A Project Report

ON

PLACEMENT PREPARATION ASSISTOR APP

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<u>CERTIFICATE</u>

Certified that the Special Topics: Mini Project work entitled **(PESIT COLLEGE APP)** is a bona-fide work carried out by **(Sharath KP – 1PI13CS141 , Smitha – 1PI13CS161 , Sangamesh VK – 1PI13CS135)** in partial fulfillment for the award of degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belgaum during the academic semester January 2016 to May 2016.

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ABSTRACT

With exponential increase in number of people possessing smart phones, the need for useful apps that help in our activities is larger than ever. Especially when it comes to something as serious as placements.

In our attempt here, we provide very easy way of preparation for the placements through an app through variety of resources from various domains that are bound to help users.

We abstract the inner details to provide them with only the material making users life easier.

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1. INTRODUCTION

Significant portion of the student community in India pursues engineering. And most of them do so for the reason that engineering betters their chances of getting a good job and earning a good salary. And one of the prominent ways of realizing this dream is placements.

The saying "Failing to prepare is preparing to fail" is totally apt in the case of placements among others. Many students consider this preparation seriously and look for any help they can get.

So, here is our attempt to provide students who aspire to join IT industry with facility to prepare for placements using a lightweight android app.

2. PROBLEM DEFINITION

The scope for preparation in the field of computer science is so huge that it is difficult to come out with a problem definition.

It is about students who need facilities to prepare and present themselves better during written/online tests and interviews for a job in IT industry. Our objective is to provide them with an app that assist them with this preparation.

3. LITERATURE SURVEY

At the beginning of our project, we carried out a search for the apps that assist students in preparing for placements. While there were separate apps for aptitude, for c++, for java etc. We did not find any app that assisted someone aspiring to join IT industry with consolidated material. This turned out to be our task.

4. PROJECT REQUIREMENT DEFINITION

The usage of this project is mainly for students aspiring to join software industry or for those very keen on getting a job with a good salary.

Any person with basic knowledge on how to use an android phone should operate it easily.

5. SYSTEM REQUIREMENT SPECIFICATION

The basic system requirements for our project are:
- Any android phone

- App should be able to provide students with preparation material

- App should provide a way for student to evaluate himself

6. DESIGN

App opens up with a couple of interesting articles and pictures to welcome you to preparation. Then there is a navigation bar provided for choosing from a set of domains to prepare about. Then there is a set of materials like questionnaires for each domain. All of them will then be accessible through a button click. Then there is an evaluation mechanism that not only tells you your total score but which all questions you got right and which all wrong.

7. PSEUDO CODE

We did not feel the need for pseudo code as our project is small and the code was straight forward.

8. RESULTS

The app assisted students in their quest to glory in placements by helping them prepare for many different domains. All the things being consolidated and available at one place was helpful. App, being in a hand-held device, facilitated a comfortable preparation and learning.

9. CONCLUSION

There is an old saying that "if you surround yourself with good people, you will be good", in today's generation that saying can be safely changed to "if you surround yourself with good apps, you will be good".

Jokes apart, mobile apps are one of the most effective ways of reaching out to people today. If purpose of the app is like

that of ours, they make learning a lot more joyous/comfortable because of ease of access and their robustness/portability.

There can be great deal achieved when we prepare properly and it is awesome that a simple mobile app can help us prepare.

10. FUTURE ENHANCEMENTS

The app can be enhanced to provide more material to prepare, better ways of evaluation along with constraints like time etc. Notifications can be given to remind students to prepare. The app can be broadened by including other streams of engineering into the preparation scope as well.

11. BIBLIOGRAPHY

- Beginning Android 4 Application Development
- developr.android.com
- stackoverflow.com