



# Training & Placement Department Application

Mini Project - Even Semester, 2016

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Under the Guidance of  
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Motilal Nehru National Institute of Technology Allahabad

# Presented by

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# Introduction

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# Background & Research

- Instant Notification
- Data Retrieval
- Data Analysis
- Social Connectivity

# Motivation

- Reducing the manual work and making the process automated
- Notification via Android App/ Web Portal
- e-Notice Board to spread the messages and notices instantly ensuring everyone gets it timely.
- Provide a intra-college social & communication Platform

# Database

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# Challenges

- Data Redundancy- Using Specialization Divided tables
- Improper Normalization- Avoid normalization at some places
- Hard Deletes- Decided to backup data after each successful session

**"Joyce Meyer"**

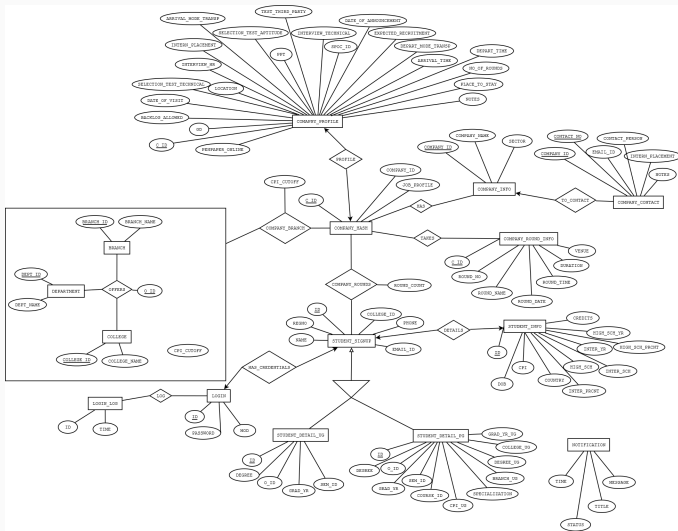
We don't grow when things are easy, we grow when we face challenges



# Future Work

- Unstructured Database- For the social networking and Communication part
- Data Analysis- Analyzing the student performance during interviews
- Globalizing Application- Will have to improve the database in case we globalize and centralize it for other institutes & universities too

# E-R Diagram



### Figure 1: E-R Diagram for T & P Department

# Android Application

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# Challenges

- Problems in UI- built with responsive layout
- Version Dependency- Used API 16: Android 4.1(Jelly Bean)
- Screen size- Created multiple APK's for different screen sizes

# Future Work

- Linking with the database server and fetching data in JSON format
- Automatic Notification and set reminder prompt
- Incorporating the e-Notice Board and Social Communication part

## "Wendy Clark"

If your plans don't include mobile, your plans are not finished.

# Web Application

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# Challenges

- Integration- Reproduced all files and set them accordingly
- Speed- Reduced file size & removed unnecessary data
- Security- Used Middleware feature of Laravel

# Future work

- Adding option to 'Build your Resume'
- Incorporating the Social Communication part
- Enhancing the UI/UX
- Using semi-structured data types like XML to import/export data

**"W. Edwards Deming"**

In God we trust, all others must bring data.



## Screen-shots

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# Android Application Screen-shots

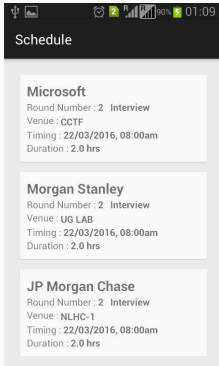


Figure 2: A1

Schedule in Android App

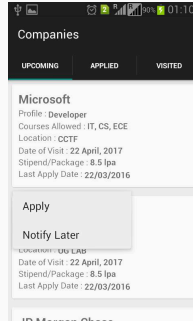


Figure 3: A2

Company Application in  
Android App

# Web Application Screen-shots

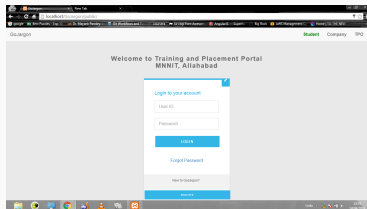


Figure 4: Student Login in Web App

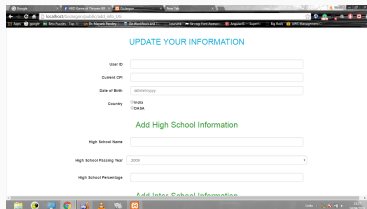


Figure 5: Update Info in Web App

# Web Application Screen-shots

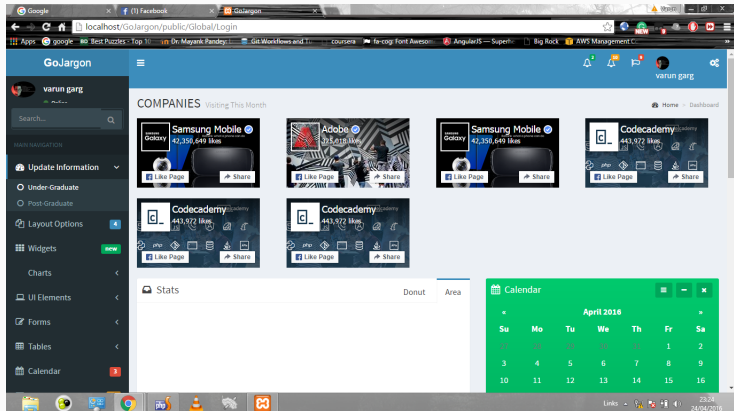


Figure 6: Main Dashboard in Web App

# Conclusion

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# Summary

We want to modernize not only the Training and Placement Department but to increase the possibility of better communication between the students and Institute's Bureaucracy with the help of technology and in this process we don't want to limit it just to our institute but help other Institutes and Universities too.



Suggestions!!!

# References I



Database System Concepts Sixth Edition. Avi Silberschatz · Henry F. Korth · S. Sudarshan. McGraw-Hill ISBN 0-07-352332-1, <http://www.db-book.com/>



Laravel - A PHP Framework, <https://laravel.com/>



Android Studio - Google, <http://developer.android.com/index.html>