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# Placement ERP Using Machine Learning: A Review

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**ABSTRACT:** Databases, spreadsheets, email conversations, and paper-based procedures all aid in the management of training and placement. The most important aspect of any educational institution, when the majority of the labour is still done manually, is training and placement. Automation of AMCEC's Training and Placement Unit is the project's goal (AMC Engineering College). There will be very little manual labour involved in the project, and maximum optimization, abstraction, and security. This is a web application that will assist both the administration and the students in carrying out each and every task in this division.

With the right login, anyone within the AMCEC (AMC Engineering College) organisation can access the system, which is an application. The college's Training and Placement Officers (TPO) can utilise this system as an application to manage student placement information. Students should be able to complete the registration form while logging in. This project's main selling point is that registration only needs to be done once. The application offers the ability to maintain student information. Additionally, it offers a list of applicants that has been specifically requested in order to hire the pupils. Any information posted by the students may also be searched by the administrator logging in. Colleges can experience full IT deployment with the help of this initiative.

**KEYWORDS:** AMCEC, file system updates, an online system for managing training and placement, and TPO

## I. INTRODUCTION

The ability to provide information and allow users to act on that knowledge has been revolutionised by the use of the Internet and the World Wide Web. the Placement Coordinator will actively participate in the management of the placement process by students and businesses using the Internet. A novel web-based training and placement management system resulted from this.

An programme called the online training and placement management system helps students at AMCEC register and complete the application. Users may quickly and readily access this, and the data can be quickly and easily obtained. The student registration form allows us to provide personal information, educational background, and professional experience. The administrator will give the pupils who were placed information about their jobs. The job provider and the placements coordinator should follow up on the information they have seen online by taking appropriate action. The administrator is crucial to the success of our project. He grants his clearance for student update and registration.

## II. RELATED WORK

**Samrudhi Padwal, SamruddhiGhorpade, Prof. P.R. Patil, Manasi Patil, Shraddha Biraje, SapanaSalunkhe-**This online application heavily relies on the TPO. Students can upload their resumes, personal information, and academic credentials through this website application. Students can communicate with one another using the chat feature of this system. Students can practise aptitude examinations given by their various faculties on upcoming campuses. Training and placement management will undoubtedly be made simpler by this system for the TPO, Department Coordinators, Principal, Faculty, and of course Students. Colleges will have a well-designed website to tell their students of new options, how to get ready for campus, and how to receive a work-integrated learning experience thanks to this application.

**AKASH KUMAR, MANISHA CHAUHAN , YASH SRIVASTAVA , 4MADHAVI MANE-** Training and Placement is a web tool that was created to reduce manual labour and prevent common mistakes in manual labour. Two modules are included in this system, one for the Training and Placement Officer and the other for the relevant students. The responsibility of the placement officer is to inform the students of impending placements or training sessions. The information is also provided by the Training and Placement Officer. of the visiting firms, their selection processes, and



the outcomes for each successful student chosen by those companies. The students register on the website, submit their resume, personal information, and academic records, and then they are alerted by text message and email if they are qualified for the specific company...

**Mulla Kajal, Mahadik Awanti, Pandharpatte Sonali, Kalantre Rashmi, Bansode Swapnali**- Our suggestion will allow you to both save time and money because it is a web-based programme. Information about all pupils in college and locate them accordance to the company's criteria. I count three.

admin/training and placement modules Officer (TPO), Student, Company. Admin has complete access. The system is reserved. Students can primarily upload Admins and TPOs can download resources and their CV. & Company. Business can sign up and provide their requirements for placement. Use of our proposed system at colleges is essential for improved placement services.

**Akshata Bhalgat, Ina Datta, Abhishek Kolkar, Aditya Mate**- By creating software that controls placement activities with a user-friendly GUI, we are putting forth a clever and simple solution for placement activities. The goal of this project is to create a system that a college's placement cell may use. Designing a system with features to carry out placement-related tasks, such as showing student and employer information to one another and providing a communication interface between the two parties is our TPO's goal.

The foundation of software development is a fully modular design. Because of the architecture's modularity, we will be able to alter or add modules in the future to improve a specific feature or circumstance.

**Kaiyang Liu, Jun Peng, Jingrong, Boyang Yu Wang**- We create a reinforcement learning-based framework called DataBot+ that automatically learns the best placement policies while taking into account data flow and analytical latency overall. DataBot+ uses neural networks that have been trained using a form of Q-learning, with real-time data flow measurements as its input and a value function that estimates the near-future latency as its output. DataBot+ is split into two asynchronous production and training components for fast decision-making, assuring that the training delay won't add extra overheads to manage the data flows. The success of our approach is demonstrated by the evaluation results based on real-world traces..

### III. EXISTING SYSTEM/OPEN ISSUES

Automation of AMCEC's Training and Placement Unit is the project's goal (AMC Engineering College). There will be very little manual labour involved in the project, and maximum optimization, abstraction, and security. This is a web application that will assist both the administration and the students in carrying out each and every task in this division.

Negative comments:-

.Less alertness: the students may not get the information on training and placement activity hence they miss the opportunities.

Synchronization problem: there were smaller amount interfaces among student and training and placement department;

Alumni record: the past students records are not maintained.

### IV. CONCLUSION

The majority of work is done manually in the current system, which is prone to error and requires time to update. The main issue is the updating and querying of student records, and there is no other viable method of notifying students of information other than the notice board.

All of the processes, including registration, updating, and searching, are automated by the suggested online training and placement management system. It offers a thorough resolution to the system's current issue.

### REFERENCES

- [1] **Samrudhi Padwal, Samruddhi Ghorpade, Prof. P.R. Patil, Manasi Patil, Shraddha Biraje, Sapana Salunkhe**, "E-TRAINING AND PLACEMENT MANAGEMENT SYSTEM", IEEE, 2022.



- [2] **AKASH KUMAR, MANISHA CHAUHAN , YASH SRIVASTAVA , 4MADHAVI MANE**, “Online Training and Placement Management System”, IEEE (2017).
- [3] **Mulla Kajal, MahadikAwanti, Pandharpatte Sonali, Kalantre Rashmi, BansodeSwapnali**, “Online Training and Placement System”, IEEE,FEB-2016.
- [4] **AkshataBhalgat, Ina Datta, Abhishek Kolkar , Aditya Mate**, “Training & Placement Management System”, IEEE,DEC, 2017.
- [5] **Kaiyang Liu, Jun Peng, Jingrong, Boyang Yu Wang**, “A Learning-based Data Placement Framework for Low Latency in Data Center Networks”, IEEE, 2019.



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