Abstract:-

From a student's perspective, placements can bring a wide range of benefits and opportunities. Training and management of placement is a crucial part of an educational institution in which most of the work is done manually. Manual system in the colleges requires a lot of manpower and time. With this project we aim to develop a web portal to solve this issue. The project is aimed at developing an application for the placement department of the college. The system is an application which will be accessed and effectively used throughout the organization with proper login enabled. It can also be used as an application for the Placement Officers in the college to manage the student information about placement thus reducing the manual work and consumes less paperwork. The system also provides the facility of viewing the personal and academic information of the student. The system gets the requested list of candidates for the companies who would like to recruit the people according to their eligibility criteria. Laravel framework is used to facilitate the process of making the program.

INTRODUCTION

Manual Training and Placement which is done at various colleges is by human intervention due to which there is a maximum chance of errors. The major problem is searching and updating of the student data. Placement officers have to manage the student's profile and their documents. Placement Officer has to collect the information of various companies who comes for recruitment. They have to arrange profiles of students according to various streams and notify them each time according to company requirements. Placement officers submit the information of students and if any changes or updates are required in the profile of any student, it hasto be done manually. This process is so difficult and tedious when the number of users increases. This is tedious and timeconsuming. Chances of missing data are also possible. It is also difficult for collecting, managing, and updating student data as the number of students increases[3]. 'Placement Management System' like many other placement management web sites, provides informa- tion on placement providers and the placements and also keeps up to date information of all students. It is a platform where students can view and assess their opportunities. The system will be having different types of accounts for different types of users such as Admin, Student, HODs, and tutor. A profile for each student is created with the necessary credentials for the portal. The system uses MySQL for database

management and will sort the data of the student based on eligibility criteria demanded by the respective companies and a list of eligible candidates will be prepared and they can choose if they are interested to attend that particular drive or test. Based on this a final data-set is created and the interested candidates will be registered automatically by the system. This way it reduces the work of college staff or faculty from the problems caused by human error and wastage of time doing all processes manually.

II. PURPOSE

Placement Management System manages student information in the college with regard to placement. It improves existing system .It has the facility of maintaining the details of the student, thereby reducing the manual work. It will save time and energy which are spending in making reports and collecting data. Placement Management System can be accessed throughout the college with proper login provided. III. SCOPE

The project has a wide scope. Our project mainly helps in improving productivity and makes use of utilization of resources. There is no duplication of work as this was not the case when done manually. Thus it reduces labor and increases morale. The system intends userfriendly operations which may resolve ambiguity. The project is a total

management and informative system, which provides the up- to-date information of all the students in the college. Our system also help the college to overcome the difficulty in keeping records of hundreds of students and searching for a student eligible for recruitment criteria from the whole thing. It helps in effective and timely utilization of resources. The project facilitates user friendly, reliable and fast management system. The placement officer itself can carry out operations in a smooth and effective manner. They need not concentrate on record keeping. The college can maintain computerized records thus reducing paper work, time and money.

IV. PROJECT OBJECTIVE

The main objective of the placement management system is to reduce manual work and time[4]. It is difficult and time-consuming to collect all the details from each student. To avoid this problem wehave planned to develop a web-based placement management system. ¬ Easy to find out the list of eligible students attending the drives the manual works. ¬ This system makes student information more secure.

V. EXISTING SYSTEM

In colleges the records were stored in excel sheets hence sorting the data is always a problem. The excel sheets are also less advanced. Hence

sorting and searching problems arises. Updating Records is another tedious task. Due to the above problems the updating was very difficult and ambiguous. Data redundancy also occurs due to the duplication of files and records. The files were not stored in a hierarchical format, hence searching the eligible students was the greatest problem [1]. The placement officer has to find out the eligible students by looking at the excel sheet. He/she has to see the marks of every student and their eligibility. Another problem students face is that they are not made aware of the Training and Placement activity held in their institutions, hence there might have been a loss of opportunities. There is also a large communication gap between students and the placement officers as it is difficult to maintain coordination between them. The existing system is also inefficient as it could not take acknowledgment from the students attending a particular drive. Hence lots of confusion at the last moment also arises. As all this is done manually, there is a lot of workload on the placement officer. The existing method used for placement management is not computerized [2]. All the records are main- tained manually. The departments or the management carry out this job manually making it more com- plicated and tedious most of the time. The best solution here is to computerize the current environment.

VI. PROPOSED SYSTEM

To design and implement a web-based placement management system. High-quality placements bring good benefits and positive impacts on students as well as for the colleges. During this process college finds it difficult and time-consuming to collect data from each student. In most cases they collect data manually. Working in a manual system in the colleges requires a lot of manpower and time. The placement management system is an online application that can be accessed throughout the college and outside with proper login details. This system can be used as an application for the placement officer, Hod, faculty coordinator of the college to manage the student information with regards to placement. The student is able to upload their information. The web application is developed in laravel framework with Model-ViewTemplate (MVT) pattern [5]. The system will be having different types of accounts for different types of users such as Principal, HOD, placement officers and coordinators, and students. A profile for each student is created with the necessary credentials for the portal. The system uses MySQL for database management and will sort the data of the student based on eligibility criteria demanded by the respective companies. Also a link will be broadcasted to all eligible candidates via an email for them to choose if they are interested to attend the particular drive or test. The main feature of the system is a

machine learning application that can predict placement probabilities of a particular student in different companies based on the previous placement frequency of his/her department, his skill set, marks, and other data available.

VII. SYSTEM DESIGN

The system contains 4 modules as admin module, hod module, tutor module, student module. Each module hasthe same login page. The login page has a login id and password field. By entering values in that field users should log in to the system. ¬ Admin Module The Placement officer is the administrator of the system. Admin plays a very crucial role in the system. Admin can log in through a username and password. He/she can maintain the placement activities via the system. Admin can add departments, create new batches, add /delete drives. Students can directly join in the placement drive if interested. Admin can manage the training programs conducted in the college. Admin is also able to analyze the placement activities of each student. ¬ HOD Module Admin provides access to the head of each department with a username and password. By using this HOD can enter into the system. HOD can upload an excel sheet which has the details of the students in a batch. HOD can view every student's placement status. He can also view the active placement drives and registered students. ¬ Tutor Module Every

batch has a tutor that manages the placement activities of their batch. In this module, the tutor will log in through the username and password. Once he login, he is directed to the dashboard where he can see the upcoming placement drives. The tutor can see the details of the student registered for the ongoing placement drive. The tutor can also create a demo exam in the system. ¬ Student Module Every student is given a default username and password, using this he/she can enter the system. Students can fill the necessary details like 10 th grade etc. if interested, students can register for the upcoming drives. The student is also able to attend the online aptitude test being conducted in the system. Based on this aptitude test and other criteria the placement probabilities of a particular student is been predicted. Volume 5, Issue 5, May – 2020 International Journal of Innovative Science and Research Technology ISSN No:-2456-2165 IJISRT20MAY826 www.ijisrt.com 1707 Fig 1:-

Architectural diagram VIII. Python machine learing

placement management system is shown in the Figure 2. The users can login to the system by using this login form. Fig 2:- Login Page Volume 5, Issue 5, May – 2020 International Journal of Innovative Science and Research Technology ISSN No:-2456-2165 IJISRT20MAY826 www.ijisrt.com 1708 The student dashboard of the system is shown in

figure 3.Students can login to this page using the de- fault username and password. They can accesstheir profile, see the upcoming placements and can register if they are eligible. Fig 3:- Student Login The admin dashboard is shown in the Figure 4. The admin can do all the necessary work in the options provided to him related to students. Fig 4:- Admin Login Fig 5:- Drive Creation Volume 5, Issue 5, May – 2020 International Journal of Innovative Science and Research Technology ISSN No:-2456-2165 IJISRT20MAY826 www.ijisrt.com 1709 The HOD dashboard is shown in the Figure 6. HOD can view the placement status, active drives and the students who have registered for the drive. Fig 6:- HOD Dashboard The Tutor dashboard is shown in the Figure 7. The Tutor can do all the necessary work in the options provided to him related to students and training details. Fig 7:- Tutor Dashboard X. CONCLUSION Maximum work goes manually in the present placement system which makes it take time to avail changes. This includes main problems like searching for the data of students and sorting them along with it. Also, updating student data is a cumbersome job and does not have a method to notify the stu- dent in time which makes the management of the placements very difficult. In the proposed system, all of these problems become automated. The registration of the student for an upcoming placement, the addition of a new user, notifying students, sharing information, the privacy of the

student, etc is all met. The admin validates the information and gives the student list based on the criteria required which otherwise would have been very difficult to manage. Volume 5, Issue 5, May – 2020 International Journal of Innovative Science and Research Technology ISSN No:-2456-2165 IJISRT20MAY826 www.ijisrt.com 1710

REFERENCES [1].

Santhosh Kumar H," Online Training and Placement Management system" ,International Journal of Engineering Research Technology (IJERT),ICACT - 2016 ConferenceProceedings. [2]. Mythili M, Aishwarya R, Shenbagam P, Sandhiya C," E Placement Management", International Jour- nal of Pure and Applied Mathematics(IJPAM), Volume 119 No. 10 2018,1823-1834. [3]. Anjali v, Jeyalakshmi PR, Anbubala R,Sri Mathura devi, Ranjini.V, "Web Based Placement Management System", International Journal of Computer Science and Information Technologies(IJCSIT), Vol. 7 (2) , 2016, 760-763. [4]. Rajnesh Tripathi, Raghvendra Singh, Jaweria Usmani, "Campus Recruitment and Placement Sys- tem", International Conference on Recent Innovations in Science and Engineering(Icrise-18), April, 2018. [5]. Laracasts https://laracasts.com/