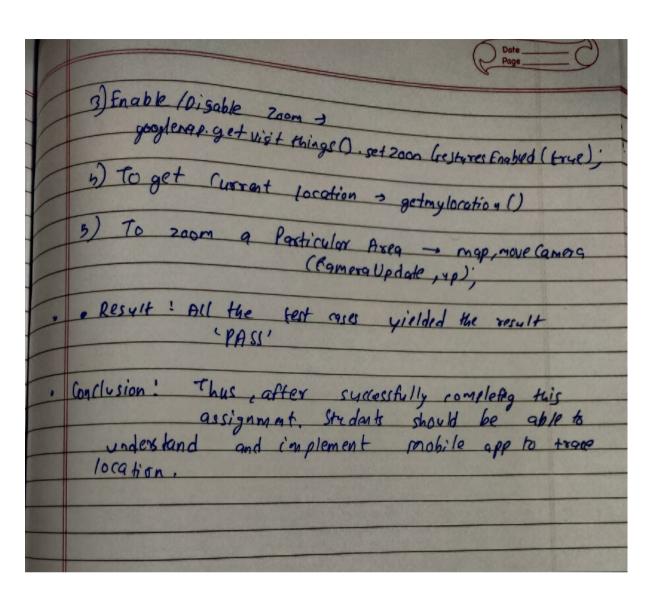
Writeup

	Assignment No. 07
	The state of the s
	· Title: Location Tracer using Android Studio
7	· Problem statement: Design a mobile app using Google maps and GPS to trace the location.
	maps and ut to love the
	· Objective: To,
	1) Understand the basic android studio.
	e) Understand the basic Google Maps and 415.
•	Outcome: Students will be able to understand and implement
	mobile app to frace location.
17.50	
	Software & Hardware Requirements:
	Doperating Systems
1	(64 bit Fedorg 20 / Withdows 10 or latest 64-6+
him.	2) latest Android Studio.
41	g (grest badroid studio.
	Theory:
	Google maps is a web-based service that provides
The same	detailed information about geographical regions and sites around the world. In addition to conventional road
	and the world an addition to conventional road
	maps, Google Maps offers ariel & sattelite views of many
	places. In some cities, it offers street views compositing
	photos taken from vehicles.
	with goods maps installed on your device, you can view street and satellite maps of the whole
	can view street and satellite maps of the whole
	world. Not only this, but it can be used to plot
-	yours, find local places at interest, sugalize
- 11	

with people ground you and 'well' along road with Google Maps is incredibly easy to use on and soid device. The application automatically detects con your current location & displays it on screen. You can move around by bolding your tinger and drogging the screen and zoom in and out by pinching with your finger. The app allows you to solve save maps offlie and manye them from an easy-to-gross list. The app also shows you the total walking time of your trip and when the next bus or train is Turn-bytum navigation shows you distance & estimated arrival time and gives you access to alternative routs and features lane assistance. maps also include a new Employe Reature which shows you different places and activities around you . You can filter by distance, time of day and type of place and get business information You can also search for places you've reviewed or saved using the Your Places' option. Google Maps layout F:19: < Fragment android: id = "Q+id/maps" and roid: layout _width = "match -parsent" android: layart height = " natch-parent" 1>

to add the permission along with the google map API key in An world monited DACCESS FINE LOCATION - GPS I SCATION Parmission: 2) AICESS COARSE - LOCATION & permission for network provider location < 43 ex - permission android : name = "android permission < ----- Google API Key Crieta data android: name = " package - path !!

android: value = " Grouple API Key". Customizzy Google Maps: - Done using addmarker() in Google 1) Adding marker map android manifest add marker (Google map - Android Marifest (). position (0). +itle("myloc")); 2) changing Map type 3 Syntax > Googlemap Set MapType (Google map - MAPTYPE);



Outputs





