



Hands-on Workshop on Ethical Hacking

2-3 February 2018

(An IQAC initiative)

About the Institution

Rajagiri College of Social Sciences (Autonomous) was established as a result of the indefatigable industry and foresight of the CMI. Accredited at 5-star level and recredited at A⁺ and 'A' grade during the previous accreditation in 2007 and 2013 respectively by NAAC, Rajagiri has successfully established and maintained the apt ambience for learning and the highest level of academic performance. The college was conferred with autonomous status in June 2014. The MCA programme of the Department of Computer Science is a widely known and well sought after course by prospective students. It maintains the axiomatic spirit of Rajagiri - 'Relentlessly Towards Excellence'.

About the Workshop

Ethical hacking is the process of testing and validating an Information Technology system to determine its weaknesses and assess its vulnerabilities. It can be used to recommend preventive and corrective countermeasures against cyber-attacks. Businesses and government organisations hire cyber security professionals to break past their online security systems so that they can recommend measures that help prevent data theft and fraud. Ethical hackers, also known as penetration testers or information security analysts, identify potential threats and help to mitigate the risk of a real cyber-attack.

This workshop is specifically designed to provide the right knowledge to aspiring ethical-hacking enthusiasts, exploring the various methods that an intruder can avail to gain access to computer resources. It will investigate various weaknesses by discussing the theoretical background, and whenever possible, practically performing the attack.

Course Outline

Introduction to Information Security and hacking, Basic commands, Practical exposure to netcat, Scripting, Phases of hacking, Information Gathering, Vulnerability Analysis, Detecting loopholes, Introduction to metasploit, nmap scripts, Steganography, System Hacking, OWASP Top 10 vulnerabilities, Sql Injections, Cross Site Scripting, Android Hacking, Wi-Fi Hacking.

Resource Person

Ms. Suma Rangappan, MTech, CEI, CEH, ECSA
<http://rcss.rajagiri.edu/uploads/files/544/sumaprof.pdf>

Target Participants

Computer science students (UG / PG) / BTech/ MTech students / Academicians / Professionals with interest and enthusiasm to learn.

How to Apply

The number of seats is limited to 60 participants on a first-come-first-served basis. Applicants are required to fill in and submit the online registration form on or before **29th January 2018**.

For online registration visit:

<https://goo.gl/forms/fJf7qMAiGgZSGRDF3>

Registration Fee

Students : Rs. 1250/-
Others : Rs. 1500/-

Registration fee shall be remitted through online transfer / DD drawn in favour of **Rajagiri College of Social Sciences** payable at **Ernakulam**. The registration fee includes lunch and refreshments. The registration will be confirmed on receipt of the payment.

Accommodation shall be arranged on prior request to outstation participants for additional payment. Those who need accommodation should confirm the same on or before 29th January 2018. The participants will not be entitled for payment of any TA/DA.

Online Payment:

Account Name: RAJAGIRI COLLEGE OF SOCIAL SCIENCES
Account No. : 10447877514
Bank Name : State Bank of India
Branch : Kalamassery south
IFSC : SBIN0010570
Remarks: 'Workshop on Ethical Hacking- February 2018'

The DD should reach the following addressee on or before 29th January 2018.

Ms. Vimina E R,
Workshop Convener,
Department of Computer Science,
Rajagiri College of Social Sciences, Kalamassery,
Kochi,
Kerala-683104

Important Dates:

Registration starts : 12 January 2018
Registration ends : 29 January 2018
Dates of Workshop : 2,3 February 2018

For any queries, please contact:

Ms. Vimina E R
Mobile: 9388086868
Office: 04842911111
Email: vimina@rajagiri.edu
For more information, visit: <http://rcss.rajagiri.edu/>