**INCLASS**

INCLASS 01:

* Basic java programs

INCLASS 02:

* Area calculator (triangle, square, circle)
* Basic text view – visibility, setText

INCLASS 03:

* Gender – Male Female
* Intent passing – startActivity, startActivityForResult, onActivityResult()
* Radio buttons, images
* Text length adjustment

INCLASS 04 - starter:

* Add, Subtract
* Intents – passing/getting double type

INCLASS 04:

* Complexity – Min, max, average
* Android concurrency models – Async task (onPreExecute, doInBackground, onPostExecute)
* Seekbar, progress bar

INCLASS 05:

* Photo Gallery application – dropdown with image loading
* Using APIs – async task, string builder
* Passing view in constructor to different activities
* Bitmap – image loading
* isConnected() - checking internet connection
* page next, previous
* Alert dialog box, Image button, progress bar, images

INCLASS 06:

* News app – image, title, front and back
* JSON parsing, Picasso image loading
* Text view scrolling - Fixed height
* IO utils, Picasso dependencies
* Using APIs – async task
* Alert dialog box, Image button, progress bar, images, page next, previous

INCLASS 07:

* Musixmatch app
* listView, seekbar, radio button
* Action view to new web page

INCLASS 09:

* Email – add, edit, view
* OkHttp \_ GET/POST requests
* Signup, login, inbox, add email, display email - APIs used for each activity
* Inbox – list view with sender and messages (details fetched from okhttp asynchronous calls)
* Add email – spinner with all uses and message
* Display – display all messages on click in list view

INCLASS 10:

* Homework 4 continuation – movies app
* Connected to Firebase database
* Get, set, delete, whereas, orderby actions in Firebase

INCLASS 11:

* Gallery list view app
* List of images stored in Firebase storage
* Opening camera
* Converting image to bytes and storing in firebase storage
* Deleting image on long click – (using image path in storage)

INCLASS 12:

* Google maps – draw line
* Connecting to google maps – using LatLng
* Creating polylines with coordinates

**HOMEWORK**

HOMEWORK01:

* Body Mass Index
* setError(), simple textViews

HOMEWORK02:

* Pizza store
* Dynamic layout - Progress bar (horizontal), linear layout(addition, deletion)
* Check box, alert dialog
* String replace [ ]
* Intent - getStringArrayListExtra

HOMEWORK03:

* Complexity – Min, max, average
* Android concurrency models – Thread and handlers (onPreExecute, doInBackground, onPostExecute)
* Seekbar, progress bar

HOMEWORK04:

* My favorites movies app
* Multiple intents
* Alert dialog box – edit, delete, add
* Spinner, seek bar, multiple line
* Comparator – year sorting ( object sorting )
* Multiple onActivityResult

HOMEWORK05:

* News app – 2 pages(list View & list view inflating)
* List view with single text line
* List view with multi text line & image
* Web view activity (opening new web page)
* android:usesCleartextTraffic="true"

MID TERM:

* Weather app
* List view with all cities – on click move to weather page
* API call
* Display image in Picasso
* Weather page with recycler view – image view in list
* JSON retrieved from raw folder

HOMEWORK06:

* Student Profile Builder – using multiple avatars
* Fragments
* Avatar image, radio buttons

HOMEWORK07: