



UNIVERSITY OF NAIROBI
COLLEGE OF BIOLOGICAL AND PHYSICAL SCIENCES
SCHOOL OF COMPUTING AND INFORMATICS

INDUSTRIAL ATTACHMENT BRIEFS

Name of Student: Kinuthia Duncan Mwangi

Registration No: P15/1457/2013

Institution Attached: Sancom Limited

Period of Attachment: Feb – May 2016

Objectives

1. Exposure to industrial work environments
2. Active participation in creating practical solutions using knowledge learnt
3. Build professional networks with potential employers

Activities Undertaken

- Systems and Network Security
- Malware Forensics
- Malware Detection, Analysis and Removal
- Web applications vulnerability assessment
- Wireless Networks Security
- Software development

Lessons worth Sharing

My industrial attachment activities mainly entailed on penetration testing and malware forensics, as I was attached in an institution that works closely with the ministry of Defence.

Through the above activities performed, I learnt that user data privacy and confidentiality is in increasing risk as malicious hackers are upgrading their attack techniques.

Social engineering also came up as one of the most efficient techniques used by hackers to penetrate the most secure systems in the world, because as browser protocols and security encryptions become more advanced, the average and common user still remains uneducated about these threats.