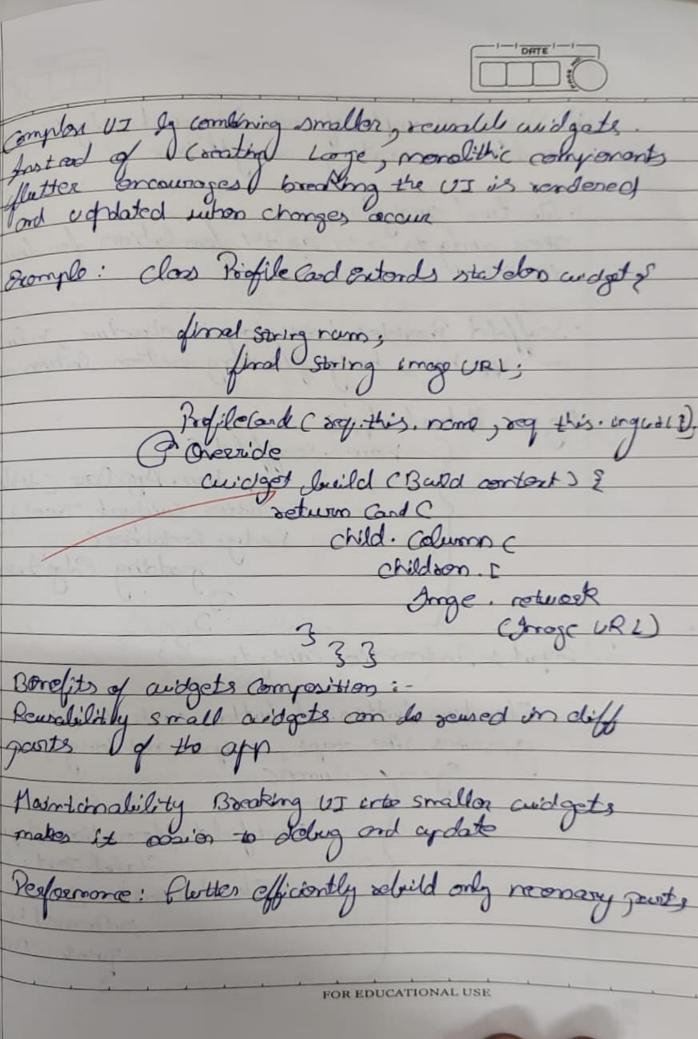
Adray Coupta
DISB
NAD Assignment - 1 at Explain features, abortages of using flatter for mobile I Single for multiple platforms. write one coldere for both and roid and IOS reducing development 2. Hot Relad Instantly are charges in the app cuithout interactive making a development fuster and more 3. Fast performere . clos Dust longuage and a compiled approach erroll and high senformance cyps. he Open source a straining community sport, Enterved by goods and large developer community.

Onsuring continuous improvement and renounces. Adventages Faster Development Time: Hot reland and single colleges development time significantly 2. Cost effective: The code suns both And sold and JOS, buisnon sove or development and maintain Discuss how flatter franciscope work diff from the

traditional approach and cuty grand popularity in development community. 1. Diff from traditional approaches. Rondown Engine: Traditional fromwork vely or plas defanative UI: UI updates and defined as paint of state along sather than imperative Performance: Plutter cyps have letter goformance than feact Notive as avoid J.S bridge 2. cery fluttor popular in Der Community: strong support from google and the community
Conving number of pluggers and Libraries
Floribility in UI customoration
Support for web mobile and desktop (92) a) widget love and colleget Composition in flutter In flutter, the winged travers fundamental structure the track of an application. It's a heise part of uson Interface out andget defines of part of uson Interface 2 cudget Composition in Mutton reffors to building



b) Provide examples of commonly used cuidgets and soles in creating evidant trace There analysts ats as the foundation for dende · Scaffold Provides book longert structure, include or app has, body floating action button of Eng: - National Apparent opp bar. App Bar (title. (Flutter (widget Tree)). body. (ortainer (podding Edge Ansorto 2 Input , Interaction audgets is Elevation button. & button with devation gestures like taps, suipes and long presses Eg: - (Column C enfromed: 03 Drint CoBotton Pro

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3. Display & Styling Cludget
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· Front - displays tont on the screen · Image - Shows irrages from mets retwork or remove Arms
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3;
a) In flutter state reffers to data that con charge during the diffetime of on application on includes:
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- UI changes
- Network danger
- Animation states
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Those are two types of states
External state: small UI) specific state that
does't affect the whole app
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propor state management answes that data remains
consistent ocean different scoons and audgots Dros - simple Swilt on conson to any cons - Not Scalable Courses coreconsary re-road Best use Cosos - Small UI cydates Ceg. togge & Prospod App- and state (Mon stable thorn provided pros- climinates providents Limitation, improves performences comes - Requeses Learning new concepts
Bost use one - larg apps reeding global state Scorarios for each approach the set whate culon moroging simple VI Elements cu; the o single cuidget like toggling dark made in a setting exceen Use provider whom showing that a coop multiple acidgets such as morning user authoritation of theme changes like on accommence appoints

Can't management.

For Educational USE

SDS | Page No.

a) Explain mocons of Integrating findase cuits Ins Fredox provides a powerful backerd

Lolution for fluttor application offering

Leavices like authorbication, and

time databones, closed functions, storage and

more. > Steps to integrate firebase cuth flutter Step 1: Create a fischere project

- go to fischere console

- click on a Add project and enter a

- project name Step 2: Registor the fluttor app cuith fishere - In the fishere project dadhound click or Add App" and select ordered on IOS - For Indicacl: Enter the android package name and download the google wearke ison file and place it in android app Install fischere dependencies in nubpes. your lischere cone dischere with closed fixestore

Run flutter project Step 3: Initialize fischore in flatton Steps:

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-	b) Fischere provides a suite of barand simplify fluttor app development			
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