# VIT Slate

**Empowering College Students** 

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kunaldesign.com

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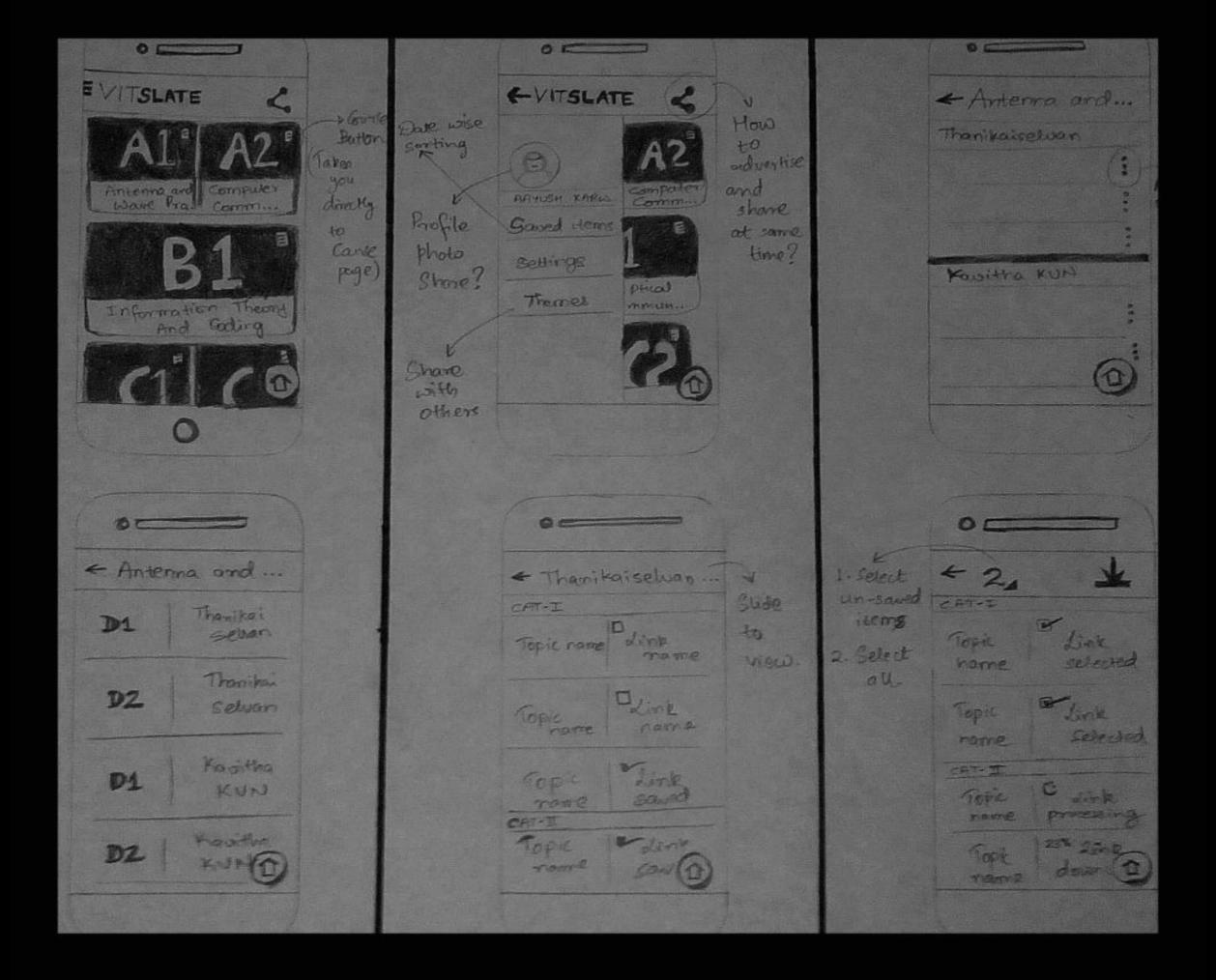
# HOW IT ALL STARTED

In 2012, smartphones were fundamentally changing the way we interacted with technology.

As smartphones became more common among the students, they increasingly preferred to study their course material on their mobiles rather than their laptops. But the web-only experience of the university platform limited their ability to download and access their course material on their phones with ease.

So, I decided to create something which will enable them to access their course material anywhere, anytime.

With no experience of Android development or design, initially, I **struggled** to communicate my vision to the people. To help them understand my goal, I decided to **sketch** my designs.



Inspired by my vision, 2 of my juniors joined me in this journey and for the next year we worked really hard to make it a reality.  $\bullet \bullet \bullet \bullet$ 

## THE CHALLENGES

### THE CHALLENGES



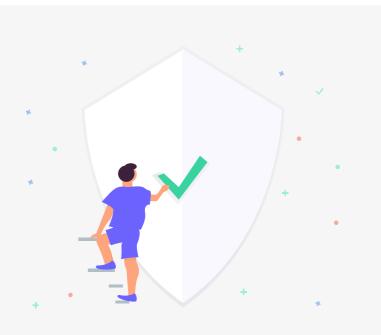
### Security

University platform needed username and password to access course material. We had to make sure to handle the sensitive data securely to avoid any misuse.



### Connectivity

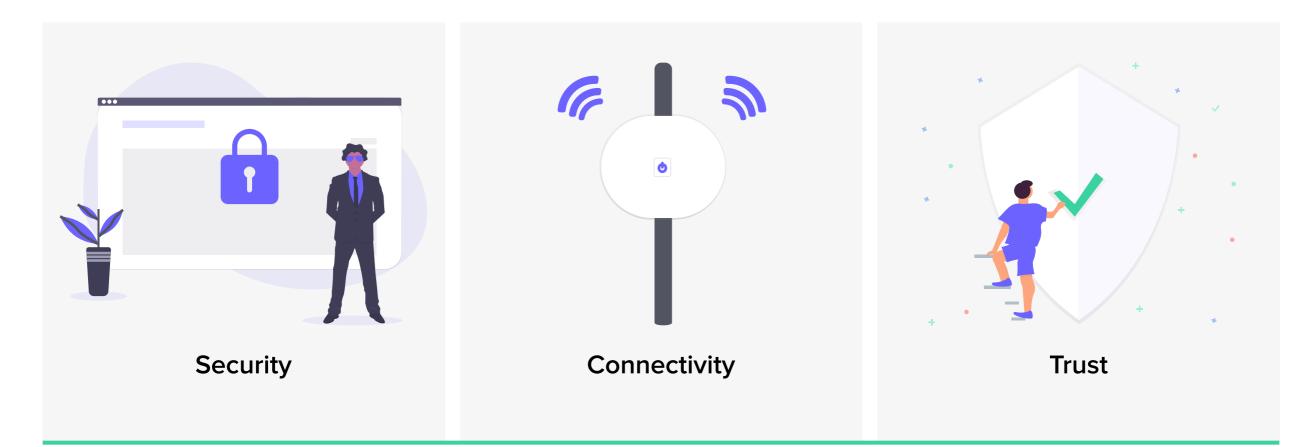
In the initial days, very few people used data plans and the connectivity was erratic. However, that shouldn't prevent the students to access their course material.



### Trust

Since, this was first in its type of application, gaining trust of the college fraternity was critical for the success of the app. 

### SOLUTIONS

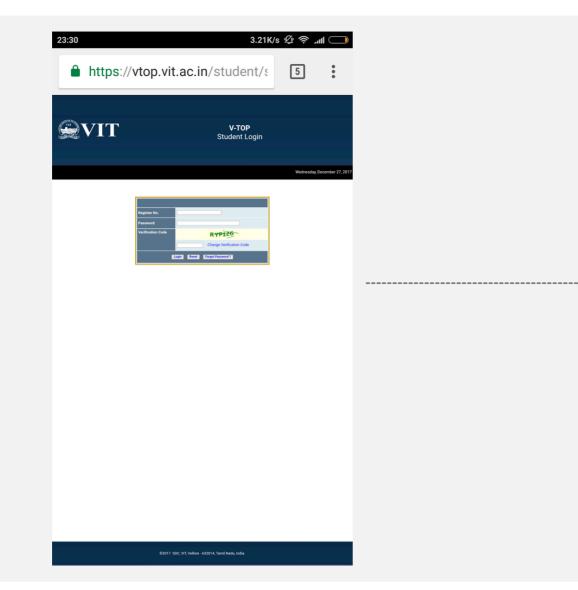


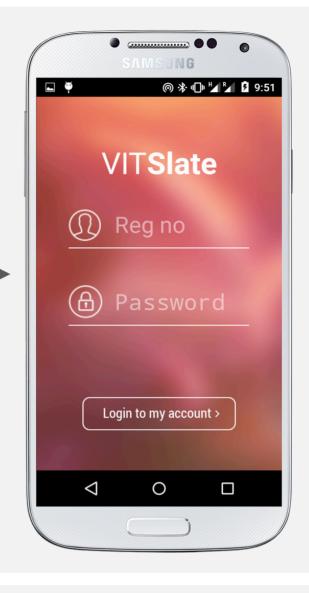
For security, we stored the sensitive data in the local storage using 32-bit SSL encryption. This eliminated the need of external cloud storage and corresponding data breach. We saved a local copy of the course material as soon as the student accessed it. This enabled him to access the course material any time even without even data connection. We decided to keep the tone of the application very friendly and launch an online marketing campaign to promote the application among the college fraternity. THE JOURNEY

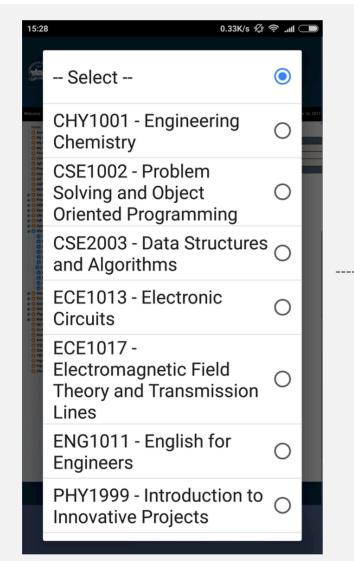
For the next year, we worked day and night to make my vision a reality. We collaborated to discuss the problems, tasks and new ideas. To bring regularity in our work, we created a system of weekly meetings and maintained minutes' archive to track our progress.  $\bullet\bullet\bullet\bullet$ 

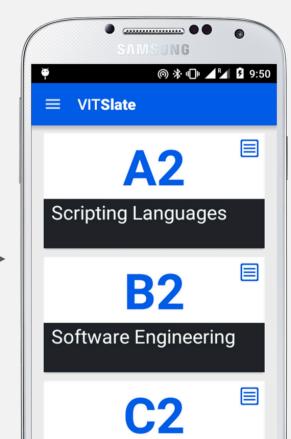
# THE LAUNCH

### **BEFORE AND AFTER**



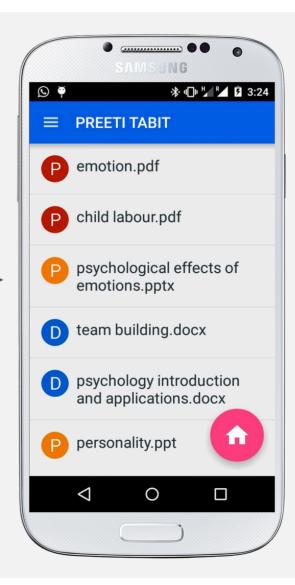




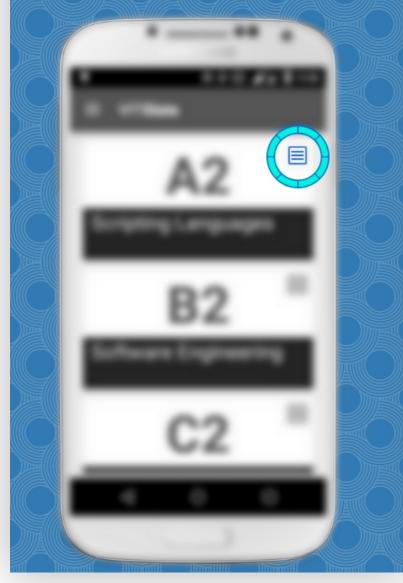


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me Academic Regulations	No.	Lecture Date 05-JAN-2017	Lecture Day THU	Lecture Topic General introduction to Engineering Chemistry	Reference Material
My Orientation My Profile	2	09-JAN-2017	MON	Introduction to Polymers- Classification Types of Polymerization	1 - Reference Material I
My Curriculum	3	10-JAN-2017	TUE	(Chain & Step growth) Plastics: Thermoplastic & Thermo setting resins	
Faculty Information Circular	3 4	10-JAN-2017 12-JAN-2017	THU	Phastics: Inermoprastic & Inermo setting resins Properties and engineering applications of ABS, PVC, Teffon and Bakelite	
Syllabus Program Migration	5	19-JAN-2017	THU		
Internship Diary	-	19-JAN-2017 23-JAN-2017	THU MON	applications of Conducting polymers Degradable Polymers- modes of degradation - Biodegradation;	
VIT Scholarship(FAS) U SAP	ipiead			Conditions for biodegradation	
NCAT Service Request	7	24-JAN-2017	TUE	Basics of fuels and comparison of characteristics of solid, liquid and gaseous fuels	1 - Reference Material I
Proctor	8	30-JAN-2017	MON	Calorific value - Definition of LCV, HCV. Measurement of calorific value using bomb calorimeter	
DSW Events Research	9	31-JAN-2017	TUE	Determination of calorific value by Boy's calorimeter	
Library Fall Sem 2017-18	10	07-FEB-2017	TUE	Coal ultimate analysis and its significance	
Summer Sem 2016-17 Winter Sem 2016-17	11	09-FEB-2017	THU	Knocking and chemical structure, octane number and cetane number and their importance	1 - Reference Material I
O Time Table	12	11-FEB-2017	MON	Combustion calculation and numerical problems	1 - Reference Material I
Project Work     Attendance	13	13-FEB-2017	MON	Biodiesel-synthesis, advantages and commercial applications	1 - Reference Material I
Course Page					
O SET Conference	14	14-FEB-2017	TUE	Types of impurities in water a'5" Physical, chemical and biological including hardness causing impurities	1 - Reference Material I
CAL - Theory/ Lab/ I Marks	Project 15	16-FEB-2017	THU	pH, DO, TDS, COD and BOD in water	
O Re-Exam Request	16	27-FEB-2017	MON	Alkalinity of water and its estimation	
O Arrear	17	28-FEB-2017 02-MAR-2017	TUE	Estimation of hardness by EDTA method-numerical problems	
Inter Sem 2016-17 Tri Sem 2016-17	18	02-MAR-2017	THU	Boiler troubles - scale, sludge, priming, foarning, caustic embrittlement and boiler corrosion	1 - Reference Material I
Archives	19	06-MAR-2017	MON	Internal conditioning #5" Phosphate and calgon conditioning mathems:	
Hosteller Physical Education	20	07-MAR-2017	TUE	External softening methods: Lime Soda process-numerical problems	
Riviera Registration QC Meeting	21	09-MAR-2017	THU	Zeolite process and ion exchange including mixed bed ion exchange	
Co-Extra Curricular	22	14-MAR-2017	TUE	processes. Specifications for potable water e%" Steps involved in treatment of	1 - Reference Material I
Academic History Arrear Grades				water for municipal supply	
(C)GPA Calculator Question Bank	23	16-MAR-2017	THU	Disinfection of water by chlorination, ozonisation and UV treatment; Reverse osmosis & its significance	
TEE Question Bank	24	19-MAR-2017	TUE		
Paper Seeing Paper Re-Evaluation	25	20-MAR-2017	MON	Types of Membranes a%" Ultrafiltration, Nanofiltration (example. ZnO)	
Change Password	26	21-MAR-2017	TUE	Types and mechanism BTs" dry and wet corrosion	1 - Reference Material I
	27	23-MAR-2017	THU	Forms of corrosion [Differential aeration, pitting, Galvanic and stress corrosion cracking]	
	28	27-MAR-2017	MON	Cathodic protection a 5° sacrificial anodic and impressed current	
	29	28-MAR-2017	TUE	protection methods	
	30	30-MAR-2017	THU	galvanizing and tinning: electroplating-process and typical	1 - Reference Material I
	31	10-4PR-2017	MON	applications, metal cladding	
	31	10-APR-2017 11-APR-2017	MON	Coating processes B% PVD and CVD and applications Basic concepts of cells and batteries-nominal voltage, operating	1 - Reference Material I
				voltage, capacity, self discharge, depth of discharge, energy density, service life, shelf life	
	33	13-APR-2017	THU	Electrochemistry of Primary cells BT' Comparative features and applications of Lechlanche	
	34	17-APR-2017	MON	alkaline and Li-primary cells	
	35	18-APR-2017	TUE	Secondary cells - Lead ${\bf B} {\bf \overline{5}}^*$ acid , chemistry, working and applications	1 - Reference Material I
	36	20-APR-2017	THU	Ni-Cd, Chemistry, working and applications	

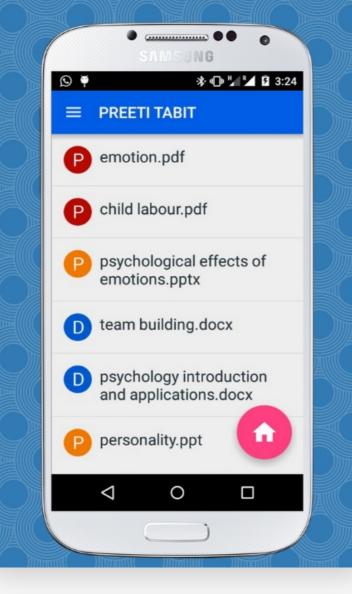


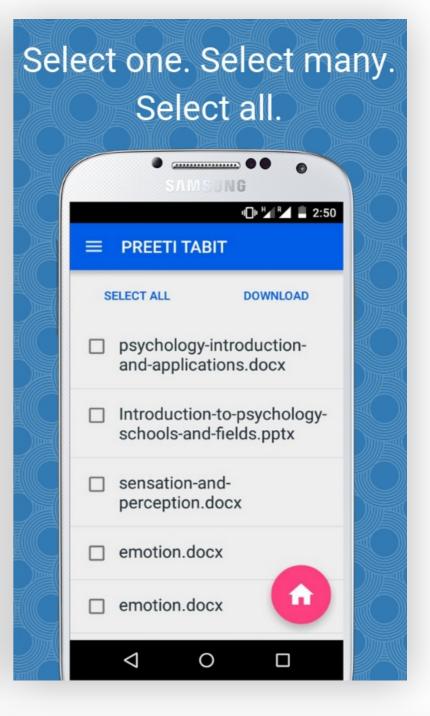


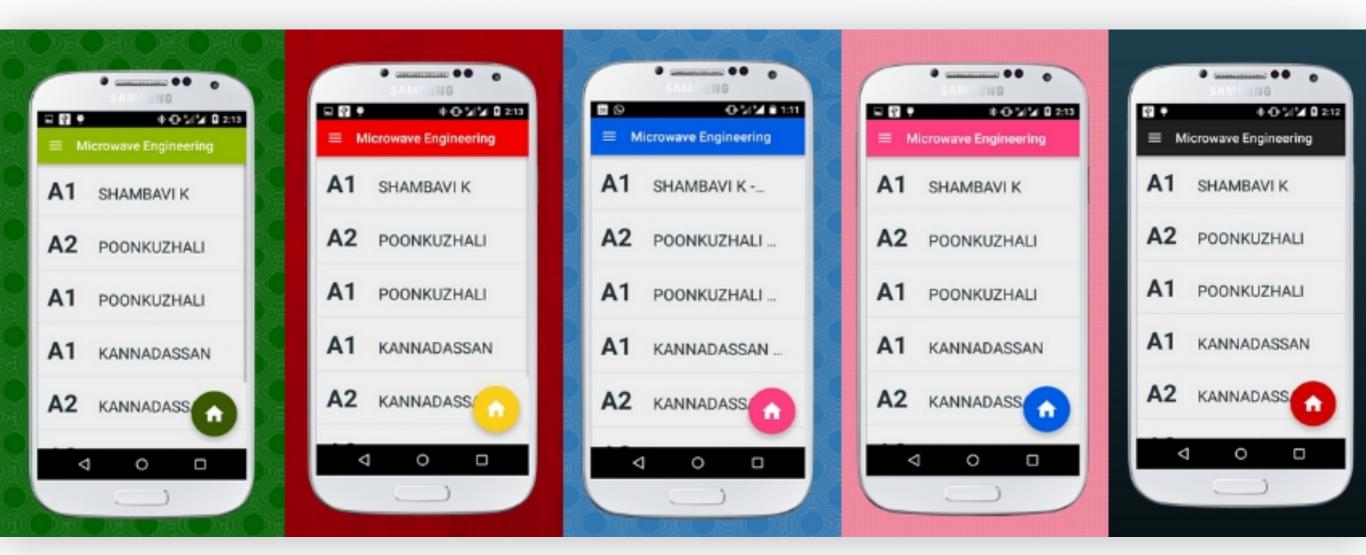
# 'Course Button' takes you directly to the course page.



# Downloaded material arranged elegantly.







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## RESPONSE

### RESPONSE

8000+

university students reached

1500+

downloads in two weeks

**4.6/5** all time playstore rating

#### 

### **REVIEWS**



Shubham sharma Nov 17, 2015 at 6:33 PM 🍿 0 🖤 0

### \*\*\*\*

THANKS A LOT May god bless you with your endeavors. This app has been a great use for me. Thanks a lot.



Nikhil Choudhary Oct 5, 2015 at 8:42 PM 🍿 0 🖤 0

### \*\*\*\*

Awesome App !! Keep it up!!

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### **OUR LEGACY CONTINUES**

Passing the baton

After completing the college degree, we decided to pass on the baton, and so we made the entire project public. We are happy that our juniors have shown a great response.

I'm proud that many apps have been created using our app framework and hope more will be, in the future.