ITEC399 – Mobile Application Development

# Lab 1 'Hello world'

## Create Android Application

The first step is to create a simple Android Application using Android studio. When you click on Android studio icon, it will show screen as shown below



You can start your application development by calling start a new android studio project. in a new installation frame should ask Application name, package information and location of the project.

<b>R</b>	Create New Project	×
New Android S	Project	
Configure you	r new project	
Application name:		
Company Domain:	saira_000.example.com	
Package name:	com.example.saira_000.	Edit
Project location:	C/\Users\saira_000\AndroidStudioProjects	
Please enter an applic	cation name (shown in launcher) Previous Next Cancel F	inish

After entered application name, it going to be called select the form factors your application runs on, here need to specify Minimum SDK, in our tutorial, I have declared as API23: Android 6.0(Mashmallow)

lect the form factors your app w	ill run on	
erent platforms may require separate SDKs		
1.2.2.2		
Phone and Table	ADI 32: Android 6.0 A Antoneous Broud	
Minimum SUK	API 23: Android 6.0 (Wannmallow) Lower API levels target more devices, but have fewer features available.	
	By targeting API 23 and later, your app will run on approximately 4.7% of the devices	
	Help me choose	
🗌 Wear		
Minimum SDK	API 21: Android 5.0 (Lollipop)	<b>*</b>
□ 1/		
Minimum SDK	API 21: Android 5.0 (Lellipop)	· · · · · · · · · · · · · · · · · · ·
Android Auto		
Glass		
Minimum SDK	Glass Development Kit Preview (API 19)	

The next level of installation should contain selecting the activity to mobile, it specifies the default layout for Applications.

×		Create New Project		×
Add an activ	ity to Mobile			
Add No Activity	( <b>n</b> i)			
	Blank Activity	Black Activity with Fragment	Fullscreen Activity	Google Maps Activity
			Previous	Next Cancel Trends

At the final stage it going to be open development tool to write the application code.

DHOTE XOB SA	activity, my anti-jacoj - My Application - j-Hosperditionally = 11 + max + 2 + 2 = 2 = 2 = 2 = 2 + 2 + 2	uncus MyAppenation3
	(res (E menus) (e menus and	
S Andread at O I	T de - Pr - Madetonia poro la - 😸 acturha ma arei e	
Constant on the second of the second o	Name         ⊕ - P         Q <sub>k</sub> + ≥ Name k + □ +          (B Appliance ************************************	anayo & 425. Tana A A B O A Tana A A B O A Tana A A A B O A A Tana A A A A A A A A A A A A A A A A A A
manufacture 2 and a second sec	In Struct Field	Provens 2 2 1 1
In Territorial In & Manager	2 1000	III Konnt Log 🖉 Gradia Consulta 📷 Managra Mantar
Costly lasks hardens in 3 and memories again		Data Cast Cast

#### From **attributes panel** on the right

- 1. Change the text size to 36
- 2. Change the Hello Word to "Android is Cool"

#### From Projects panel on the left

3. Change the colors of the contents **res** $\rightarrow$ **values** $\rightarrow$ **color** 

### Running the Application

Let's try to run our **Hello World!** application we just created. I assume you had created your **AVD** while doing environment set-up. To run the app from Android studio, open one of your project's activity files and click Run **()** icon from the tool bar. Android studio installs the app on your AVD and starts it and if everything is fine with your set-up and application, it will display following Emulator window.

