



Amirkabir University of Technology (Tehran Polytechnic)



Workshop on Android Mobile Application Security Testing

Title	Android Mobile Application Security Testing
Duration	24 hrs. (4 Days)
Name and position of instructor	Dr. Salman Niksefat ¹ and Mrs. Parichehr Rezazadeh ² (¹ Assistant Professor, ² Researcher, Department of Computer Engineering and Information Technology, Amirkabir University of Technology, Tehran, Iran)
Holding place	Department of Computer Engineering and Information Technology, Amirkabir University of Technology, Tehran, Iran
Holding time	Around January-February, 2020
Price	600\$

■ **Aims & objectives:** Mobile applications are becoming an important part of our life, this evolution has created a new range of cyber threats. In this practical course, students will learn how to analyze android applications in order to find bugs and security vulnerabilities.

Row	Outline and syllabus	Duration
1	Introduction to android and basic concepts	3 hrs. (day 1)
2	Establishing test environment	3 hrs. (day 1)
3	Android debug bridge: introduction to ADB, capturing traffic/log	3 hrs. (day 2)
4	Assessment of local storage and obfuscation	3 hrs. (day 2)
5	Analyzing network traffic: proxy servers and traffic monitoring	3 hrs. (day 3)
6	Man-In-The-Middle attack	3 hrs. (day 3)
7	Xposed framework: Xposed framework installation, modules, and hooking technique	3 hrs. (day 4)
8	Decompiling and repackaging android applications: Apktool, Smali codes, and debugging	3 hrs. (day 4)

■ Registration method

Applicants should initially register at kish.aut.ac.ir (**short-courses menu**) and upload their scans in good quality. After registration, the tracking code is allocated to the applicant, which must be stored and provided to the University's affiliate. Applicants should definitely choose the option (**Short-course on Android Mobile Application Security Testing**) in registration process. After registering, University will contact them and set the final time, location and way of tuition fee payment.

■ Contact us

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