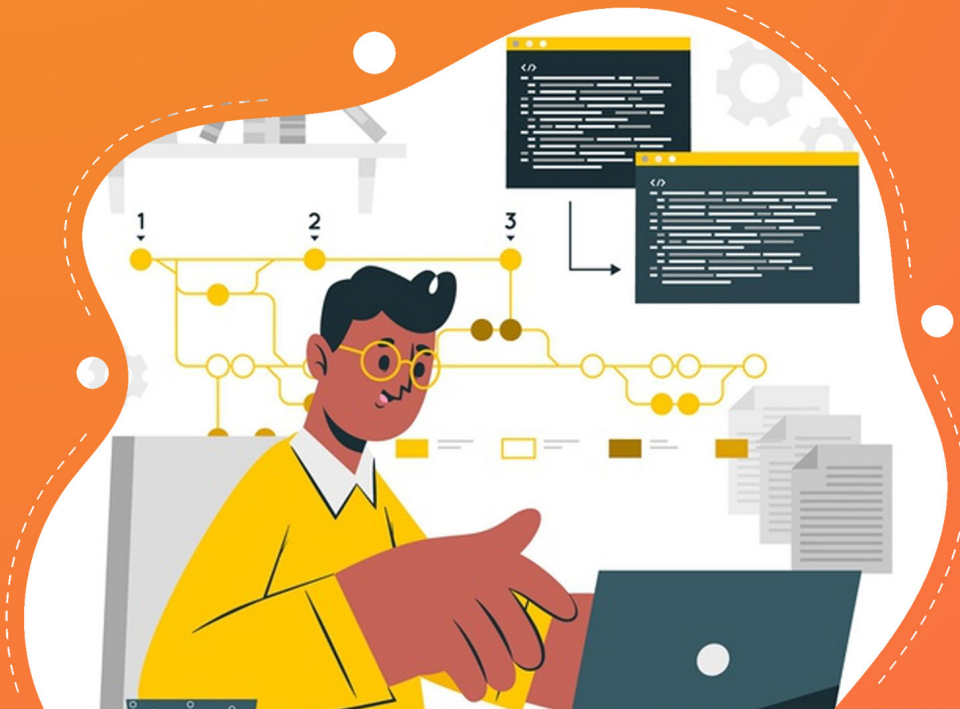


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25 Hour Course - Option 5

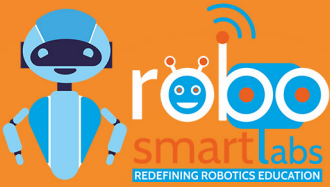
Course code: RSL0L25R01



**ADVANCED CODING (PYTHON – JAVA
ANDROID STUDIO)/ETHICAL HACKING
CYBER SECURITY / APP DEVELOPMENT**
(ROBUST - GOOD FOR GRADE 9-12)



**INTERACTIVE LIVE
COURSE SERIES**



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ADVANCE – PYTHON PROGRAMMING (GAME DEV)

Learning Outcome

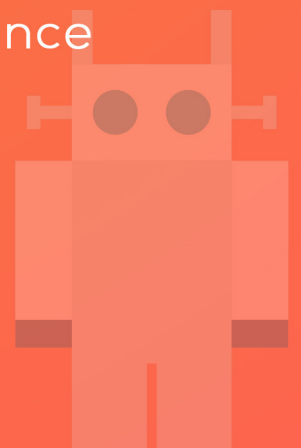
What is Python?, Gaming in Python, Installing Python, Installing Pygame Zero, Using IDLE, Learning the Basics, Creating variables, Making decisions, Playing with loops, Functions, Fixing bugs

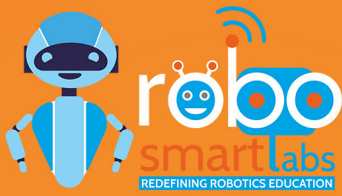
Projects

Your first program, Shoot the Fruit, How to build Shoot the Fruit, Coin Collector, How to build Coin Collector, Follow the Numbers, How to build Follow the Numbers, Red Alert, How to build Red Alert, Happy Garden, How to build Happy Garden, Sleeping Garden, How to build Sleeping Dragons, Big Quiz, How to build Big Quiz, Balloon Fight, How to build Balloon Flight, Dance Challenge, How to build Dance Challenge

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ETHICAL HACKING AND CYBER SECURITY

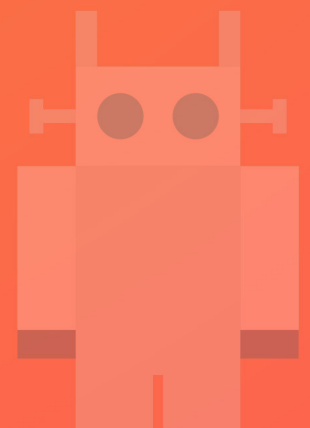
Learning Outcome

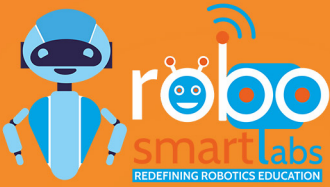
Hacking with kali Linux, Basics of Hacking, What is ethical Hacking?, Cyber security, Linux Architecture, Basics of Linux operating system, Basic linux commands, Characteristics of kali linux & it's important in the hacking world, Installation of kali linux, Applications and use of kali linux, Different tools of kali Linux, How can kali linux be used for hacking?, Techniques of using kali Linux, Penetration testing, VPN, Firewall, Cryptography

Projects

Virus creation for Wi-Fi circle, Virus creation for global attack, Window payload generation, Backdoor generation, Android pay load generation, VPN creation, Firewall cracking, Browser exploitation, Port scanning

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APP DEVELOPMENT (BASIC) JAVA - ANDROID STUDIO

Learning Outcome

The Android platform dissected Development environment, Install Android Studio, Build a basic app, Activities and layouts, Android Studio folder structure, Useful files in your project, Editing code with Android Studio editors, Run the app with Android emulator, Creating an Android Virtual Device, Console progress, Your Android Toolbox, Create a chooser, Pass from first to a second activity, Build the custom Java class, Test drive your app

Projects

Let's build a Juice Adviser app
(full version with learning more than 10 concepts)
Transfer message app
(full version with learning more than 12 concepts)

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