



LOK JAGRUTI KENDRA UNIVERSITY

Syllabus for MCA, 3rd Semester

Course Name: Mobile Computing (MC)

Course Code: 040110302

Day No.	Practical Exercise
1	<ul style="list-style-type: none">- Introduction about Flutter, tools which helps to build flutter- Widgets:- Material, Scaffold, Text, Column, Row, Container, FloatingActionButton- knowing about Stateless & Stateful Widget
2	<ul style="list-style-type: none">- Git Setup- Git & GitHub- App - 1 (Login & Registration with Navigation)- Widgets:- Image, Padding, Stack, Form, SingleChildScrollView, TextField, TextFormField- commit & Push on github <p>Assignment 1:-</p> <ul style="list-style-type: none">- BMI Calculator<ul style="list-style-type: none">- take 3 value Age, height, Weight with proper validation- Make function that have Calculate result- show result on bigger font- put screenshot on readme file- upload project on github
3	<ul style="list-style-type: none">- Expense App- App -1 (Main page List view design & custom Widgets, class)- Widgets:- IconButton, ListView.builder, showdatepicker,- make controller- map



LOK JAGRUTI KENDRA UNIVERSITY

Syllabus for MCA, 3rd Semester

Course Name: Mobile Computing (MC)

Course Code: 040110302

4	<ul style="list-style-type: none">- App - 1- Creating Own Custom Widgets <p>Assignment 2:-</p> <ul style="list-style-type: none">- Calculator App- normal Calculator app that calculate basic +, -, *, /- App will display proper in portrait and landscape mode- upload it on github
5	<ul style="list-style-type: none">- App - 1 (themes)- Advance theme property- how to inherit themes
6	<ul style="list-style-type: none">- Postman tool- App - 2 (News App)- http package- async & await- getting data from open API(https://newsapi.org/)- category is on drawer view
7	<ul style="list-style-type: none">- App - 2 (deep diving into http)- pull to fresh
8	<p>Assignment 3:-</p> <ul style="list-style-type: none">- App - 3- open api self task- https://openweathermap.org/api



LOK JAGRUTI KENDRA UNIVERSITY

Syllabus for MCA, 3rd Semester

Course Name: Mobile Computing (MC)

Course Code: 040110302

9	<ul style="list-style-type: none">- Use Local API- making environment for project- rules for publishing Assignment 4:- <ul style="list-style-type: none">- Meals App- that have data from local API- option to add meals as favorite- searchbar- add filter to veg, non-veg
10	-
11	-
12	-
13	- Self Spaced Project
14	- Self Spaced Project



LOK JAGRUTI KENDRA UNIVERSITY

Syllabus for MCA, 3rd Semester

Course Name: Mobile Computing (MC)

Course Code: 040110302

15	- Self Spaced Project