference in short-listing process.

For any query regarding this course, please email at gian.cse@iitrpr.ac.in

Organizing Institute: IIT Ropar, Punjab

The Indian Institute of Technology Ropar (IIT Ropar) is an institute of national importance established in Punjab by the Government of India in 2008. It is located in Rupnagar (around 45 kms from Chandigarh) and the city is well connected to all parts of India via rail/road/air. IIT Ropar has a vision to be a trendsetter among the technology institutes born in this millennium and it is on a steep growth path under the able-leadership of Director - Prof. Sarit K. Das. Among all engineering institutes in India, IIT Ropar ranked 9th and 21st by NIRF in 2016 & 2017, respectively.

Host Faculty and Course Coordinator

Dr. Puneet Goyal is a faculty in Dept. of Computer Sc. & Engg. at IIT Ropar. He received his Ph.D degree in 2010 from Purdue Univ., USA.
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