Plan-1

No	Module	Docs	Topic	Details	Horus
1		Done	Overview		
2		Done	Environment Setup		
3		Done	Linux Ubuntu setup		
4		Done	First Programme		
5		Done	Architecture		
6		Done	Basic Types	Data Types, Type Conversion, Variables, Operators, Comments	
		Done	Coding Convention	Naming Rules, Formatting, Doc Comments, Avoid Redundunt constructs, Coding Convention for Libraries	
7		Done	Input / Output		
8		Done	Control Flow	if, if-else, when, for, while, do-while, return, break, continue	
9		Done	Functions	Kotlin Functions, Recursive Functions, Default & Named Arg, Kotlin Lamdas, Higher Order Functions, Inline Functions	
10		Done	Array		
11		Done	String		
12		Done	Null Safety		
	Kotlin Basics	Done	Type Aliases		
13		Done	Exception Handling	Kotlin Try Catch Multiple Catch Block Nested Try Block Kotlin Finally Block Kotlin Throw Keyword	
14		Done	Collections	Collection Overview, Constructing Collection, Mutable Array Kotlin ArrayList Kotlin Collections List Operations, Set Operations, Map Operations Sequences Iterators Transformations Filtering Grouping, Retriving Collection Parts, Retriving Single Elements, Ordering, Plus – Minus Operators, Aggregate Operations,	
15		Done	Class & Objects	Class, Object, Nested Class, Inner Class, Inline Classes	
16		Done	Constructors		

17		Done	Inheritance	Inheritance, Abstract Class	
18		Done	Interface		
19		Done	Visibility Control		
20		Done	Extension Function		
21		Done	Data Classes		
22	Kotlin Object Oriented	Done	Sealed Classes		
23		Done	Generics		
24		Done	Delegation		
25		Done	Destructuring and Declarations	Destructuring and Declarations, Type Checks and Casts 'this' expressions, Equality, OperatorOverloading,	
26		Done	Ranges	Integer Type Range, Kotlin Working Range, Kotlin Utility Function	
27		Done	Regex	Regex Expression Regex Pattern	
		Done	Annotation & Reflection		
			https://www.tutorialkart.com/kotlin-android-tutorial/		
28		Done	Installing Android Studio	Steps, Configure, First App – Hello World Getting Started	
29		Done	TextView, Edit Text		
30		Done	Toast		
31		Done	Button		
32		Done	Custom Toast		
33		Done	Intent	Explicit Implicit	
34		Done	ListView	https://www.tutorialkart.com/kotlin-android/kotlin-android-listview-example/	
35		Done	Alert Dialog		
36		Open	Context Menu		
37		Open	Custom ListView		
38	otlin with Androi	Open	Option Menu		
39		Open	Popup Menu		
40		Done	WebView		
41		Done	SeekBar		
42		Open	TabLayout with FrameLayout		
43		Open	TabLayout with ViewPager		
44		Open	Dom Parser		
45		Open	SAX Parser		
46		Open	XMLPullParser		
47		Open	JSON Parsing using URL		
48		Open	Android Media Player		
49		Open	External Storage		
50		Open	Internal Storage		
51		Open	SharedPreferences		
52		Open	SQLite		

53	Open	Android Notification	
54	Open	Google reCAPTCHA	
55	Open	Authenticaion – Google Login	

Plan-1

Session No	Session By	Date	Day	Date	Day
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https://www.javatpoint.com/kotlin-ins

https://www.tutorialkart.com/kotlin-ar

22					
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Plan-2

No	Module	Docs	Topic	Details
1		Done	Overview	
2		Done	Environment Setup	
3		Done	Linux Ubuntu setup	
4		Done	First Programme	
5		Done	Architecture	
6		Done	Basic Types	Data Types, Type Conversion, Variables, Operators, Comments
		Done	Coding Convention	Naming Rules, Formatting, Doc Comments, Avoid Redundunt constructs, Coding Convention for Libraries
7		Done	Input / Output	
8		Done	Control Flow	if, if-else, when, for, while, do-while, return, break, continue
9		Done	Functions	Kotlin Functions, Recursive Functions, Default & Named Arg, Kotlin Lamdas, Higher Order Functions, Inline Functions
10		Done	Array	
11		Done	String	
12		Done	Null Safety	
	Kotlin Basics	Done	Type Aliases	
13		Done	Exception Handling	Kotlin Try Catch Multiple Catch Block Nested Try Block Kotlin Finally Block Kotlin Throw Keyword
14		Done	Collections	Collection Overview, Constructing Collection, Mutable Array Kotlin ArrayList Kotlin Collections List Operations, Set Operations, Map Operations Sequences Iterators Transformations Filtering Grouping, Retriving Collection Parts, Retriving Single Elements, Ordering, Plus – Minus Operators, Aggregate Operations,

15	Kotlin Object Oriented	Done	Class & Objects	Class, Object, Nested Class, Inner Class, Inline Classes
16		Done	Constructors	
17		Done	Inheritance	Inheritance, Abstract Class
18		Done	Interface	
19		Done	Visibility Control	
20		Done	Extension Function	
21		Done	Data Classes	
22		Done	Sealed Classes	
23		Done	Generics	
24		Done	Delegation	
25		Done	Destructuring and Declarations	Destructuring and Declarations, Type Checks and Casts 'this' expressions, Equality, OperatorOverloading,
26		Done	Ranges	Integer Type Range, Kotlin Working Range, Kotlin Utility Function
27		Done	Regex	Regex Expression Regex Pattern
		Done	Annotation & Reflection	
			https://www.tutorialkart.com/kotlin-android-tutorial/	
28		Done	Installing Android Studio	Steps, Configure, First App – Hello World Getting Started
29		Done	TextView, Edit Text	
30		Done	Toast	
31		Done	Button	
32		Done	Custom Toast	
33		Done	Intent	Explicit Implicit
34		Done	ListView	https://www.tutorialkart.com/kotlin-android/kotlin-android-listview-example/
35		Done	Alert Dialog	
36		Open	Context Menu	
37		Open	Custom ListView	
38	otlin with Androi	Open	Option Menu	
39		Open	Popup Menu	
40		Done	WebView	
41		Done	SeekBar	
42		Open	TabLayout with FrameLayout	
43		Open	TabLayout with ViewPager	

44		Open	Dom Parser	
45		Open	SAX Parser	
46		Open	XMLPullParser	
47		Open	JSON Parsing using URL	
48		Open	Android Media Player	
49		Open	External Storage	
50		Open	Internal Storage	
51		Open	SharedPreferences	
52		Open	SQLite	
53		Open	Android Notification	
54		Open	Google reCAPTCHA	Advanced Topic
55		Open	Authenticaion – Google Login	Advanced Topic

Required	Horus	Session No	Session By	Date	Day	Date	Day
Y							
N							
N							
N		1					
Y							
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Plan-2

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Y							
Y		7					
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Syntax change discussion		8					
N		9					
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Syntax Discussion		10					

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Plan-2

Y							
Y		11					
Y							
Y							
N		12					
Y		13					
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Syntax Discussion		14					
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Adv.		16					
Adv.							