# A Survey on Placement Management Android Application

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*Abstract*: **Placement Management App is an informative and management system, which provides the updated details of the students. The Placement Management App overcomes the difficulty of keeping records of thousands of students. It facilitates excellent interaction between the placement officer and students. The user will create the account when user enters into his/her respective page he/she can update the details, and the details are to be approved by the administrator. The purpose of placement management app is to automate the existing manual system. Keywords: Smartphones, Android Studio, Android Application, up-to-date, records, integration, curriculums.**

*Keywords*: **placement management system, automation, android, training and placement, easily accessible.**

## 1. Introduction

In 21st century where mobile and information technology has become an integral part of our lives. The placement management app provides the information of student and their placement details. The placement officer can access the data easily.in student registration we can give personal details, educational qualifications, and upload resume.

Everything that is done in the system is done in person keeping records, the management and all the departments that did this work

manually make the work difficult and boring in it many times. This difficult task can be made easier by doing placement management app helps the colleges to overcome the difficulty in keeping placement records of hundreds and thousands of students' records and searching for particular student data.

## 2. Objectives

1. Student profile management: create and maintain comprehensive profiles for each student including academic records, skills and extracurricular activities.
2. Administrative tools: Administrator can easily add, update and delete the data of the students and control the overall system.
3. Resume and document upload: allow students to upload and update their resumes and other relevant documents for easy access by potential employers.
4. User-friendly interface: design on intuitive and user-friendly interface for easy navigation by students and TPO.

5. Privacy and Security: ensure robust security measures to protect sensitive student and placement data, complying with data privacy regulations.

## 3. Literature Survey

[1] Describes an online training and placement process. The admin of the system can see the user information and will validate it. The admin also generate the student list based on the company criteria and company details are also provided to the all users. Searching and sorting can be done, and reports can be generated. Alumni data can be maintained in our system. This Placement Management System provides two distinct modules for students and placement officers. It enables students to register online and upload their academic and personal details. They will have their portals to update information as necessary and can view recent and upcoming job postings on their dashboard.

Overall, all the process of the training and placement department is done automatically.

[2] Mainly describes the two steps, the first one step is to maintain the list of all students and their related records and another one step is to maintaining the company details like as their vacancies, etc. and based on the company requirements, get shortlisted list of students branch wise, which is the more complex task. This Placement Management System provides two distinct modules for students and placement officers. It enables students to register online and upload their academic and personal details. They will have their portals to update information as necessary and can view recent and upcoming job postings on their dashboard.

[3] Outlines the Online Training and Placement (OTaP) System, which automates activities of training and placement cell. It provides chance to the student community to use all intelligence together to increase selection ratio and eases out process of creation of management information automatically. OTaP System mainly focuses on the automation of placement cell. This system saves all of the students' personal information as well as their technical skills, which are needed for a CV to be sent to an employer. The system can be used by institutions to manage student information and placement details. Students should be able to access their accounts and upload their work.

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This proposed system helps students to keep track of their personal and academic information.

[4] Outlines the development of a web-based application on the Windows platform for a college's placement management system. The system efficiently stores and manages students' personal information, academic details, and technical skills in a secure database. This proposed system includes the processes like registration, update, and searching of the student data. There are mainly two users: Training and placement officer (TPO) and student. The admin is the master user. Admin has the more number of priorities than the other users. Students can register and can also view or edit their academic or personal details. A list of placed students will also be updated by the administrator. It facilitates collaboration between the college and firms by allowing authenticated access for recruitment processes, streamlining information flow and reducing manual efforts.

[5] Mainly focuses on comprehensive placement management system streamlines record-keeping for a large number of students in the college, addressing challenges in recruitment eligibility checks and maintaining company visit details. The system optimizes hardware and software resources for efficient management. Featuring distinct logins for TPO, exam cell, and students, the web-based application employs HTML for the front end and PHP with MySQL for the back end, offering common services like password changes, information searches, and communication with administrators. This proposed system aims at reducing human efforts and errors by automating important tasks of TPC such as displaying notices, maintaining information about students, student eligibility, company criteria, training sessions, interview schedule, preparation seminars, etc.

This system can be used for the Training and placement cell of the college to manage the student information with regards to placement students logging should be able to upload their information in the form of a C.V. visitors or company representatives logging in may also access or search any information put up by students. An admin login should be present who can read as well as remove any uploads. Preferably it should be given to the TPO.

[6] is an android application system that can be accessed by the student throughout the organisation with the proper login provided. This application can also be used by the training and placement officer to maintain all the records of the students as well as the activities related to the training and placement cell. This proposal suggests developing an Android application for the Training and Placement Cell to automate and enhance the placement process in an educational institute. The app aims to streamline communication by notifying students about upcoming companies, providing a platform for administrators to upload lists of placed students, and allowing students to view recruitment details and request changes to their information. This proposed system is aimed at developing an Android application for training and placement cell. In the existing system every work is done manually and also student detail is maintained in a excel sheets. Maintaining and managing a large amount of data is a difficult task. The project ultimately facilitates faster and more efficient management of placement-related activities within the college campus.

[7] Provides a simple interface for maintenance of student information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of accurate, up-to-date information regarding a students' academic career is critically important in the university as well as colleges. Student information system deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource related details too. It tracks all the details of a student from the day one to the end of the course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters, years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result and all these will be available through a secure, online interface embedded in the college's website. It will also have faculty details, batch execution details, students' details in all aspects, the various academic notifications to the staff and students updated by the college administration. It also facilitate us explore all the activities happening in the college, Different reports and Queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters, certification and even for the entire college. The system is designed to be easy to use and accessible to students, parents, and teachers. It provides a variety of features, including: Student registration and profile management, Attendance tracking, Grade management, Fee management, Exam management, Report generation.

[8] Focuses on enhancing employability among commerce and management students through skill training.

The study explores the shortage of skills compared to the demand and the role of Commerce and Management Education in addressing this gap. The Placement Cell Management System is a sophisticated online-based software application designed to streamline and enhance the management of student placement information within a college or university. The primary objective of this project is to create a centralized database that stores essential details about students, including academic records and personal information. By developing a user-friendly interface, the Placement Officers can efficiently manage and update the information on the university site, making it easily accessible to potential recruiting companies. One of the standout features of this system is its one-time registration capability, which allows students to conveniently upload their personal and educational details in the form of a resume. This not only simplifies the process for students but also contributes to a more organized and comprehensive database for placement officers. The utilization of PHP for the frontend and MySQL for the backend ensures a robust and scalable architecture, reducing manual workload, minimizing paperwork, and ultimately saving time for both students and administrators. The Placement Cell Management System stands as an effective solution to modernize the placement process, fostering efficiency and collaboration between educational institutions and prospective employers.

[9] is designed to automate and enhance various aspects of the placement process within the college. It offers a user-friendly online registration system, allowing students and Placement Officers to easily register and manage their accounts. The system facilitates efficient activation and deactivation of user accounts, ensuring seamless administration. Additionally, it provides personalized features such as online resource provision, enabling students to upload resumes and personalize their profiles. Communication between users is streamlined, and the system incorporates an online feedback mechanism, fostering continuous improvement.

One of the key administrative functionalities is the validation process conducted by the system admin. The admin has the authority to validate user information, ensuring its accuracy and reliability. Furthermore, the admin can generate student lists based on specific company criteria, providing a valuable tool for tailoring placement opportunities to meet the requirements of potential employers. Overall, the Placement Cell Management System offers a comprehensive and automated solution, optimizing the placement process by centralizing information, improving communication, and empowering administrators with effective tools for validation and customization.

[10] Introduces a significant development in the form of a web portal tailored for the Training and Placement Cell within a college setting. The primary objective of this portal is to streamline and automate the recruitment processes, offering a centralized platform for both administrative staff and students. By requiring correct login credentials, the portal ensures secure access and provides a user-friendly interface for various tasks. One of the pivotal features is the ability to maintain comprehensive student information, allowing for efficient tracking of academic records and personal details. Additionally, students can seamlessly update their resumes through the portal, contributing to a dynamic and up-to-date database that serves as a valuable resource during placement activities. The portal also acts as an information hub, offering details on upcoming placement drives and campus events, fostering effective communication and engagement between the Training and Placement Cell, students, and potential recruiters.

The second paragraph delves into the significance of this development in the context of modernizing and optimizing the placement process. The web portal not only simplifies administrative tasks but also empowers students by providing them with a platform to actively manage and showcase their professional profiles. The centralized nature of the portal enhances collaboration and coordination between the administrative staff and students, promoting transparency and accessibility. Furthermore, by automating recruitment processes, the portal contributes to a more efficient and time-saving approach, reducing manual work for the Training and Placement Cell. This technological advancement aligns with the evolving landscape of education and recruitment, demonstrating the college's commitment to staying at the forefront of providing effective tools and resources for successful student placements.

## 4. Conclusion

The Placement Management App serves as a crucial and efficient tool for addressing the challenges associated with managing student records within educational institutions. The existing manual systems often struggle to handle the vast amount of data related to placement activities, leading to issues such as miscommunication, data loss, and underutilization of resources. Our literature survey revealed that many institutes face limitations in functionality and lack automation and report generation capabilities in their current systems.

However, the Placement Management App offers a transformative solution by leveraging modern technology, specifically through the use of Smartphones and the Android Studio for developing a user-friendly application. The app streamlines communication and interaction between placement officers and students, providing a centralized platform for updating and approving student details. The key advantage lies in automating the manual system, thereby mitigating the risks of data-related problems and fostering effective placement processes.

While the drawbacks of the current systems are evident, the Placement Management App presents an opportunity to overcome these challenges. By embracing automation, the app minimizes the risk of miscommunication and data loss. The user-friendly interface and administrator approval process ensure the accuracy and reliability of records. Moreover, the integration of curriculums in the app allows for a more comprehensive overview of students' skills and qualifications. In essence, the Placement Management App stands as a modernized solution to enhance efficiency, reduce manual errors, and improve the overall effectiveness of training and placement activities in educational institutions.

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