

SMART CAREER GUIDANCE APP

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Abstract: This Android application acts as an Information repository who finishes Higher Secondary Education and seek for a Career. It consists of mark evaluation module and it evaluates the marks and shows the available degree which is eligible for the entered mark. Such as Medical, Diploma or Arts. Once selected it further displays the available courses in the criteria. On selecting the course it then asks for the district name. Then after selection of the district it displays the college list in the district. The user is shown a detailed report about the college he selects. It is all a click away. The application has a settings link for the administrator of the application; from there one can add the college and course information. The application calculates the cut off mark is calculated and the group is displayed regarding the derived cut off mark. If the mark is above 195 out of 200 then all the three categories such as medical, diploma and Arts are shown. If the cut off mark is below 195 and above 150 then Diploma and arts colleges are shown. If the cut off mark is below 150 then the arts colleges alone is displayed. So the user can select from the available categories and can get the information.

Keywords: Medical, cut off, diploma, Smart Guide, Arts.

I. INTRODUCTION

Earlier the leading universities found a challenging job to manage the exchange of information on the university campus as it was an excellent task to perform. So in the 1990s, they started shifting towards a better way by the use of www (World

Wide Web). At the end of the 20th century, the potential for the exchange of information within the campus has boosted by making use of information technology and electronic communication. From the 20th century to today's era, starting from the black and white phones trend to smartphones or mini computers, mobile Operating Systems (OS) [1] come far away. Started from Palm OS in 1996 to 2000 pattern of windows pocket PC to Android and Blackberry OS, smartphones OS has dramatically evolved from last year and drastically changed every singular life. The computers and mobile devices are affecting our daily routines in endless ways, including personal and professional. Although this mobile phone becomes one of the most commonly used gadgets, it either uses it for business purposes or personal. Moreover, these mobile applications are a cost-effective process, e.g., now a day's most of the colleges and institutions share their college magazines and journals on apps, which help in saving the cost of printing and paper. An Android-based campus solution app proposed, which connects the students, parents, staff, and alumni with the college or university. With the help of this app, staff can quickly enter or maintain the attendance, internal marks of the students. They are sharing notes and other official notifications of college or university also available on the app, which can be easily accessed by students and parents using mobile phones. Hence the students can get notifications regarding their test schedules, events, along with their parents also able to access

the app to check their child's performance, attendance detail, or achievements of their child and college remotely. Even the most striking feature of this app is that the alumni or students get notified regarding their document to collect their concessions forms and certificates using this app. Thus, this research attempts to modernize the concept of managing and handling the exchange of information within the campus in the best possible way. The objective is to ease information exchange by the use of accessible technologies and to make it more user-friendly in the best possible ways. The purpose is that it could be beneficial for the leading universities to perform their tasks and offer a well-managed system to both students as well as faculty of the university. The network information system improves the capabilities of the campus and proves to be the best way of dealing with the issue as well as offering a managed system to the users.

II. LITERATURE REVIEW

Sk.Abhinaya, Dr.N. Chandra Sekhar Reddy, N.Bhaswanth, Mobile Travel Guide by Using Android.

This framework introduces the three-layer design of net development into mobile code development. Within the paper, we tend to propose the code development design supported net services. The combination of the good phone and also the web service is that the trend of the longer term data development and software applications.

Sana1, Dr. Ravindra kumar2, Application Development in Android.

A guidance to understand the operation mechanism of Android applications and to develop an application on Android platform is described in this paper. A new application is provided as instance to illustrate the basic working processes of Android application components. Using broadcast receivers and content providers to make your app scale and much more.

Dadape Jinendra R. Jadhav Bhagyashri R. Gaidhani Pranav Y. Vyavahare Seema U. AchaliyaParag N., Smart Travel Guide: Application for Android Mobile.

In this system, the end-user's sensitive information will not be publicized, because we use specific algorithm to exploit the end-user's individual requirements. The challenge address by mobile was ability to get exact location from the specified favorites.

The problem is that tourists are not able to get travel information timely when they are on the move.

Jian Meng,Neng Xu, A Mobile Tourist Guide System Based on Mashup Technology.

In which mobile tourist guide, mashup, API are used. They proposed architecture of mobile tourist guide system that is able to provide tourism information to the mobile end-users conveniently. A problem is shown that tourists are usually hard to get travel information timely and efficiently, when they are away from PCs.

Location-Based Mobile Tour Guide Services Towards Digital Dunhuang

They proposed a LBS-enabled MTG System by extracting semantically relevant geo-info from Web and efficiently presenting it to mobile users while in tourism region. In addition, some development work on mobile tourism guide also had been done. It extended from the existing Internet tour pre-arrangement, it supported wireless identification based tour booking service via the smart-phones

III. EXISTING SYSTEM

In existing system the student needs to visit the consultant agency for the education related counselling. Then the user needs to browse the internet for the college information. Then select the

college according to their marks .After that they can apply for counselling and other process.

Drawbacks of Existing System:

- ✓ Students faced many problems in choosing their carrier.
- ✓ Every student must visit websites of several colleges.
- ✓ It is a vast process.
- ✓ User needs to search the web extensively and some of the users gets exhausted

IV. PROPOSED SYSTEM

The proposed system is designed as android application. The system displays the college information to the student according to the input given by the user.The application covers more than 200 career options and professional courses after schooling and graduation with details like job opportunities.The application provides comprehensive information to enable students decide on the right career choices. The proposed system is designed as android application. The system displays the college information to the student according to the input given by the user. The result is displayed for the users in a fraction of second.

Advantages of Proposed System:

- ✓ The application is very easy to use and straight forward.
- ✓ The application can easily be adopted by users of all levels of education and technological backgrounds.
- ✓ This application is affordable, it makes it possible for anyone to use it at no cost provided they have internet.
- ✓ The application displays the result based on the mark entered by the users.
- ✓ The colleges are categorized according to the courses and shown as the result.

V. METHODOLOGY

The main motive to build the app is to serve various purposes of students, teachers, and administrative staff of an educational institution under a single application. It provides a portable environment, but the working of the application varies depending upon the requirement of the user to the user. Students get connected and updated with recent events or activities relevant to their class, department, or anything going to happen on the campus. Similarly, teachers, parents, and administrative staff also connected with each student. Parents can track their child's performance. Administrative officials able to issue certificates to a student without any issue, faculty maintains the attendance, marks details easily through this mobile-based application. In this paper, the authors designed and develop an application with the help of Android Studio and SQLite Database. This application tested under the robotium. The authors also check the performance of the application using promethee.

ANDROID

Android is a software stack for mobile devices that includes an operating system, middleware and key applications. Google Inc. purchased the initial developer of the software, Android Inc., in 2005.

Android's mobile operating system is based on the Linux kernel. Google and other members of the Open Handset Alliance collaborated on Android's development and release. The Android Open Source Project (AOSP) is tasked with the maintenance and further development of Android. The Android operating system is the world's best-selling Smartphone platform.

The Android SDK provides the tools and APIs necessary to begin developing applications Android platform using the Java programming language. Android has a large community of developers

writing applications ("apps") that extend the functionality of the devices. There are currently over 250,000 apps available for Android.

ECLIPSE:

Eclipse is an open source community, whose projects are focused on building an extensible development platform, runtimes and application frameworks for building, deploying and managing software across the entire software lifecycle. Many people know us, and hopefully love us, as a Java IDE but Eclipse is much more than a Java IDE.

The Eclipse open source community has over 60 open source projects. These projects can be conceptually organized into seven different "pillars" or categories:

1. Enterprise Development
2. Embedded and Device Development
3. Rich Client Platform
4. Rich Internet Applications
5. Application Frameworks
6. Application Lifecycle Management (ALM)
7. Service Oriented Architecture (SOA)

The Eclipse community is also supported by a large and vibrant ecosystem of major IT solution providers, innovative start-ups, universities and research institutions and individuals that extend, support and complement the Eclipse Platform.

The exciting thing about Eclipse is many people are using Eclipse in ways that we have never imagined. The common thread is that they are building innovative, industrial strength software and want to use great tools, frameworks and runtimes to make their job easier.

VI. EXPERIMENTAL RESULTS AND DISCUSSION

Mark Insertion

On opening the application user gets the mark entry form. It contains subject name and textfield to enter the marks. After entering the marks user can navigate to next screen.

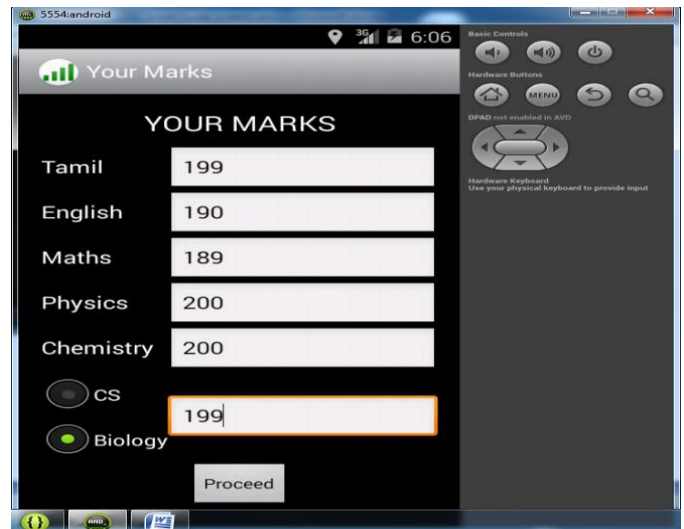


Fig. 2.Mark Insertion

Group Selection

After entering the mark user navigates to the next activity where the total and cut off mark is shown which are calculated by the application. Then user needs to select one of the four available groups named Group1, Group2, Group3 or Group4.

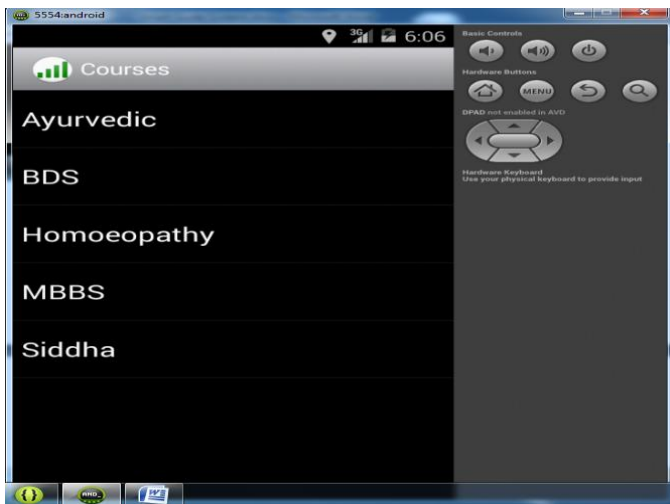


Fig. 3. Group Collection

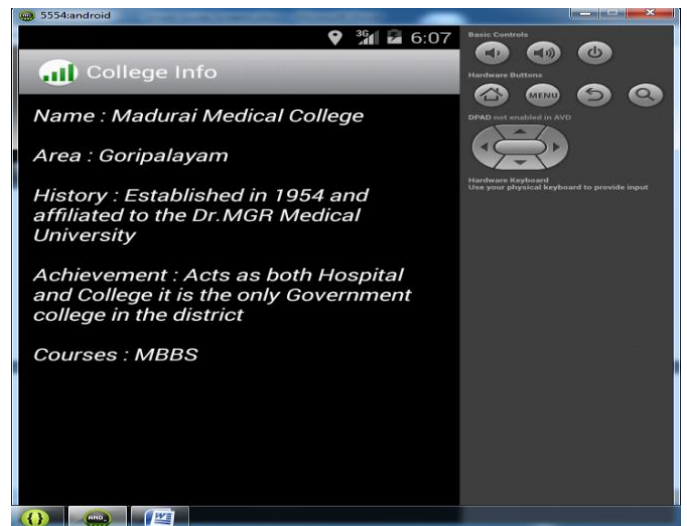


Fig. 4. Shows eligible information

Eligibility

After selecting the group the available groups such as Medical, Diploma or Arts are shown according to their cut off mark. If medical is selected then the subdivisions Mbbs, Bds, Ayurvedic, Sidha or Unani is shown.

After selecting the Degree, then District names are shown, on selecting the particular district all the available colleges are shown. Then on clicking the college, history of the college and achievements of the colleges are shown.

The cut off mark is calculated and the group is displayed regarding the derived cut off mark. If the mark is above 195 out of 200 then all the three categories such as medical, diploma and Arts are shown. If the cut off mark is below 195 and above 150 then Diploma and arts colleges are shown. If the cut off mark is below 150 then the arts colleges alone is displayed. So the user can select from the available categories and can get the information.

VII.CONCLUSION

It is concluded that the application works well and satisfy the end users. The application is tested very well and errors are properly debugged. The application is simultaneously accessed from more than one system. Simultaneous login from more than one place is tested. This system is user friendly so everyone can use easily. Proper documentation is provided. The end user can easily understand how the whole system is implemented by going through the documentation. The system is tested, implemented and the performance is found to be satisfactory. All necessary output is generated. Thus, the project is completed successfully. Further enhancements can be made to the application, so that the application functions very attractive and useful manner than the present one. The speed of the transactions become more enough now. There is scope for future development of this project. The world of computer fields is not static; it is always subject to be dynamic. The technology which is famous today becomes outdated the very next day. To keep abstract of technical improvements, the system may be further refined. So, it is not concluded. Yet it will improve with further enhancements.

REFERENCES

- [1] Bhattacharya, Sagnik, and M. B. Panbu.(2013) "Design and development of mobile campus, an Androidbased mobile application for university campus tour guide.". International Journal of Innovative Technology and Exploring Engineering, 3 : 25-29.
- [2] Little, Geoffrey. (2011) "Keeping moving: Smartphone and mobile technologies in the academic library." The Journal of Academic Librarianship 37, 2(3): 267-269.
- [3] Malhotra, R.,Vanshika and Neha (2019), "Construction and design of a device for obstacle detection," International Journal of Recent Technology and Engineering 8(4):2312-2315.
- [4] Kadam, A. J., Aradhana Singh, Komal Jagtap, and Srujana Tankala.Mobile(2017) Web-Based Android Application for College Management System. International Journal of Engineering and Computer Science 6(2): 20206-20209.
- [5] Harnale, S., Thakur G., and Syed Hussain A. (2014), "Android College Campus." International Journal of Ethics in Engineering & Management Education, 2348-4748.
- [6] Nethaji, T. S., and Suganthalakshmi R., (2019), " Muti Utility Mobile Application." Pacifier 24(1): 1-3.
- [7] Ghandi, Li., Catarina S., Martínez, D. and Gualotuña T. (2017) , "Mobile application development process: A practical experience." 12th Iberian Conference on Information Systems and Technologies (CISTI), 1-6.
- [8] Xhafa, Fatos, Santi Caballé, Isaac Rustarazo, and Leonard Barolli.Implementing a mobile campus Using MLE Moodle.In 2010 International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, pp. 207-214. IEEE, 2010.
- [9] Biqing, Li, Wenya Lai, Yang, C. and Zheng. S.(2016), "The Design and Implementation of the APP of Experiencing Guangxi Folk Custom."International Conference on Economics and Management Innovations. Atlantis Press, 2016.
- [10] Chou, Te-Lien, and Lih-Juan Chan Lin. (2012), "Augmented reality smartphone environment orientation application: a case study of the Fu-Jen University mobile campus touring system." Procedia-Social and Behavioral Sciences 46 : 410-416.
- [11] Chen, Xian, Ruofan Jin, Kyoungwon Suh, Bing Wang, and Wei Wei.Network performance of smart mobile handhelds in a university campus WiFi network.In Proceedings of the 2012 Internet Measurement Conference, pp. 315-328. ACM, 2012.
- [12] Cardei, M., Zankina,I., Cardei, I. and Daniel R.(2013) "Campus assistant application on an android platform." In 2013 Proceedings of IEEE southeastcon, 1-6.