



MCAST

INTRODUCTION TO MOBILE APPLICATIONS DEVELOPMENT

Capacitor

ITSFT-406-2001

Ing. James Attard

OVERVIEW OF CAPACITOR



- **Capacitor** is a library that was built by the same team behind Ionic and is installed by default with the new Ionic versions.
- **Capacitor** replaced an older technology called Cordova. This technology is used to:
 1. Deploy Ionic applications to the mobile device (emulated/hardware).
 2. Access native mobile functionalities such as the Camera, GPS, etc.

DEPLOY WITH CAPACITOR

Deploying applications to a mobile device or an emulator, is very straightforward with Capacitor:

```
# Build assets for android/ios:
```

```
ionic build
```

```
ionic cap add android
```

```
ionic cap add ios
```

```
ionic cap sync
```

```
# Run the app on the device/emulator
```

```
ionic cap run android --livereload --  
external
```

CAPACITOR PLUGINS

- To get access to native functionalities such as the Camera, GPS, etc. we need to install Capacitor plugins.
- Example to add Camera functionality:
`npm install @capacitor/camera`