**Topics**

**Kotlin Basics**

* Variable types and declaration – var, val, lateinit var, lazy {}
* Null-safety operator
* Control flow statements
* When expressions
* Usage of range in loops

**Classes, Functions and Lambdas**

* Class, data class and sealed class
* Overriding methods, properties and overriding rules
* In-line and extension functions
* Scope functions
* Lambda expressions

**Collections and Generics**

* Mutable and read-only collections
* Collection ­operations – transformation, filtering, grouping etc
* In-out generics keywords
* Generic type projection

**Coroutines and Asynchronous programming**

* Coroutines and suspend functions
* Coroutine context, job and dispatcher
* Asynchronous programming using async and await