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### Correspondence

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### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Department of Computer Science & Engineering, NIT, Rourkela was established in 1982. Since its inception, the Department is under dynamic progress and is able to establish the reputation for imparting quality education both at undergraduate and graduate programmes. The department has well equipped modern laboratories such as Software Engineering, Distributed Object Systems, Information Security & Data Communication, Image Processing & Cluster Computing and Advanced Database Engineering Labs for pursuing research keeping in view of the technological advancement.

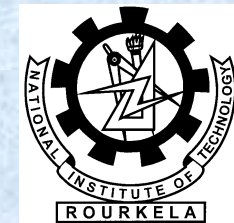


## TEQIP-III Sponsored National Workshop On ANDROID APP TESTING (AAT - 2018)

1<sup>ST</sup> – 5<sup>TH</sup> DEC 2018

Prof. Durga Prasad Mohapatra  
Convener

Prof. B. D. Sahoo  
Co-Convener



Department of Computer Science &  
Engineering  
National Institute of Technology  
Rourkela-769 008, Odisha  
<http://www.nitrkl.ac.in>

## ABOUT THE WORKSHOP

In recent years, Android has gained an astonishing popularity. According to a recent study, it has reached nearly 87% smartphone market share. Take Google Play, the official app market, as an example so far, it has hosted more than 2,800,000 Android apps, with 60,000 new ones joining per month on average. Android apps have been extensively used in security sensitive scenarios. The users heavily rely on them to handle personal data (e.g., contacts, financial data and geographic location) and consume premium services (e.g., online banking, online shopping and sending SMS messages). Nonetheless, various security issues of Android apps are continually being discovered and discussed, ranging from sensitive data leakage to privilege escalation. As android apps are increasingly popularized in security-sensitive scenarios, methods to verify their security properties are highly desirable. So, there is a growing need for automated testing techniques aimed at android apps.

This workshop will provide a forum for discussing theoretical and practical aspects of advanced android app testing. It will help in exchanging research ideas and challenges, exploring possible solutions and future directions. The main goal of this workshop is to bring together researchers & practitioners from both academia & industry.

## INVITED TALKS

The workshop mainly includes invited lectures on recent advances in android testing both from industry and academia. The invited talks will be delivered by experts from IITs, NITs, other reputed institutes and industries.

## CONTENTS OF THE WORKSHOP

### 1. TESTING ON ANDROID

- ANDROID Framework
- Creating Project
- Debugging Test
- Testing with Android SDK
- Managing Android Testing Environment

### 2. HYBRID/NATIVE APP TESTING

- Testing APK File
- Mobile Gesture Automation

### 3. LOCATING ELEMENTS

- Ui Selector
- Building XPath

### 4. Testing WebApps

- ADB plugin
- ADB commands

### 5. MOBILE TESTING FRAMEWORK

- Resting Framework
- Installation

### 6. DATA DRIVEN TESTING

### 7. HANDS ON PRACTICE WITH ANDROID TESTING TOOLS

- Appium, UIAutomator, MonkeyRunner etc.

## REGISTRATION & FEE PARTICULARS

Applications in the prescribed format and the registration fee as given below in the form of a DD, drawn in favour of "DIRECTOR NIT ROURKELA" payable at SBI, NIT Branch, Rourkela-8 (Code-2109) must reach the Convener on or before 20<sup>th</sup> Nov 2018. Registration fee includes workshop materials. Accommodation may be provided in institute guest house/hostels on payment basis. For accommodation, participants have to mention it in the application form and may request through email.

### Registration Fee

Employees from Industry and R&D Organizations	Rs. 5,000
Faculty from Academic Institutions	Rs. 2,000

### Accommodation Charges (per day per bed)

Guest house (South block)	Rs. 800
Hostel	Rs. 100

For details, please visit our Web Site: <http://www.nitrkl.ac.in/Academics/Events/Workshop.aspx>

Lodging and boarding facility may be provided, subjected to availability of funds. Faculty members of NIT, Rourkela need not pay any registration fee.

## TEQIP – III Sponsored National Workshop on ANDROID APP TESTING (AAT - 2018)

1<sup>ST</sup>-5<sup>TH</sup> DEC 2018

### Registration Form

1. Name:.....
2. Designation: .....
3. Organization: .....
4. Specialization: .....
5. Address:.....  
.....  
Phone:.....Mob: .....
- E-mail:.....
6. Accommodation Required: YES/NO  
If Yes, Pl. specify Guest house/Hostel
7. Gender: Male/Female
8. Registration Fee Details:  
Amount: Rs .....
- DD No: .....Drawn on.....  
Branch.....
- Place:
- Date: Signature of the Applicant

Copies of this form can be made, if necessary. Please send the duly filled in form to the Convener on or before 20<sup>th</sup> Nov 2018. The details of the workshop & the form can also be downloaded from our website <http://www.nitrkl.ac.in>.