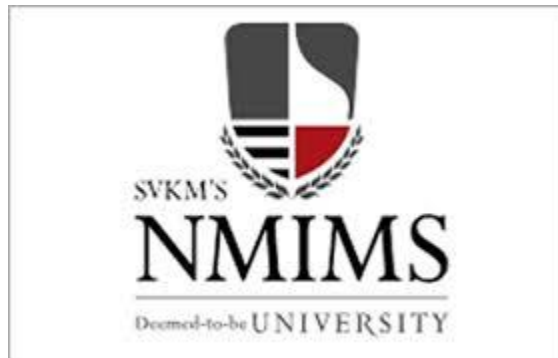


ALL ‘BOUT COLLEGES

**A Mini-Project Report
Under
IMPLEMENTATION OF TECHNOLOGY**

Submitted by
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Under The Guidance Of
PROF .RATNESH CHATURVEDI
in partial fulfillment for the award of the degree
of
**MBA Tech
IN COMPUTERS**



**at
NMIMS'S MUKESH PATEL SCHOOL OF TECHNOLOGY
MANAGEMENT & ENGINEERING, MUMBAI**

APRIL, 2016

CERTIFICATE

This is to certify that the project entitled **All 'Bout Colleges** is the bonafide work carried out by **Manasvi Vakharia, Rolee Srivastava and Meghna Vyas** of MBATech (Computer Engineering), MPSTME (NMIMS), Mumbai, during the fourth semester of the academic year 2015-2016, in fulfillment of the requirements for the award of the Degree of MBATech as per the norms prescribed by NMIMS. The project work has been assessed and found to be satisfactory.

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Internal Mentor

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Examiner 2

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DECLARATION

We Manasvi Vakharia, Rolee Srivastava and Meghna Vyas of MBATech (Computer Engineering), semester- IV, understand that plagiarism is defined as anyone or combination of the following:

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Name:

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Place: Mumbai

Date: April 2016

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ACKNOWLEDEMENT

We have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals. We would like to extend our sincere thanks to all of them.

We are highly indebted to Prof. Ratnesh Chaturvedi for his guidance and constant supervision as well as for providing necessary information regarding the project & also for his support in completing the project.

We would like to express our gratitude towards our parents for their kind co-operation and encouragement which helped us in completion of this project.

Our thanks and appreciations also go to our batch mates in developing the project and people who have willingly helped us out with their abilities.

Abbreviations

Abbreviation	Description
ADB	Android Debugging Bridge
ADT	Android Development Tools
Android SDK	Android Software Development Kit
ART	Android Runtime
CPU	Central Processing Unit
GPU	Graphic Processing Unit
IPS	In-Plane Switching
LCD	Liquid Crystal Display
RAM	Random Access Memory
SQL	Structured Query Language
XML	Extensible Markup Language

ABSTRACT

The application, as the name says is all about colleges in Mumbai. It provides a detailed description of the colleges along with the different courses, past three year cut-off of those courses and the related fee structures. As soon as the user fills the basic requirements and the his/her field of interest, he will be provided with a list of colleges in accordance to his requirements.

As soon as the user opens the app, a welcome screen containing the logo and name of the application is displayed. After proceeding the next screen asks the user to enter the details for signing up for an account (name, email, password). It also gives him to option to login if he already has an account. The next screen asks for details like qualifications and stream from the user. After the user chooses the stream, a list of colleges will be displayed accordingly. The user will chose the college from the list provided. After selecting the college the user will be directed to the homepage of the college. It will contain different folders like brief description of the college, fee structure and yearly cutoffs of the chosen course.

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INTRODUCTION

Introduction to Android:

Android is an open source and Linux-based operating system for mobile devices such as smart phones and tablet computers. Android was developed by the Open Handset Alliance, led by Google, and other companies.

Android provides a rich application framework that allows you to build innovative apps and games for mobile devices in a Java language environment.

Android Architecture:

Android operating system is a stack of software components which is roughly divided into five sections and four main layers as shown below in the architecture diagram.

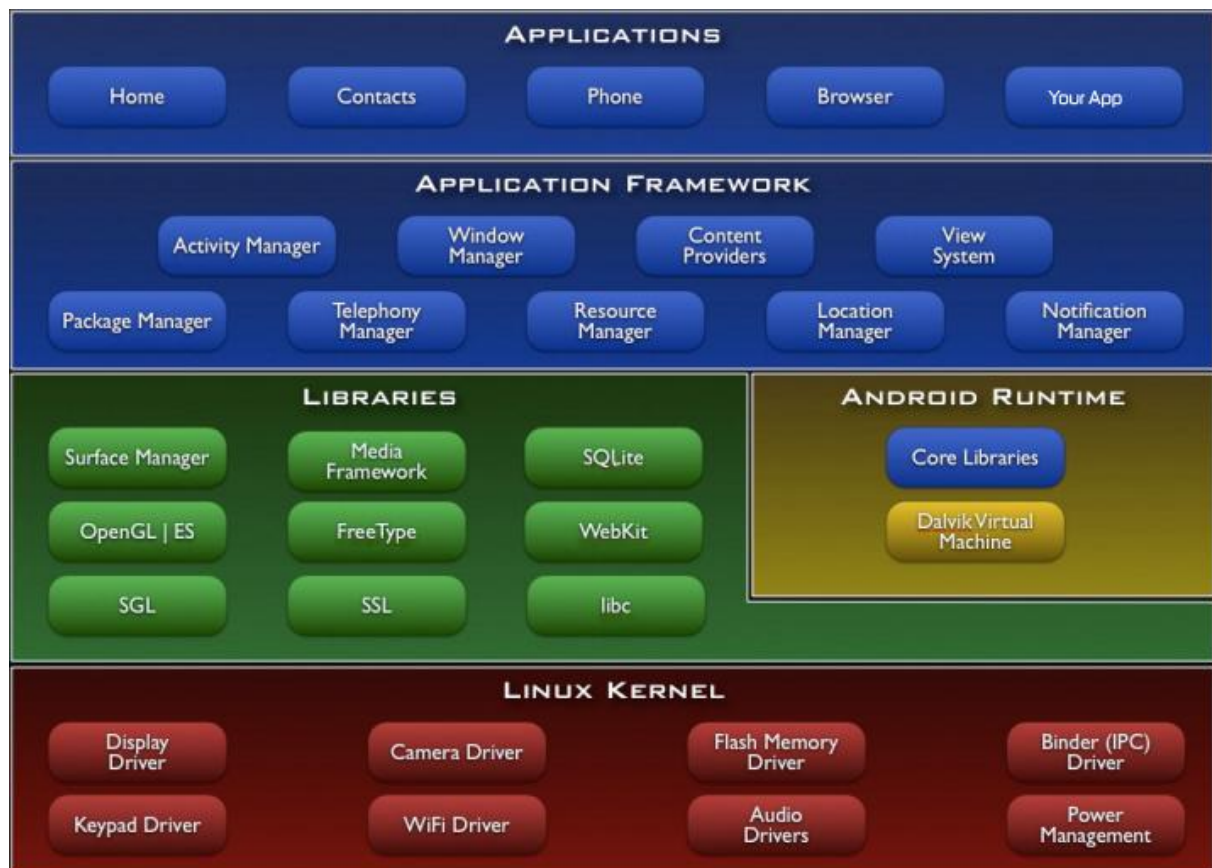


Fig 1.1

Android gives you a world-class platform for creating apps and games for Android users everywhere, as well as an open marketplace for distributing to them instantly. Android operating system is a stack of software components which is roughly divided into five sections and four main layers as shown below in the architecture diagram.

- PowerVR SGX 540 GPU.
- Memory:
 - 768 MB RAM
 - 1 GB of Flash Memory
 - Micro-SD card slot (Optional)
- Screen:
 - 3.5-inch LCD display
 - Capacitive or Resistive touch

During Development of the application, a Nexus 4 was used to develop and test the application.

Software Specification

All 'Bout Colleges is designed to work on Android 4.0, Ice Cream Sandwich and above.

Apart from Android 4.0 and above, the application, like most android applications can run on the following Operating Systems:

- Blackberry OS 11
- Sailfish OS
- Chrome OS
- Color OS
- INUI OS
- YUN OS
- Nokia X mobile Platform

Some of these are based on android, while some (Bbos 11, Sailfish OS) are made compatible to run android applications. Following is the list of Android versions on which All 'Bout Colleges has been tested:

- Android 4.0 (Ice Cream Sandwich)
- Android 4.2 (Jellybean)
- Android 4.3 (Jellybean)
- Android 4.4 (KitKat)
- Android 5.0 (Lollipop)
- Android 5.0.2 (Lollipop)
- Android 5.1 (Lollipop)

This gives the application a broad platform, as these operating systems are in majority of smart phones being used by prospective users.

The application needs an stable internet connection to run efficiently.

Review of Literature

A literature review is a text of a scholarly paper, which includes the current knowledge including substantive findings, as well as theoretical and methodological contributions to a particular topic. Most often associated with academic-oriented literature, such as a thesis, dissertation or a peer-reviewed journal article, a literature review usually precedes the methodology and results section although this is not always the case. Literature reviews are also common in a research proposal or prospectus. Its main goals are to situate the current study within the body of literature and to provide context for the particular reader. Literature reviews are a basis for research in nearly every academic field.

Java:

Java is a set of several computer software and specifications developed by Sun. Microsystems, later acquired by Oracle Corporation, that provides a system for developing application software and deploying it in a cross-platform computing environment. Java is used in a wide variety of computing platforms from embedded devices and mobile phones to enterprise servers and supercomputers. While less common, Java applets run in secure, sandboxed environments to provide many features of native applications and can be embedded in HTML pages.

Writing in the Java programming language is the primary way to produce code that will be deployed as byte code in a Java Virtual Machine (JVM); byte code compilers are also available for other languages, including Ada, JavaScript, Python, and Ruby. In addition, several languages have been designed to run natively on the JVM, including Scala, Clojure and Groovy. Java syntax borrows heavily from C and C++, but object-oriented features are modeled after Smalltalk and Objective-C. Java eschews certain low-level constructs such as pointers and has a very simple memory model where every object is allocated on the heap and all variables of object types are references. Memory management is handled through integrated automatic garbage collection performed by the JVM.

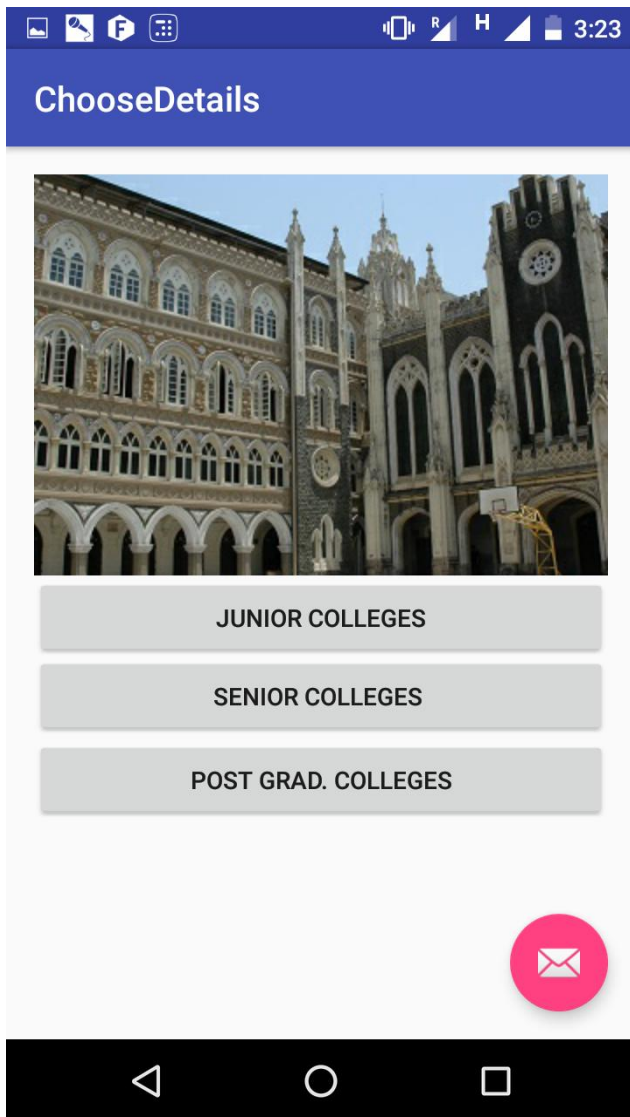
ANALYSIS & DESIGN

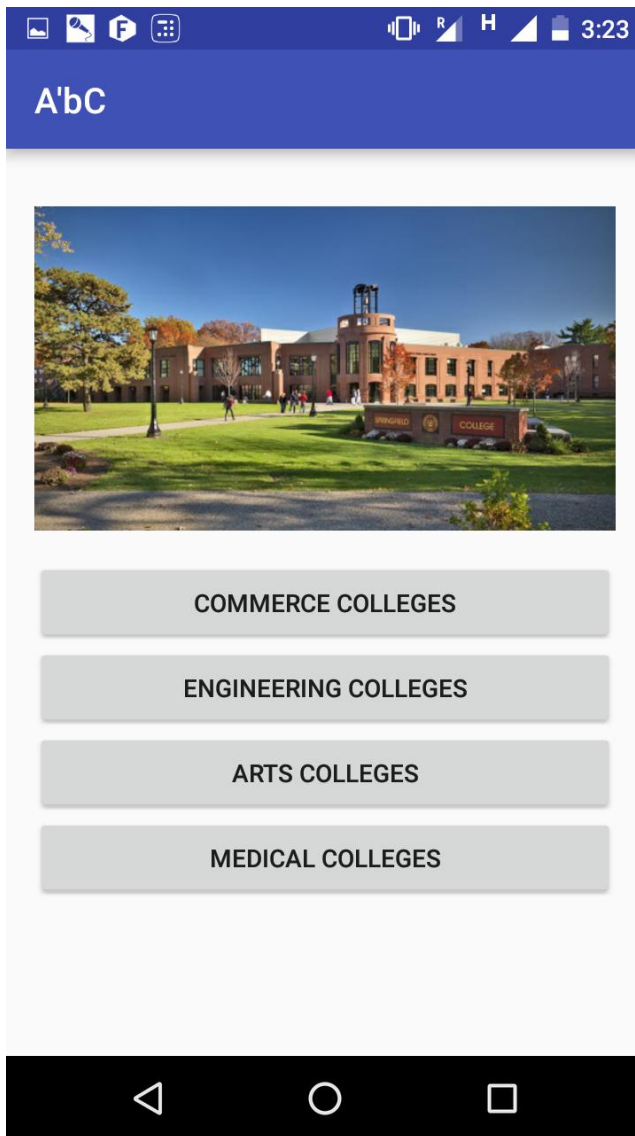
During the conception of the application, the requirements were mapped out first. This included analyzing the need of this application, its features and figuring out a list of functions it would perform during operation. This largely consisted of the analysis.

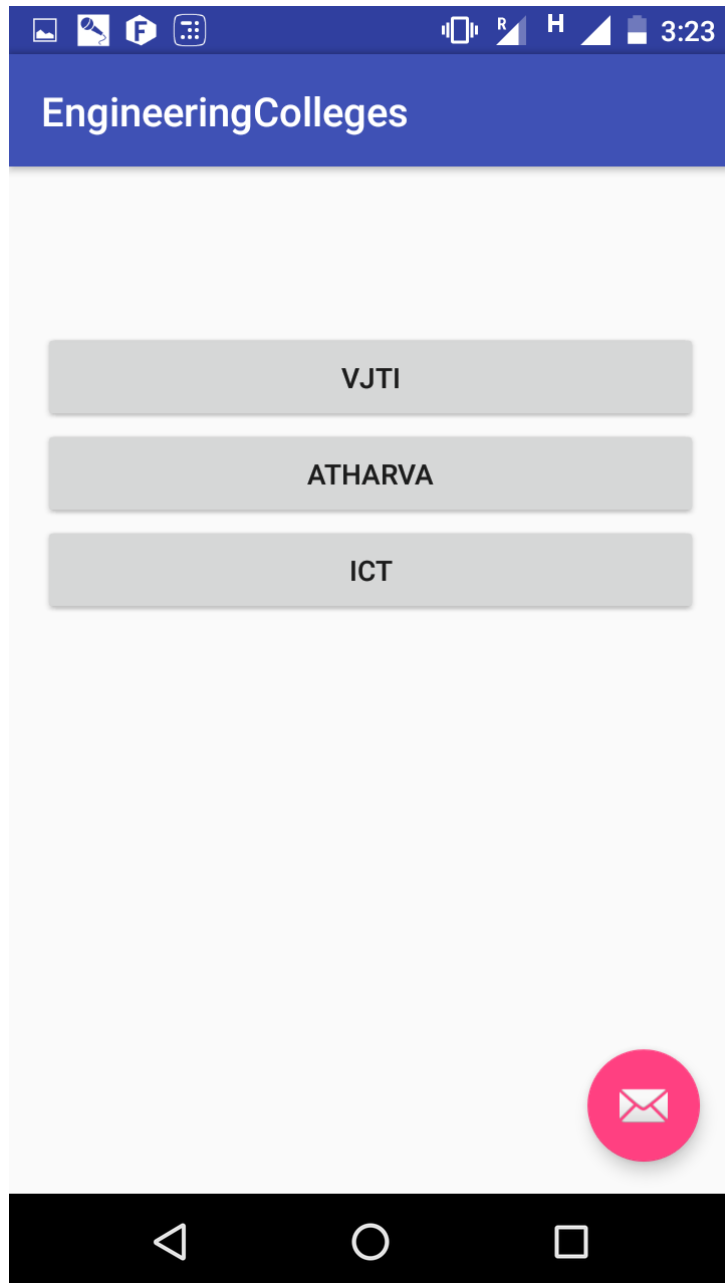
After performing a complete analysis, the design of the application was pursued. Abnegate was designed using material design. Material design is a comprehensive guide for visual, motion, and interaction design across platforms and devices.

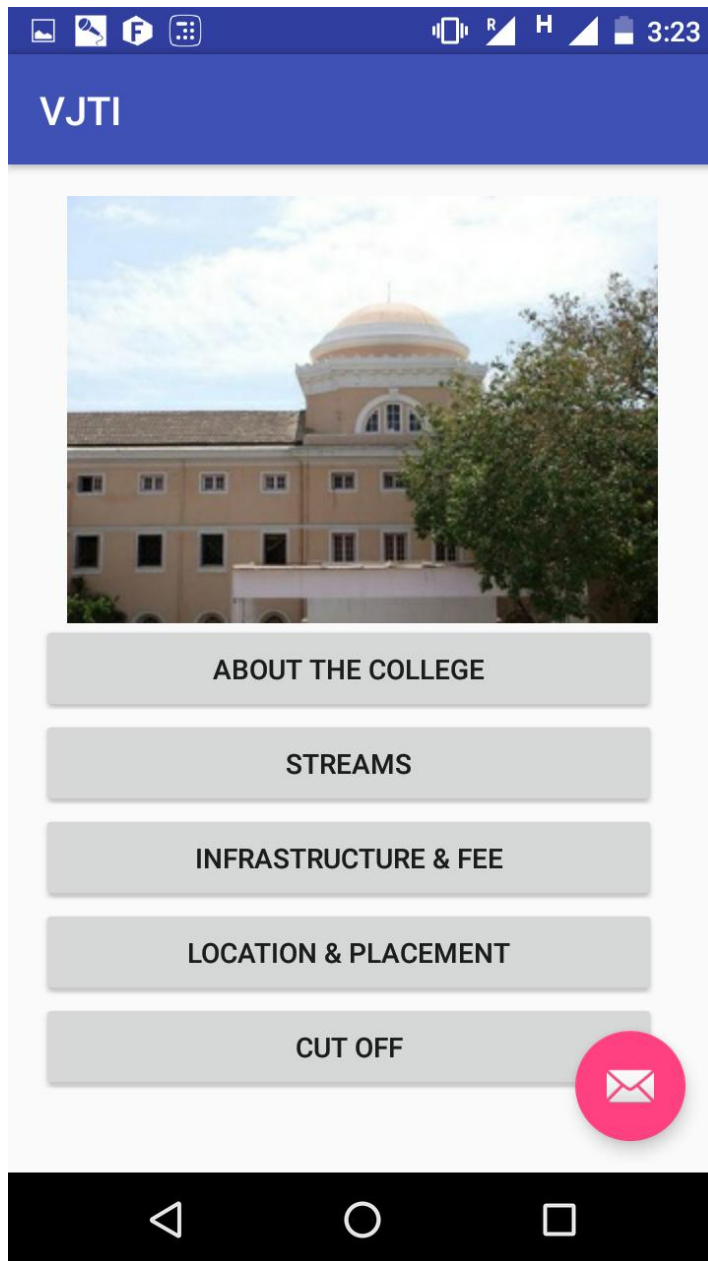
LIST OF FIGURES AND TABLES

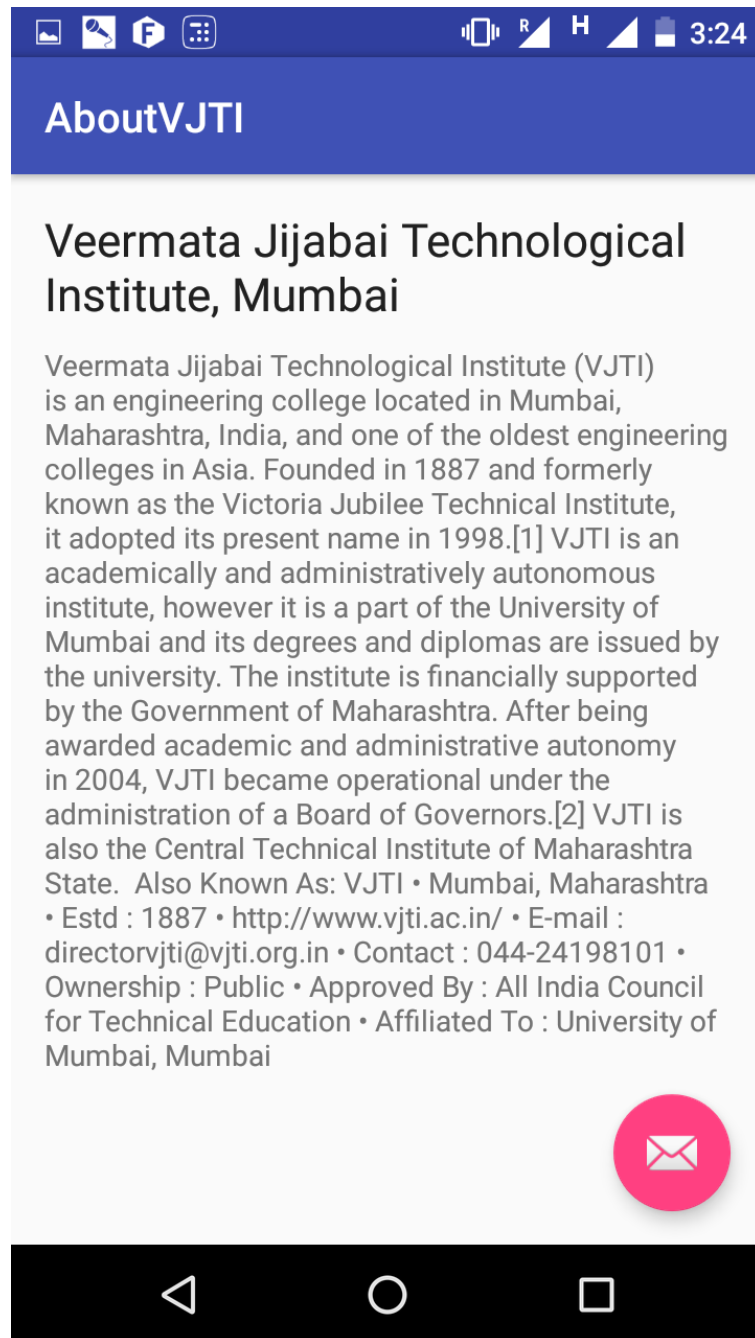












AboutVJTI

Veermata Jijabai Technological Institute, Mumbai

Veermata Jijabai Technological Institute (VJTI) is an engineering college located in Mumbai, Maharashtra, India, and one of the oldest engineering colleges in Asia. Founded in 1887 and formerly known as the Victoria Jubilee Technical Institute, it adopted its present name in 1998.[1] VJTI is an academically and administratively autonomous institute, however it is a part of the University of Mumbai and its degrees and diplomas are issued by the university. The institute is financially supported by the Government of Maharashtra. After being awarded academic and administrative autonomy in 2004, VJTI became operational under the administration of a Board of Governors.[2] VJTI is also the Central Technical Institute of Maharashtra State. Also Known As: VJTI • Mumbai, Maharashtra • Estd : 1887 • <http://www.vjti.ac.in/> • E-mail : directorvjti@vjti.org.in • Contact : 044-24198101 • Ownership : Public • Approved By : All India Council for Technical Education • Affiliated To : University of Mumbai, Mumbai





Location And Placements

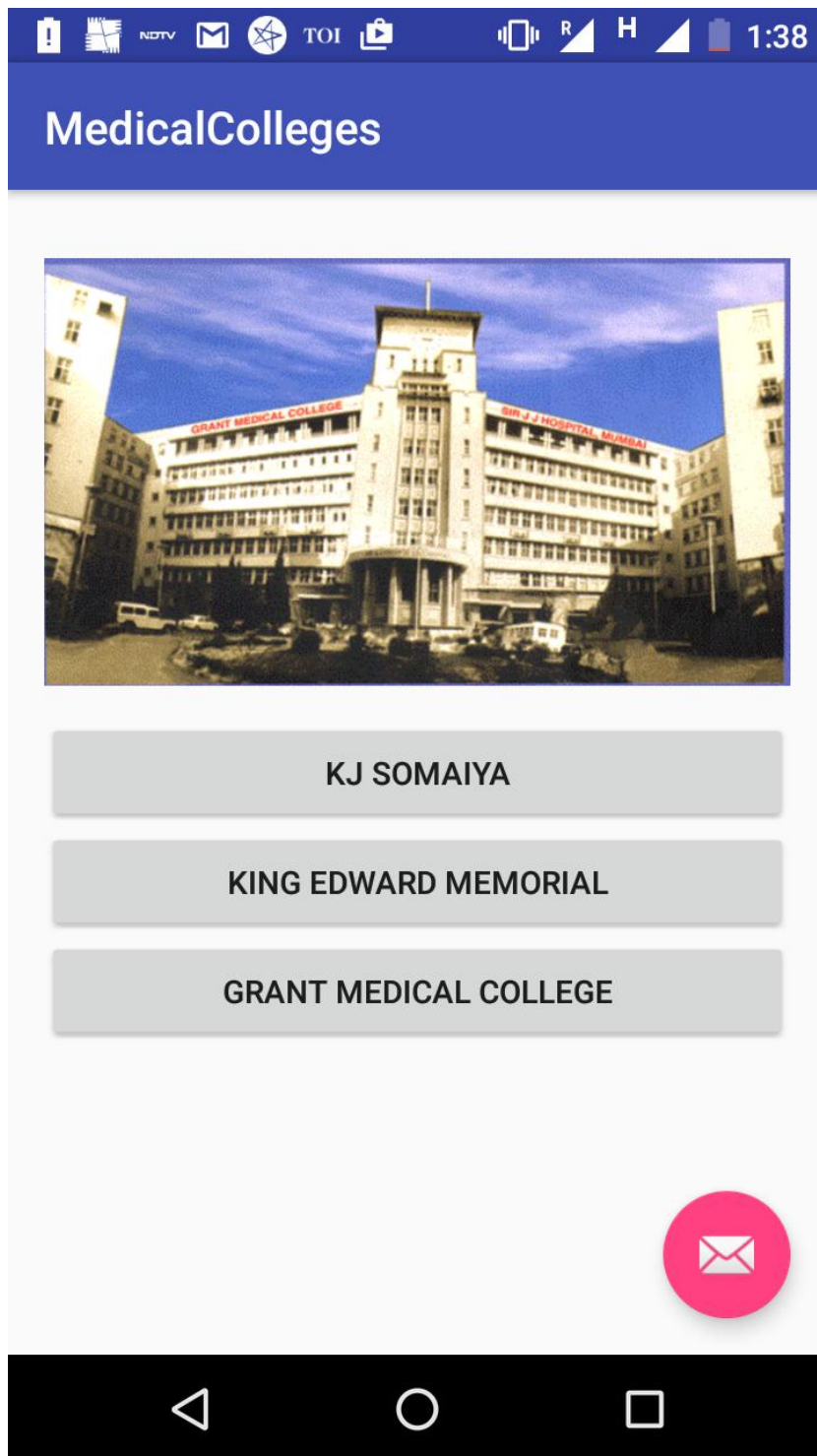
Location:


Veermata Jijabai Technological Institute, popular as VJTI, is an esteemed autonomous government engineering institute located in central Mumbai. It is just a 5 minute drive or 12-15 minute walk from Dadar (W. Rly & C. Rly.), Matunga (C. Rly.), Wadala (Harbour Rly.) and King's Circle (Harbour Rly.) stations. Number of BEST buses plying from all parts of Mumbai is also a good option to reach the college.

Placements:


Placements at VJTI are certainly top notch. The college has consistently maintained the cent percent streak for most of the department. The name of the institute and its legacy are enough to get excellent placements, perhaps the best in Mumbai after IIT-B. Multinational companies like Microsoft (16 lpa), Google (19.95 lpa), Goldman Sachs, Oracle, Morgan Stanely, Yahoo and Deloitte also place a few students sometimes. Amongst mass recruiters Infosys, L&T and Cognizant tops the chart. Average salary is around 3.5 lakhs p.a. Special thing about placements here is that core engineering branches of Civil, Mechanical & Electrical don't have to compromise by taking up an IT job. They get branch specific job profiles, which is hardly to be found in any Mumbai University colleges.







K.J. Somaiya Medical College and R...




ABOUT THE COLLEGE

STREAMS

INFRASTRUCTURE & FEES

LOCATION & PLACEMENT

CUT OFF



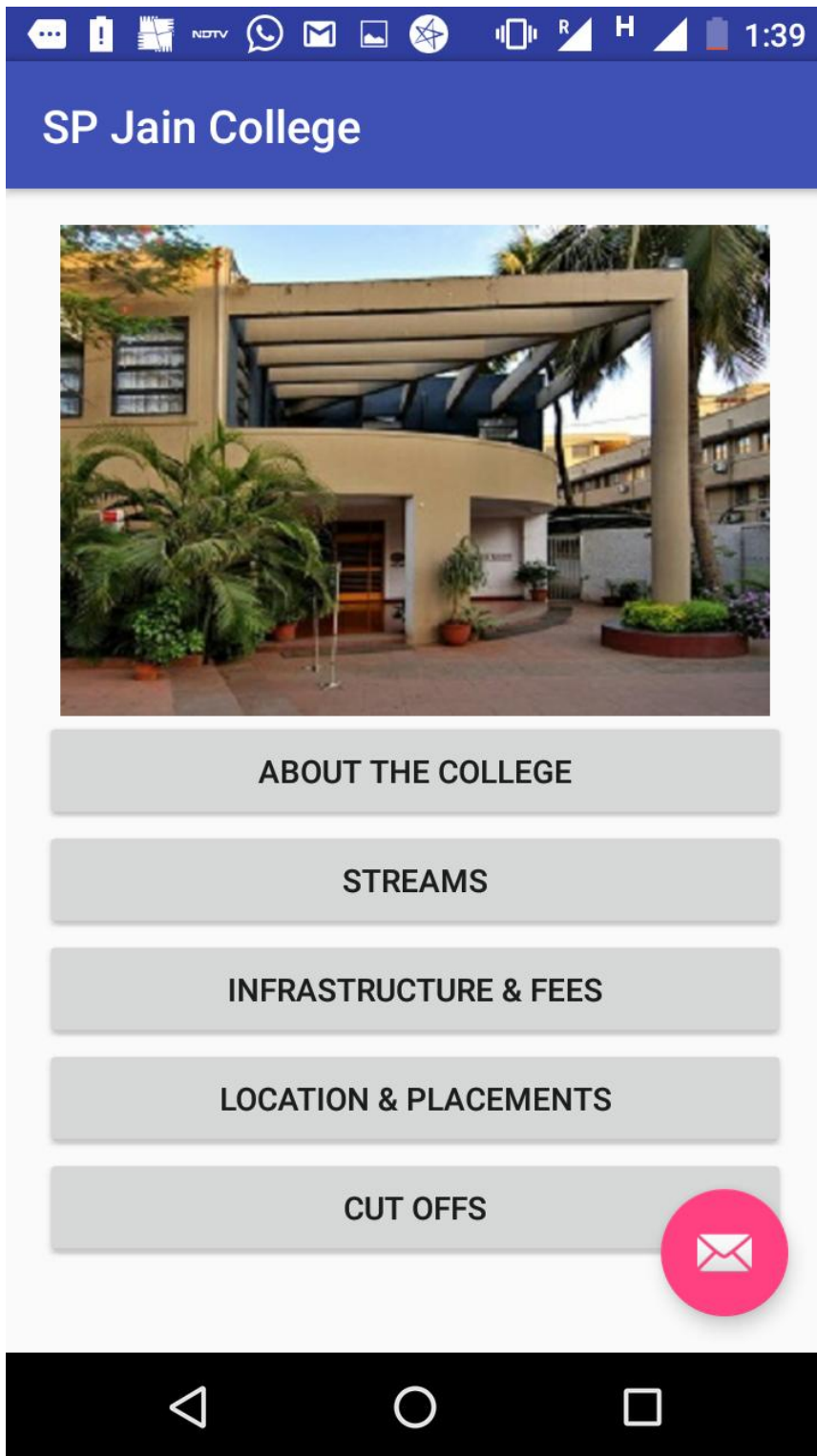
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KJ Somaiya Medical College & Research Centre (KJSMCRC), Mumbai is a private medical college owned and managed by the Somaiya Medical Trust. The primary aim of the institute is to be a leading provider of professional Medical Education in the Country, integrating highest standards of academic excellence with ethics and spirituality and providing Health Care to the Society.





Location & Placements

Location

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26232401
Email: spjicom@spjimr.org
Website: www.spjimr.org

located in the heart of Mumbai city, the commercial capital of India and a global financial hub. It is located within the Bhartiya Vidya Bhavan's campus in a suburb of Mumbai.

Placements

Placement season 2015 was marked with grand success with 100% placement Final placement snapshot (2015): Average salary : 18.2 lakhs p.a
Participating companies : 78 First time Recruiters : 25 80% of the batch has offers of Rs. 15 lakhs p.a and more Median salary for the batch of 232 students was 17.0 lakhs p.a

METHODS IMPLEMENTED

Android Studio:

Android Studio is the official IDE for Android application development, based on IntelliJ IDEA. On top of the capabilities you expect from IntelliJ, Android Studio offers:

Flexible Gradle-based build system.

Build variants and multiple apk file generation.

Code templates to help you build common app features.

Rich layout editor with support for drag and drop theme editing lint tools to catch performance, usability, version compatibility, and other problems.

ProGuard and app-signing capabilities.

Built-in support for Google Cloud Platform, making it easy to integrate Google Cloud.

Messaging and App Engine.

RESULTS AND DISSCUSSION

The main frame of the application has been created . A user can create a profile and view events Internally a lot of features can be still accommodated .We are yet to take the App online . Evevy app needs to be updated with new features and we will continue to upgrade the app with new features and building more user friendly screens for this app.

REFERENCES

- <https://www.google.co.in/#q=sophia+college+mumbai>
- <http://www.collegepravesh.com/engineering-colleges/vjti-mumbai/>
- <http://www.spjimr.org/>
- <http://xaviers.edu/main/>
- <https://www.google.co.in/?ion=1&espv=2#q=sydenhem%20college%20architecture>