

CAMPUS PLACEMENT PREDICTORSri. B. SURYANARAYANA MURTHY ¹, GILAKALA.SUNIL KUMAR ²**Assistant Professor MSC (CS),DEPT, Dantuluri Narayana Raju college, Bhimavaram,
AndhraPradesh****Email id:-suryanarayanamurthy.b@gmail.com****PG Student of MSc Computer Science, Dantuluri Narayana Raju College, Bhimavaram,
AndhraPradesh****Email id:-Gilakalasunilkumar@gmail.com****ABSTRACT**

The high rates of unemployment in India can be battled by increasing the employability of people. The 20–24 age group is one of the largest groups of unemployed people, of which college graduates constitute a big portion. Colleges can drastically reduce the number of unemployed graduates by introducing courses and changing the curriculum to help develop the skills that employers look for in graduates. We built a system that helps analyze the difference in the skill sets of placed and not placed students. It predicts whether a student with a given skill set would be able to secure a job or not. It uses not only technical skills but also takes into consideration other soft skills which are essential to land a job. The accuracy obtained is 87% and 90% for the SVM model and LIGHTBGM model, respectively. We found that the technical skills, projects, certified courses are taken, and the internships of the student are the most important parameters. The results are promising and sure to improve placement rates in colleges.

1 INTRODUCTION

Our project is mainly focused on analysis and tracking of student Performance in placement drives. To implement this application, coordinator has to collect the student's data, those who are eligible and qualified for the aptitude and future rounds.

The current system is computerized one, but it does not meet the needs of Training and Placement Cell. In existing system, the student's data is maintained in Excel Sheets. According to the Company's Requirement the data is short listed manually by the TPO's. Handling and maintaining of student's data manually is hectic to the T&P Dept and sometimes it might be inaccurate. To overcome these limitations, we proposed a new system called "AN EFFECT OF ERP ON WEB BASED PLACEMENT ANALYSIS AND TRACKING SYSTEM". The main purpose of this project is to add new features to existing system. The proposed one is an online system which can be accessed throughout the Organization and outside as well with valid login credentials. This system can be used as an application for the Training and Placement Department of the college to manage student's information regarding Placements. The student's record includes personal details, educational qualifications, professional skills and academics, etc., This system acts as central repository for student information

This project is aimed at developing an online application for the Training and Placement Dept. of the college. This system is an online application that can be accessed throughout the organization and outside as well with proper login credentials. This system can be used as an application for the T&P department of the college to manage the student's information regarding placement. Students can view the companies schedules which are going to the college and schedule dates for upcoming

company and also they have login ID, username they can change their password without concerned Admin. Coordinator send message to the student about upcoming placement to our college.

2. LITERATURE SURVEY AND RELATED WORK

Shiqiu Huang, R Zhang, Zhengwei Qi investigated on the Dynamic taint analysis is a prevalent approach to protect a program from malicious behaviors, but fails to provide any information about the code which is not executed. This paper describes a novel approach to overcome the limitation of traditional dynamic taint analysis by integrating static analysis into the system and presents framework SDCF to detect of ware vulnerabilities with high code coverage. Our experiments show that SDCF is not only able to provide efficient runtime protection by introducing an overhead of 4.16 based on the taint tracing technique, but is also capable of discovering latent software vulnerabilities which have not been exploited, and achieve code coverage of more than 90% [1].

Almahdi Alshareef, Ahmed Alkilany basically focuses on providing a simple interface for the easy collation and maintenance of all manner of student information. The creation and management of accurate, up-to-date information regarding students' academic careers is critical students and for the faculties and administration of Sebha University in Libya and for any other educational institution. A student information system deals with all kinds of data from enrollment to graduation, including program of study, attendance record, payment of fees and examination results to name but a few. All these data need to be made available through an Online Interface [2].

Prabhu T Kannan, Srividya K Bansal focuses on providing information to support the operation, management and decision-making functions of enterprises or organizations. In the face of huge amount of information, it is required to possess the student information management system to improve the efficiency of student management. Through this system, the standardized management, scientific statistics and fast query of student information can be realized, and thus the workload of management can be reduced. In this paper, a typical student information management system will be established to realize the systematization, standardization and automation of student information relationship [3]

S.R.Bharamagoudar, Geeta R.B, S.G.Totad focuses on simple interface for maintenance of student information. The creation and management of accurate, up-to-date information regarding a student's 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 which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters, years. 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 [4].

3 EXISTING SYSTEM

Existing system does all process has done by manually. Placement officers maintain the information about students manually. If any modifications or updates are required in their profile of any students, it has to be done manually. This is very difficult task for TPO to maintain the student data and company details as it is time consuming, lack of security of data and also it takes more man, etc. This is so difficult to the Top when number of user's increases

Proposed system:

The proposed website includes the following features:

- Training and placement department maintains the details of each student.
- Students can view the status of their upcoming campus.
- Search feature helps to admin because they check particular student is present or not.
- Admin can only update student details and academic records like email id, current semester, correspondence address and marks obtained in different semesters via csv file.
- Provides a proper communication channel between student and training & placement department using the sms.
- Latest information about which company is visiting the campus is provided in the website which helps the students to get updated information quickly.
- Website is user friendly with more GUI so that student view the information easily.
- Duplicate registrations can be avoided and hence it provides reliability.
- Only administrator can modify the Placement and organization record if needed.
- website more helps to make a short list of students who get placed in certain Company and who is unplaced. Student can manage passwords, access technical papers and view eligibility criteria for on-going recruitments. Coordinators maintaining the attendance records of CRT classes.

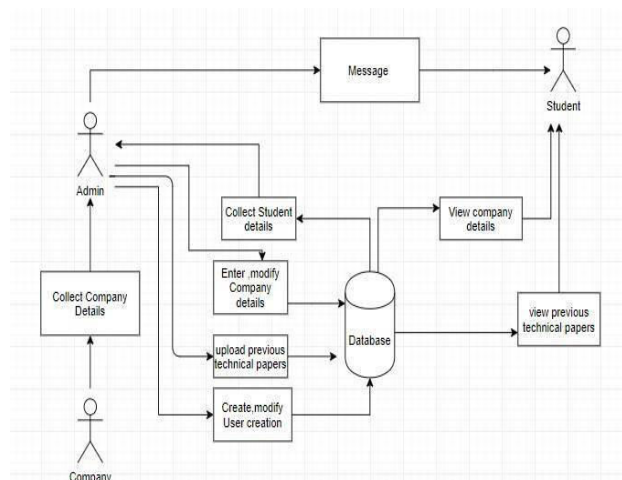


FIG 1: SYSTEM ARCHITECTURE

4 METHODOLOGIES

Building a campus placement prediction system involves several modules and steps. Here are some key modules to consider:

- **Data Collection:** Gather historical data related to campus placements. This may include information about students, their qualifications, the companies that visited the campus, job offers made, and other relevant details.
- **Data Preprocessing:** Clean and preprocess the data to handle missing values, outliers, and ensure data quality. This step is crucial for accurate predictions.
- **Feature Engineering:** Create relevant features from the data that can help in making predictions. This may involve transforming and selecting the most informative features.
- **Data Visualization:** Visualize the data to gain insights and understand patterns. Visualization can also help in feature selection and model evaluation.
- **Model Selection:** Choose appropriate machine learning or deep learning algorithms for the prediction task. Common choices include logistic regression, decision trees, random forests, support vector machines, and neural networks.
- **Model Training:** Train the selected model on the preprocessed data. This involves splitting the data into training and testing sets and fine-tuning hyperparameters.
- **Model Evaluation:** Assess the model's performance using evaluation metrics such as accuracy, precision, recall, F1-score, and ROC-AUC, depending on the nature of the problem (binary classification, multi-class classification, etc.).

5 RESULTS AND DISCUSSION

Campus Placement Prediction
Enter Details for forecast.

SSC_PPRN_05-100
INTERMEDIATE_PPRN_05-100
Degree_PPRN_05-100
HONL_01-00
SSC_01-00
gender
inst_a
INTERMEDIATE_A
INTERMEDIATE_B
degree_1
inst_b
specialization

Predict

FIGURE2 HOME PAGE

FIGURE 3:- INPUT DATA FOR PREDECTION

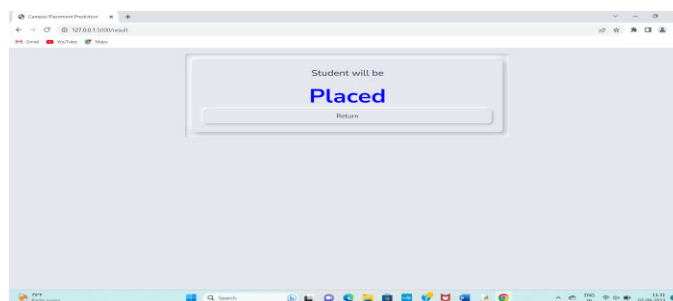


FIGURE 4 :- PREDICITED RESULT STUDENT PLACED

6.CONCLUSION AND FUTURE SCOPE

In the existing system most of the the work will be done manually, as it takes more time for any changes in the system. The major problem with this existing system are notification method available is not available for giving information about student expect the notice board or circulars. The proposed system is online training and placement management system gives the automation in all the process of campus recruitment, searching student details individually. This system in future could be joined to Sms server so that it can notify the message to students via Sms for upcoming companies.

FUTURE SCOPE:

- In future there is a chance to conduct MR after HR in such cases we can change the application according to the requirements.
- There is a chance to generate graphs on placement procedure on the bases of database.
- In future there is a scope for staff/coordinators to change their passwords. In future we can add an alert domain for the sake of students.
- In future we can add a Feedback from student to faculty.
- In future we can add Company information through company page links.
- In future we can add Chatbot for clarifying our doubts.

7 REFERENCES

- 8 Shiqiu Huang, R Zhang, Zhengwei Qi: Static program analysis assisted dynamic taint tracking for software vulnerability discovery.
- 9 Almahdi Alszzhareef, Ahmed Alkilany "Toward a Student Information System for Sebha University, Libya", Fifth international conference on Innovative Computing Technology.
- 10 Prabhu T Kannan, Srividya K Bansal, "Unimate: A Student Information System", 2013 International conference on advances in Computing, Communications and Informatics.
- 11 www.php.net.
- 12 SlideShare: <https://www.slideshare.com>.
- 13 Sql: <https://www.mysql.com>.
- 14 www.guru99.com.