

A Presentation
on

“GEHU_Online App”

Using Firebase & Payment Gateway Integration



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CONTENTS

- Introduction
 - Objective
 - Gap Analysis
 - Technology used
 - Screenshots/Video
 - Pros/Cons
 - Conclusion
- 



Introduction

➔ **“GEHU_Online”** is an Android Application for the Students of Graphic Era Hill University with the following functionalities-

- (a) **Online Semester Registration**
- (b) **Online Fee Submission**
- (c) **Online Video Lectures & Notes**



Introduction (Contd.)

- ➡ The app provides best quality of Tutorials in the form of Interactive **videos, and notes.**
- ➡ Best qualified Faculty.
- ➡ **Online Semester Registration** for the students for new Semester.
- ➡ **Online Fee Submission** for Students for the new Semester
- ➡ App also having an **admin** panel



Objective

- The objective is to provide facilities to the students an online platform to save their time by doing the Online fee submission and online semester registration.
- Also to provide the best quality video lectures and notes by the best faculties of Graphic Era Hill University.



Gap Analysis

- ➡ Windows 10
- ➡ Android Studio v3.0
- ➡ Firebase Realtime database and Storage
- ➡ Xampp server
- ➡ starUML
- ➡ smartDraw

Technology used

- For creating this system we need basic knowledge of following things:-
 1. OS:- How to handle Windows operating System
 2. Languages like Android and php
 3. This also require basic knowledge of applications like starUML,smartDraw.
 4. IDE:- Android Studio v3.0
 5. Tools:- Firebase Realtime DB & Storage, Paytm payment Gateway, Xampp

Firestore

- **Firestore is a mobile and web application development platform** developed by Firestore, Inc. in 2011, then acquired by Google in 2014. As of October 2018, the Firestore platform has 18 products, which are used by 1.5 million apps.



Firestore

Firestore (contd.)



Build better apps



Auth



Hosting



Cloud Functions



ML Kit



Cloud Firestore



Realtime Database



Cloud Storage



Improve app quality



Crashlytics



Performance Monitoring



Test Lab



Grow your app



Analytics



Remote Config



Predictions



A/B Testing



Cloud Messaging

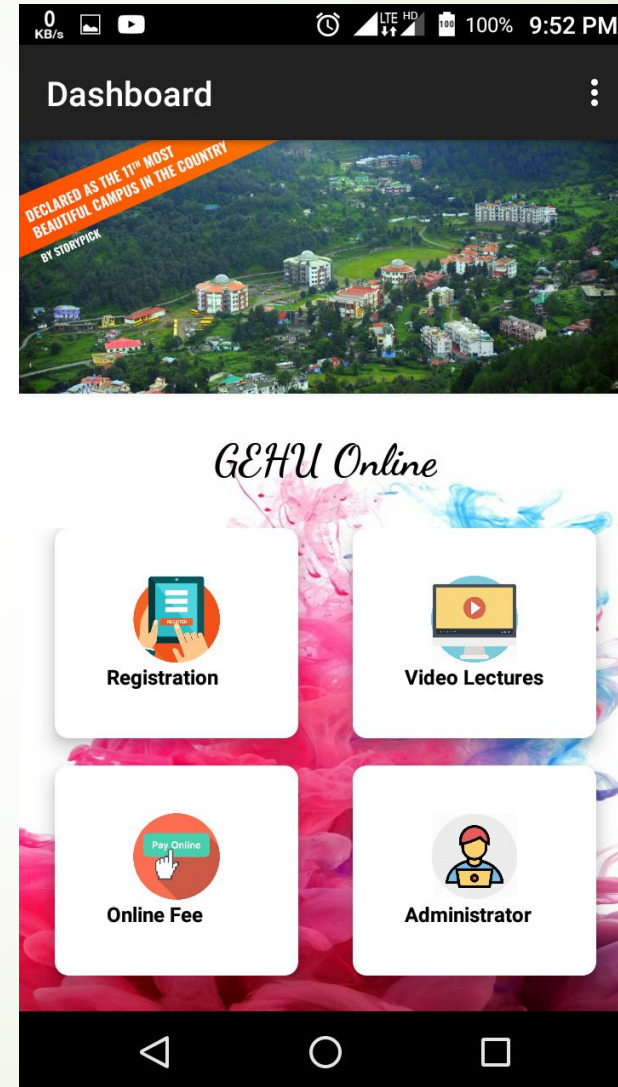
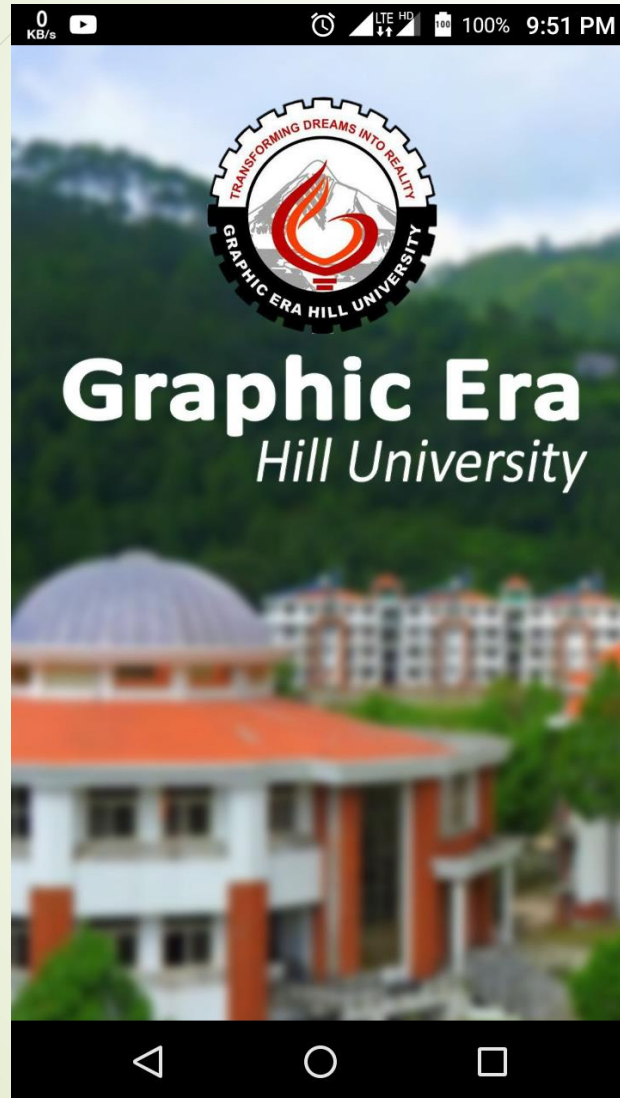


Dynamic Links




In-app Messaging

Screenshots (HomePage)



Screenshots (Sem. Reg.)

0 KB/s 100% 9:52 PM



Hello User

Full name

Whats your name?

Phone number

Your Phone number!

Let's go!

0 KB/s 40% 5:28 AM



Hello Mohit Singh


Enter OTP

|

The OTP is Send to the given Mobile Number

Let's go!

0 KB/s 40% 5:28 AM



Full name

Mohit Singh

Phone number

9761760261

Address

Your Address

Email

Your Email!


Enrollment Number

Screenshots (Firebase console)

The image displays a dual-screen view. The left screen shows the Firebase console interface for a project named 'GEHU Registration'. The left sidebar contains navigation options: Project Overview, Develop (Authentication, Database, Storage, Hosting, Functions, ML Kit), Quality (Crashlytics, Performance, Test Lab), Analytics (Dashboard, Events, Conversions, ...), and Grow (Predictions, A/B Testing, Spark). The main content area is titled 'Database' and shows the 'Realtime Database' structure. A tree view under 'materiallogindemo-e133e' shows a 'StudentRegDetails' node with a list of names: Ajay Singh, Chandan Tiwari, Deepak Belwal, Dhruv Pande, Ravi Kumar, Sachin Bisht, and an 'UploadedFiles' node. The right screen shows a mobile app interface with a red header featuring the Graphic Era Hill University logo and the text 'Hello User'. Below the header are input fields for 'Full name' (placeholder: 'Whats your name?') and 'Phone number' (placeholder: 'Your Phone number!'), followed by an orange 'Let's go!' button. The bottom of the image shows a Windows taskbar with various application icons and a search bar.

Screenshots (Admin)

0 KB/s 6:18 AM 45%



Hello Admin

Username


Whats your username?

Password

Your Password!

Admin Login!

31 KB/s 10:53 PM 79%




Admin Dashboard

Student Details
Watch the Student Details who Submit their Registration

Upload Files
Upload the Notes for Students to the Database

1 KB/s 10:55 PM 78%




Registered Students

Student Search

Search here...

Ajay Singh - CSE (B. Tech.)
Chandan Tiwari - B. Tech (CSE)
Deepak Belwal - (BCA)
Dhruv Pande - Agriculture (B. Sc.)
Ravi Kumar - BCA
Sachin Bisht - EC (B. Tech.)
Vinod Kumar - B. Tech. (CSE)

0 KB/s 6:19 AM 45%



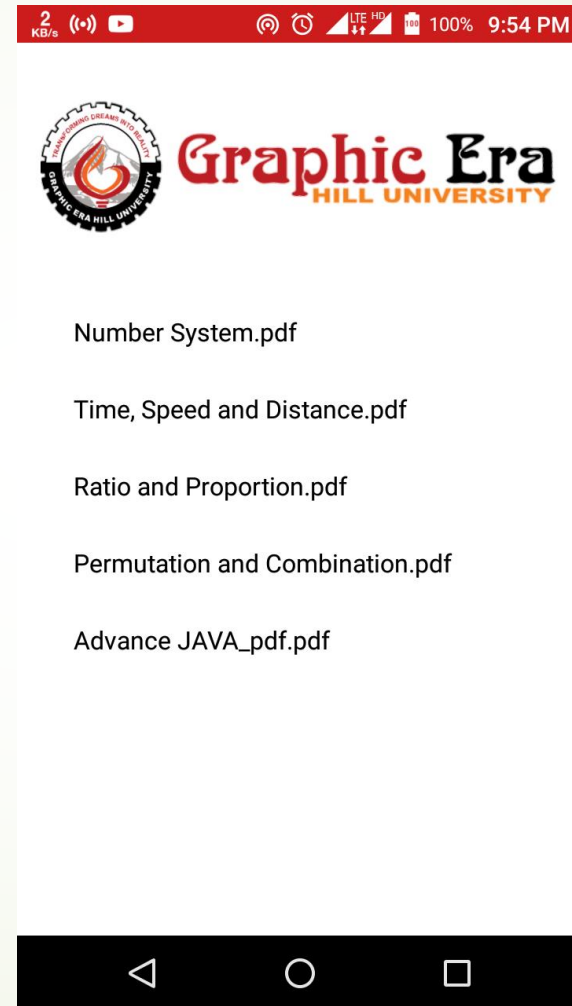
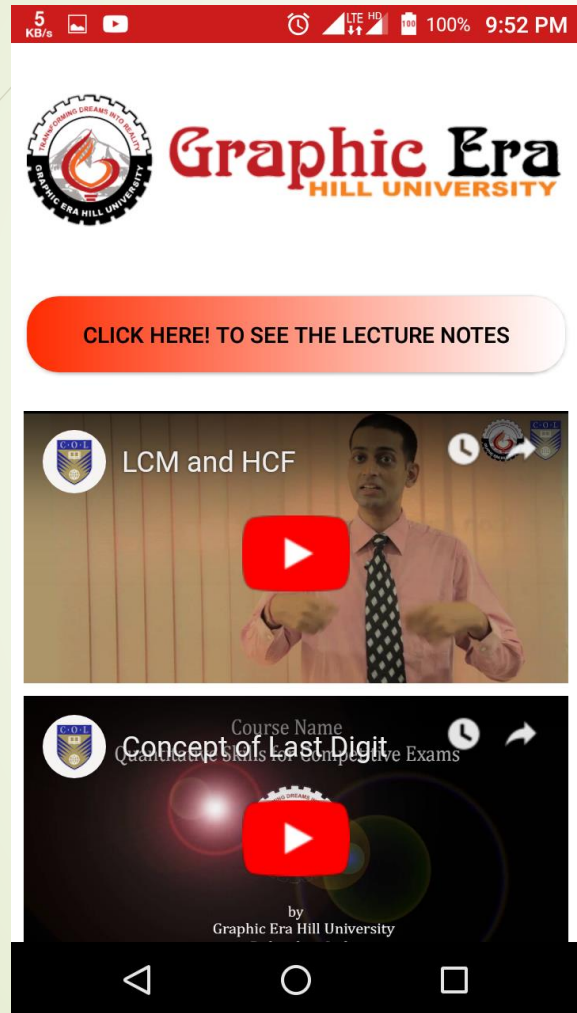
Attach the uploaded file (in PDF format)

ADD FILE

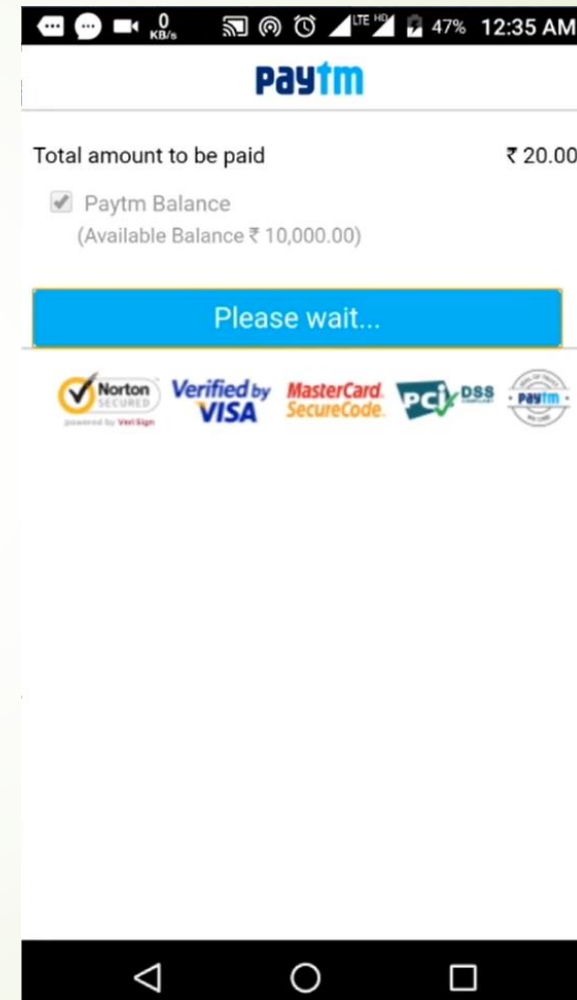
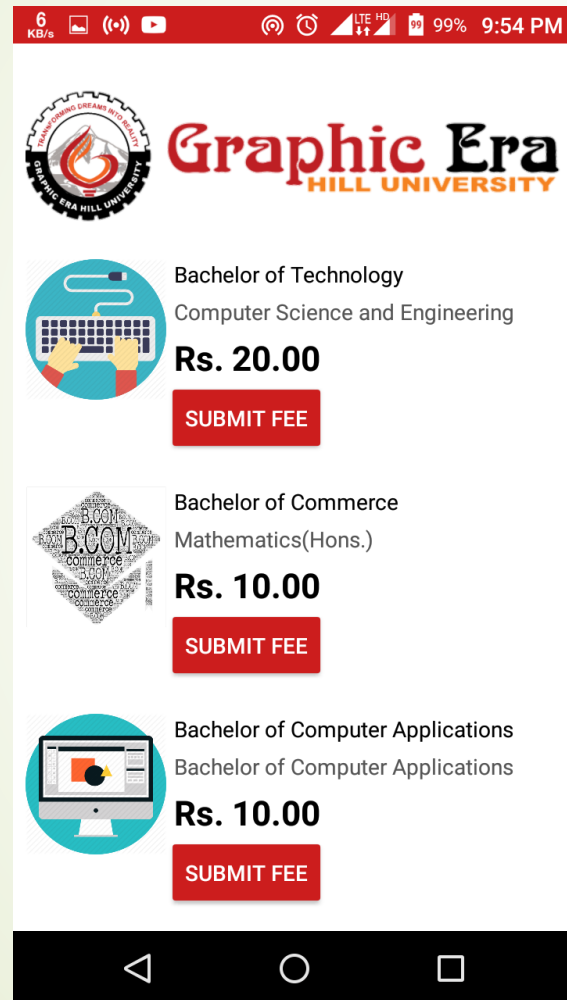
☐ I Agree, that the uploaded content is genuine

Upload File

Screenshots (Online Lectures)



Screenshots (Online Payment)



Screenshots (Online Payment)

The screenshot displays the Paytm dashboard for a business account. The interface includes a sidebar with navigation options like 'Get Started', 'Activate Account', 'Dashboard', 'Transactions', 'Settlements', 'Refunds', 'Reports', 'Accept Payments', and 'Developers'. The main content area shows a 'Test mode' notification and a 'Transactions' section with filters for 'Today, 24 May' and 'Success'. A summary box indicates 'TOTAL PAYMENTS ₹20.00' and 'TRANSACTIONS 1'. Below this, a table lists the transaction details:

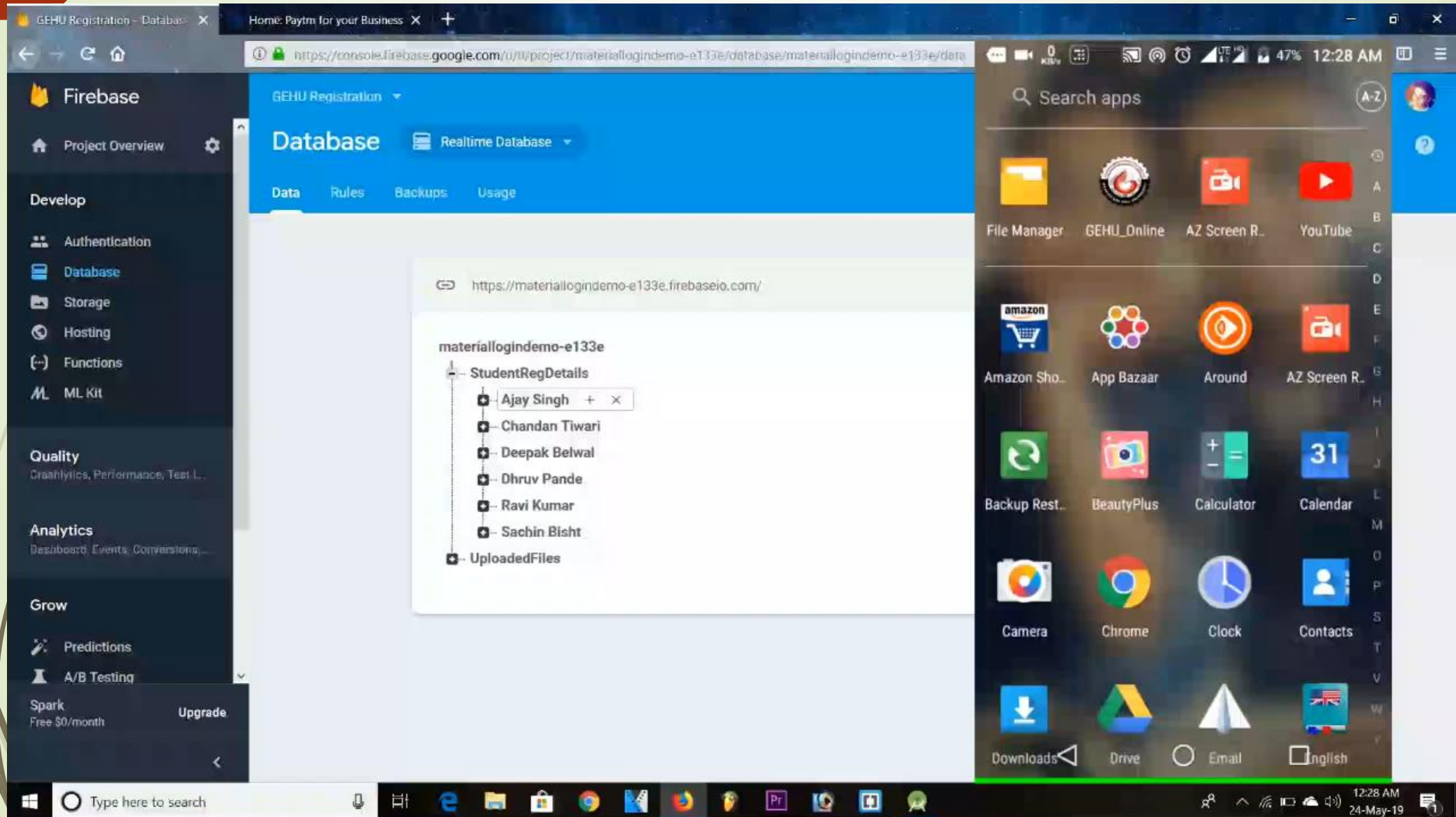
Transaction ID	DATE	ORDER ID
20190524111212800110168535700518982	24 May, 12:35 AM	651b2

A 'Transaction Successful' tooltip is visible over the transaction ID. On the right side, there are three course listings from Graphic Era Hill University, each with a 'SUBMIT FEE' button:

- Bachelor of Technology** (Computer Science and Engineering) - Rs. 20.00
- Bachelor of Commerce** (Mathematics(Hons.)) - Rs. 10.00
- Bachelor of Computer Applications** - Rs. 10.00

The footer of the dashboard shows copyright information for One97 Communications Pvt. Ltd. and links to Terms of Service and Privacy Policy. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 12:36 AM on 24-May-19.

App Video (GEHU_Online)





Pros/Cons

➡ Pros:

1. Freely available to all
2. Online Fee Submission & Registration
3. Best quality of videos and notes are provided at the same place
4. Time Saving

➡ Cons:

1. Internet Connection
2. Paytm fixed Wallet limit



Conclusion

➡ Why we use “GEHU_Online App”?

-> **reliable**

-> **easy to use**

-> Makes students independent

-> **Best quality lectures are provided here**

-> Here **students can save their valuable time.**



THANK YOU