iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 12 **Issue:** IV **Month of publication:** April 2024

DOI: https://doi.org/10.22214/ijraset.2024.60195

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 12 Issue IV Apr 2024- Available at www.ijraset.com

"Career-Sync" Integrated Training and Placement Platform

Prof. A. A. Bhuyar[1], Eshwari Tayade[2], Ritesh Sherekar[3], Saurabh Wankhade[4], Khushi Makwane[5], Yash Wasankar[6]
[1]Assistant Professor, [2,3,4,5,6]Final Year, Department of Computer Science and Engineering,
Sipna College of Engineering and Technology, Amravati, Maharashtra, India.

Abstract: ***The suggested integrated training and placement platform provides a complete solution. This platform simplifies key processes during recruitment events, like selection of eligible candidates and keep students informed about their progress in the recruitment process. By digitizing student records, the system makes search operations and organization of information easier, boosts efficiency. It introduces a fresh method to handle time-consuming tasks in an organized way. The proposed platform aims to transform training and placement procedures by offering a user-friendly interface that streamlines operations, minimizes manual tasks, and guarantees a smooth experience for both students and placement officers.***
Keywords: Training, Placement, Jobs, TPO, Student, Recruitment

I. INTRODUCTION

The paper discusses an integrated training and placement platform that automates activities of the placement cell and provides opportunities for student such as integrated platform for reaching out to companies, managing their own records and profile. Campus recruitment is common in all colleges yet sharing of company profiles along with the selection process with the students brings a lot stress to the placement officers and students as well. While campus selection, the major task is to maintain student data to give verdict whether they are eligible for the process or not and this process is maintained manually. Therefore, to minimize this stress and make this process efficient, a system is required to do a whole lot more than just reduce paperwork. The system makes it friendly to distribute, share and manage the information with higher efficiency and easiness. It helps to convey information to the student at the fastest possible rate. Our project provides the facility to maintain details of the student and get the list of students for the company to recruit the student based on given conditions. The system aims to minimize paperwork, save time and improve the efficiency of the placement process. It allows student to register, search for companies, and apply, while providing placement cell with tools to manage student information, and communicate with different users.

II. OBJECTIVE

1) To automate the Training and Placement unit of colleges, reducing manual work and optimizing processes for increased efficiency and security.
2) The existing system has limitations such as errors due to human intervention, time consumption, sorting and searching problems, and lack of awareness among students. The proposed system aims to address these limitations.
3) The online training and placement management system facilitates student registration, data retrieval, and effective actions by job providers and placements coordinators.
4) The proposed system enhances communication, efficiency, and accuracy in training and placement.

III.PROBLEM STATEMENT

Existing system is manual, leading to various issues such as maximum manual work, errors, time-consuming procedures, file system limitations. These problems result in difficulties in update of records, duplication of files, less alertness among students regarding training and placement opportunities, less optimized access sheets, lack of communication. The proposed system aims to address these issues by automation of the Training and Placement unit, reducing manual work, optimizing processes, and improving communication.

IV.LITERATURE SURVEY

After referring various study material on automated training and placement platforms, it pointed out that the challenges that occurred due to manual system like paper-based processes, spreadsheets, leads to inefficiencies, inconsistencies, and security risks.

©IJRASET: All Rights are Reserved

Title: Online Training and Placement Management System
Author: Akash Kumar, Manisha Chauhan, Yash Srivastava, Madhavi Mane
Year: 2020
Limitation: Even though the system covers important aspects from prospective of the both TPO and students. It allows student to change their respective profiles which is in some view is right but in the case of security it may affect the integrity of the data. Whereas the proposed system allows student to fill the academic details once, but for important modification such as marks they need to go through the training and placement coordinator. [3]

Title: Implementation of Training and Placement System
Author: Aishwarya Baile, Pratik Sawarkar, Pratik Wankhede, Rajat Manwatkar, Raman Barsagade, Prof. Preeti Karmore
Year:2021
Limitation: The software system is providing student to upload their details and admin can eliminate faulty accounts, but admin does not have any rights to append anything in the student database. In the system an intermediate is present between student and company database where as the proposed system based on the singleton pattern. [2]

Title: Design Paper on Online Training and Placement System (OTaP)
Author: Nilesh T. Rathod, Seema Shah
Year: 2022
Motivation: The OTaP system gives us automated training and placement system. The application provides facility of maintaining the details of the student. This project aid colleges to practice automated system without non-paper-based system. [5]

Title: Web Based Placement Management System
Author: Anjali. V, Jeyalakshmi. PR, Anbu Bala. R, Sri Mathura Devi. G, Ranjini. V
Year: 2016
Limitation: The "WEB BASED PLACEMENT MANAGEMENT SYSTEM" solely manages student data for placement, whereas the proposed system extends to job-related activities, document uploads like certifications and resumes, aiding placement coordinators in assessing students' academic profiles effectively. [1]

V. METHODOLOGY

The research design for an integrated training and placement platform adopts a mixed-method approach such as qualitative as well as quantitative methods to investigate the effectiveness and impact. The qualitative aspect includes the past experiences and expectations regarding manual process to gather insights. The quantitative aspect includes survey to collect the data through which a strategy can form to overcome the unpleasant experiences regarding training and placement activity.

A. Survey Analysis

To gain the views regarding manual system a survey has been conducted with means of google form. It was conducted among the students to understand the concern of the student and it had total of 4 questions. There were 156 responses and their responses were studied.

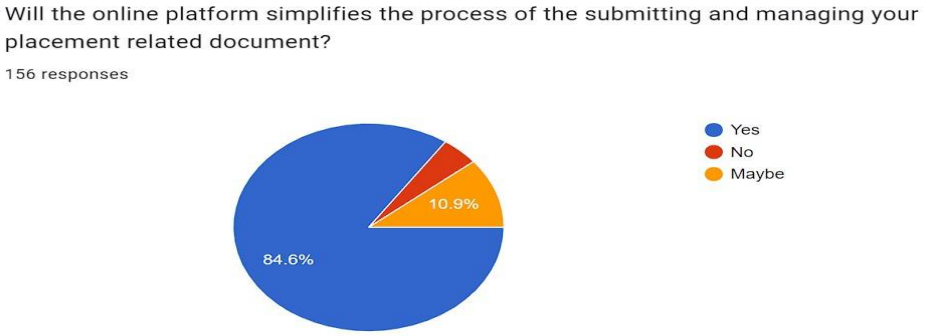


Fig 1: Will the online platform simplify the process of the submitting and managing your placement related document?

From this question, it states that 84% of the student thought that online platform for training and placement will be beneficial for the document management and student want a new feature that manage the paperwork.

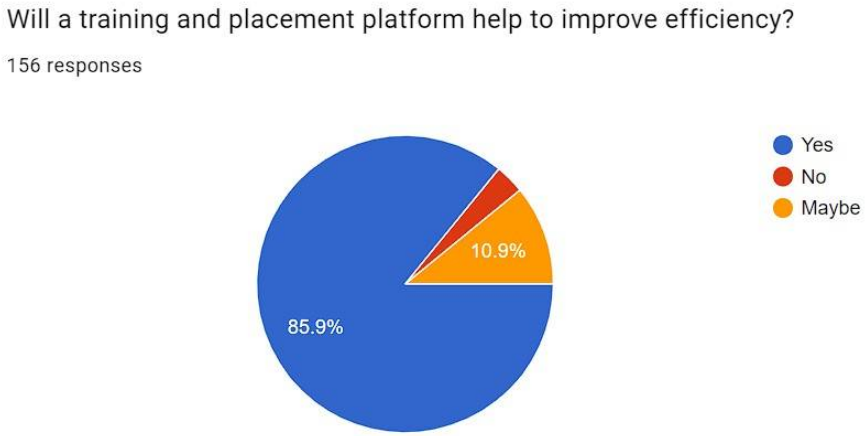


Fig 2: Will a training and placement platform help to improve efficiency?

From this question, it states that 85% of the student thought that integrated platform for training and placement will be an advantage to improve the speed of the process and handle work with efficiency. And it will help them move in right direction.

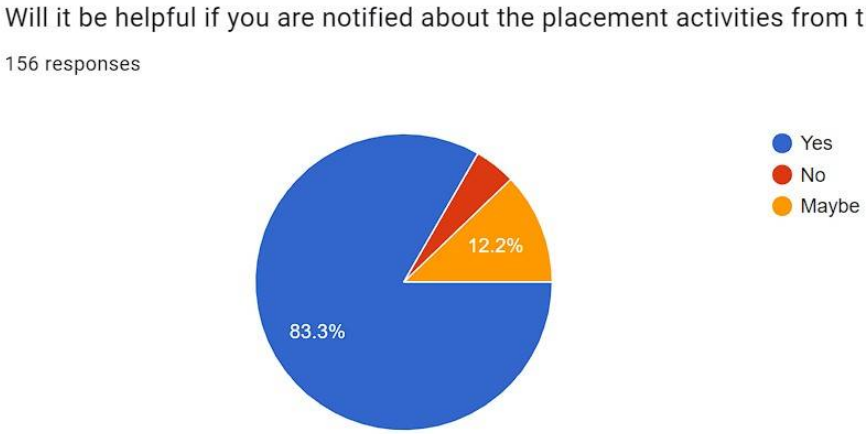


Fig 3: Will it be helpful if you are notified about the placement activities from time to time?

From this question, it predicts that most of the student i.e. 83% of them thought that notification of the drives and other thing is important. As it saves the time and improve the way of communicating.

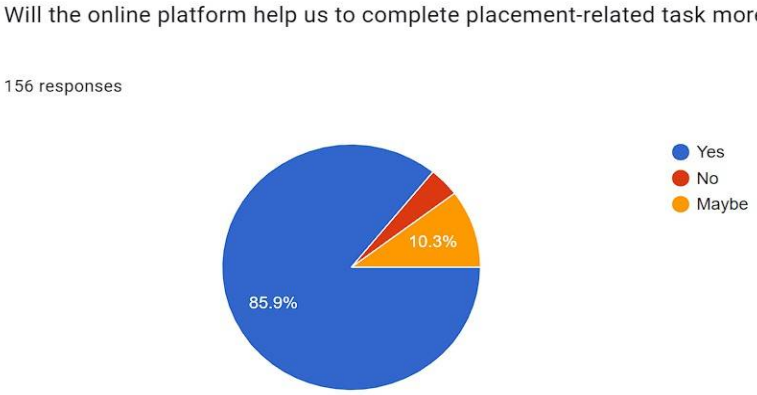


Fig 4: Will the online platform help us to complete placement-related task more quickly?

From this question, it predicts that the integrated training and placement platform is need of the hour as 85% student thought that it will help to complete task more quickly and efficiently. It will help to manage tasks that are more exhausting and non-efficient.
From the above questions it is cleared that the proposed system will definitely beneficial for all. As it will be helpful in many tasks such as time management, eligibility criteria management, real time updates, notifications and alert. The proposed Integrated Training and Placement Platform is intended to avoid all the existing drawbacks present in the manual system like handling paperwork such as resumes and certifications manually, manual sorting of student data, information transfer through notice board. The proposed system overcome this manual situation. The implementation will be the future of the recruitment process. Practicing such system will be more feasible. [6]

B. Modules

The proposed system contains three modules and they are student, teacher coordinator and training and placement officer. Each one of them has specific role in the system, responsibilities and different accessibility level. The training and placement officer has access on the all system such as job posting, managing company details, manipulate the student records and can manage teacher coordinators information as well. Teacher coordinators works under training and placement officer and they can access the student data, job portal and student registration as well. Students are allowed to maintain their profile, apply for jobs available in job section, upload related documents such as certifications of the various achievements, this allows the student to have open access to all company recruitment process and their information. [4]

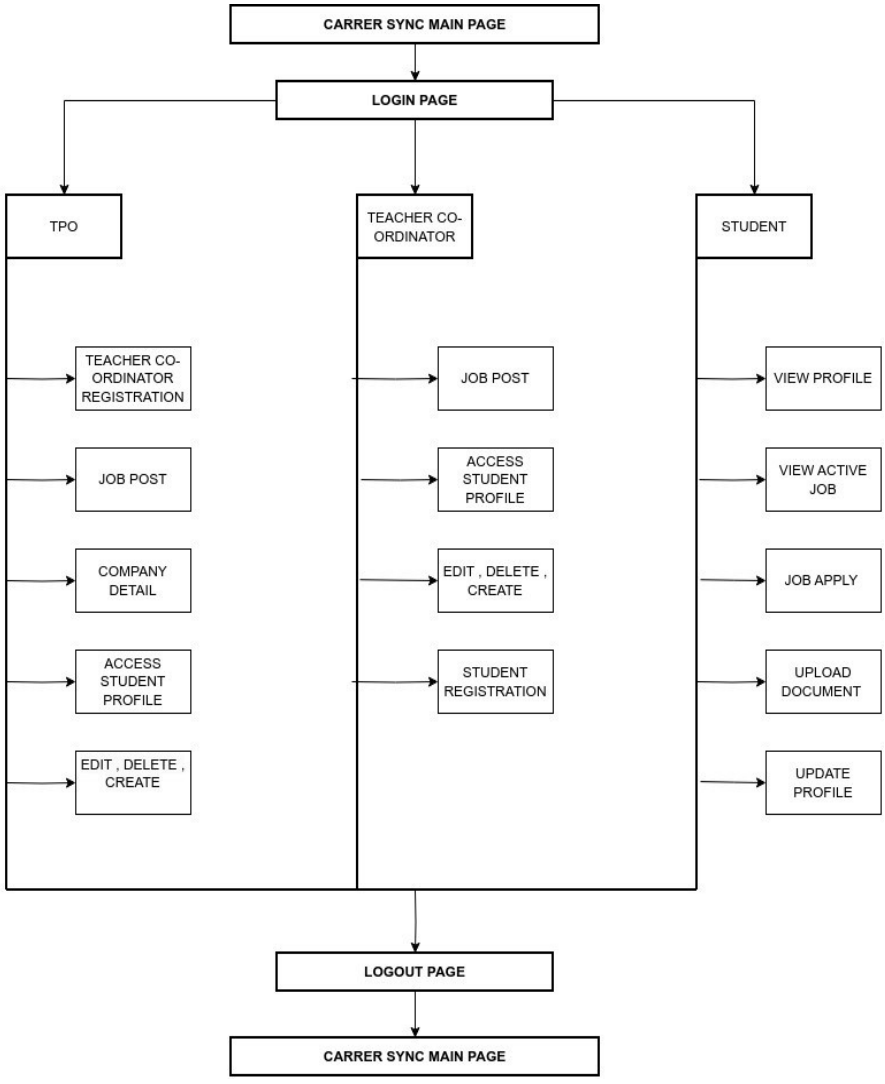


Fig 5: Workflow Diagram of the System

1) *Student:* In the student module, the student gets registered to the system with the help of teacher coordinator of their respective department. Once the student gets the credentials to login into system through username and password. Student will get a unique registration ID in the form of username. Student will be able to access their respective information and they will be able to upload the certifications of their achievements along with resumes, update their profiles such as updating skills, apply for active jobs present in job section. Student have to go their respective teacher coordinator if they want to update their academic details which are important in terms of placement perspective. In such ways student can save their time and utilize it in improving their skills. The details filled by the student will automatically display in teacher coordinator and training and placement officer account.

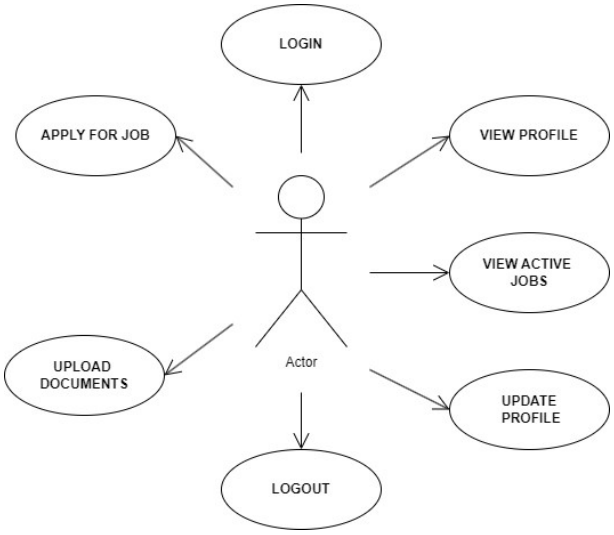


Fig 6: Use Case Diagram of Student

2) *Teacher Coordinator:* In the teacher coordinator module, Teacher coordinators are working under training and placement officer so teacher coordinators will get their login credentials through the training and placement officer. After getting credentials teacher can login to system and get access of all the student data to handle different activities regarding placement process such as filtering student based on the conditions proposed by the recruiters. As student has been restricted to manipulate academic details, they can do so through the consult of their respective teacher coordinator. Teacher coordinators will also able to post the active jobs in the job section through which student can apply for the jobs. And they will able to share required details to the companies which are conducting drives in the campus. Coordinators can also manage their profiles and be able to maintain records of students placed in the campus along with their respective posting.

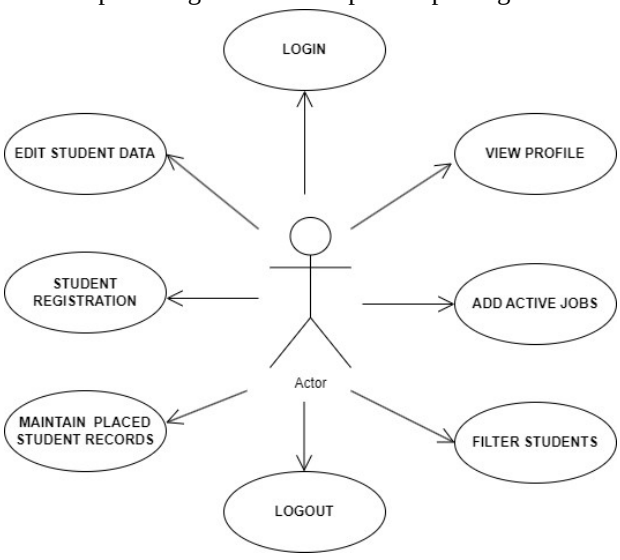


Fig 7: Use Case Diagram of Teacher Coordinator

3) *Training and Placement Officer:* The training and placement officer is the owner in the system. Administrator plays a significant role in the system. Training and placement officer gets the complete access over the system as they can manage teacher coordinators data as well students' data, they can also appoint a teacher coordinator according to their requirement and through the training and placement officer teacher coordinators will get the login credentials, means teacher coordinator registration is done by training and placement officer. As they are the hole sole manager, they also able to manipulate student data and can also admit student and filtering of the students for the drive purpose. They also able to get aggregate information about students as well teacher coordinators such as count of coordinators and in case of student, the total count of placed as well as unplaced students. TPO also has access to the job section such as creating an active job for the student. They are also in contact with the different companies which are coming to the campus so TPO plays a crucial role in terms of active jobs and placement.

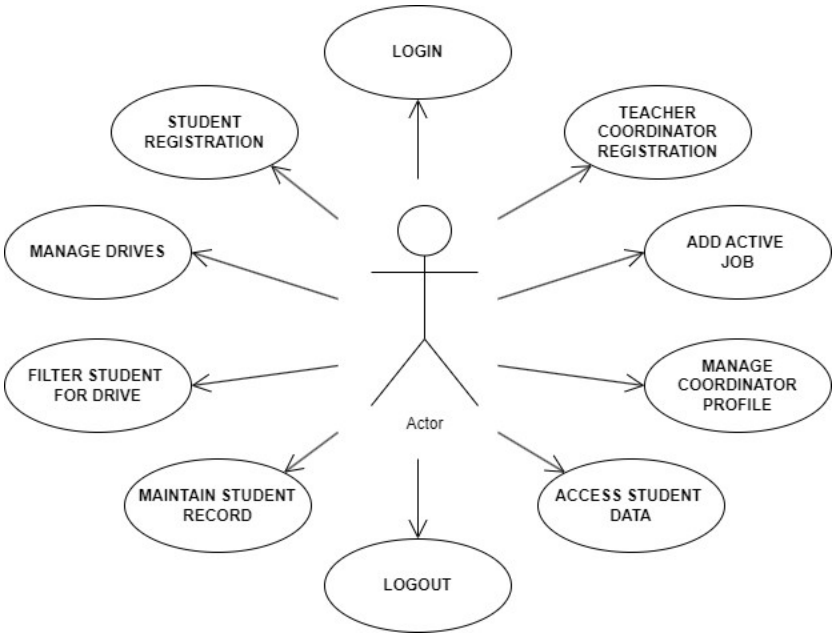


Fig 8: Use Case Diagram of TPO

VI. RESULT

As "Career-Sync" integrated training and placement platform has three modules such as student, teacher coordinator and training and placement platform as each one has their specific login roles so while login process, they have to select their roles according to their designation as we can see in the below fig. of the login form has role field.

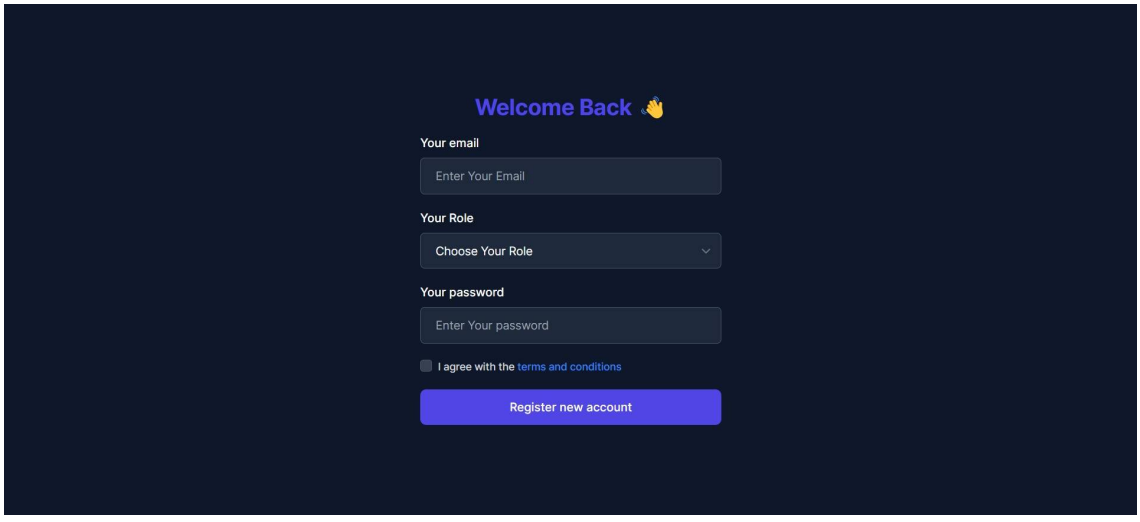


Fig 9: Login Page

Student is the main asset of the integrated training and placement platform. Student dashboard consist of Home page where different alert will be shown, along with the active jobs which has been posted by the teacher coordinators or TPOs, student can also able to change their password for the security purpose, change their personal information and upload necessary documents regarding drives and maintaining profile.

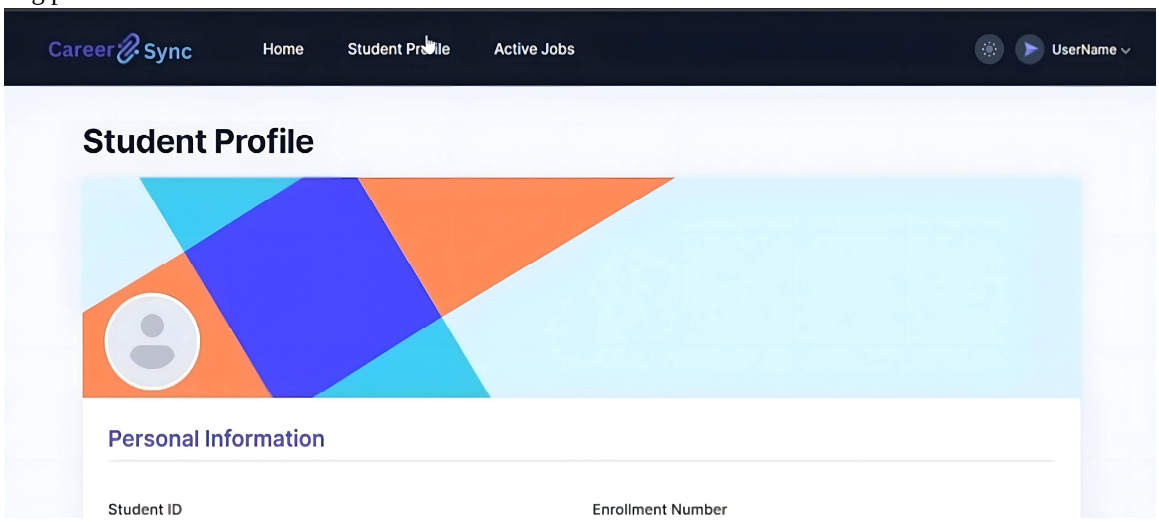


Fig 10: Student Dashboard

Teacher coordinator dashboard consist of various functionality from maintaining student data to posting upcoming drives information, teacher can also manipulate the student information, if student want to change their marks after rechecking or re-evaluation process, they have to do so through their respective teacher coordinator.

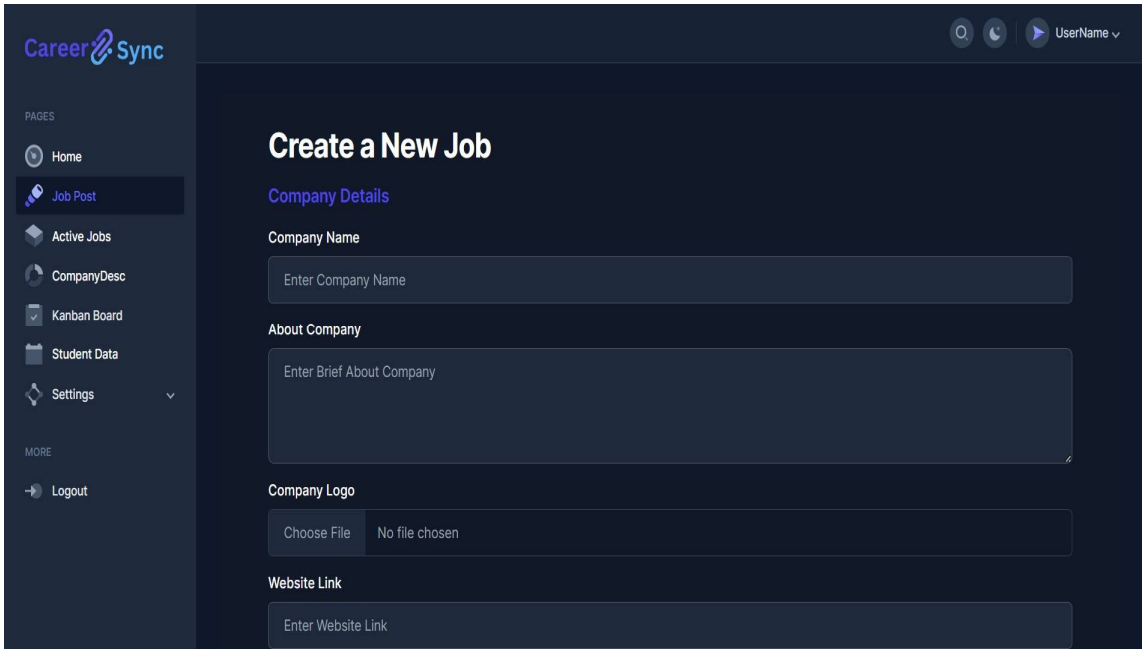


Fig 11: Teacher Coordinator Dashboard

Training and placement officer is the admin of the system, they also have the access to the functionality as teacher coordinator, addition to that only training and placement officer has access to create account for the teacher coordinator as TPO is responsible for assigning someone as teacher coordinator for the respective departments, teacher coordinator is dependent on the TPO for their credentials.

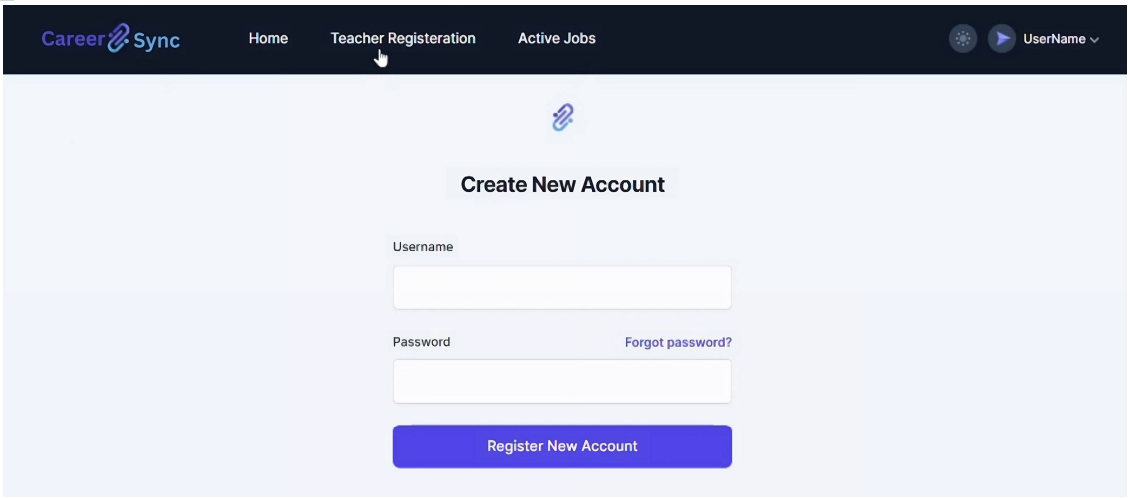


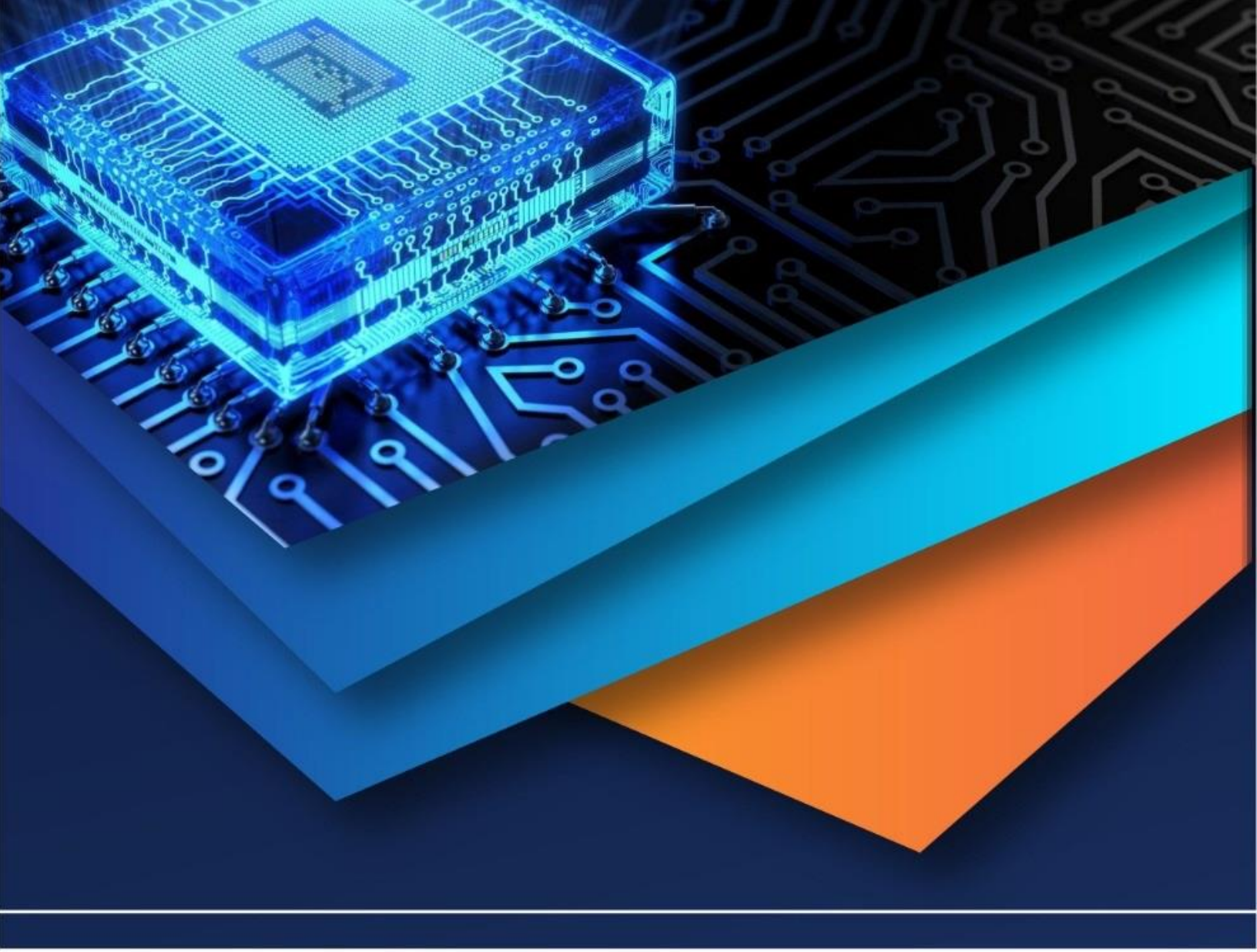
Fig 12: TPO Dashboard

VII. CONCLUSION

The existing system has many anomalies such as paperwork, lack of time management, notice-board notification system which was a hurdle for handling placement related processes smoothly. To overcome this drawback an integrated training and placement platform is proposed, which is helpful in various processes which are required at the time of the drives such as filtering student to get a list of eligible candidates, informing students regarding their status in the drive process. It helps to maintain the student record in virtual manner, searching and sorting operations are easily perform in this system. The system provides an alternate way to tackle time consuming process in a systematic manner.

REFERENCES

[1] Anjali.V et al. Web Based Placement Management System. url: www.ijcsit.com.
[2] Aishwarya Baile et al. 'Implementation of Training and Placement System'. issn: 2395-6011. doi: 10.32628/IJSRST. url: www.ijsrst.com.
[3] Akash Kumar et al. 'Online Training and Placement Management System'. In: IJSDR2004064. International Journal of Scientific Development and Research (2020). issn: 24552631. url: www.ijert.org,ICACT.
[4] Santhosh Kumar & Mrs Srividhya. Online Training and Placement Management System. 2016. url: www.ijert.org.
[5] Nilesh T. Rathod & Seema Shah. 'Design Paper on Online Training and Placement System (OTaP)'. In: International Journal of Communications 16 (Mar. 2022), pp. 8–12. issn: 1998- 4480.doi: 10.46300/9107.2022.16.2.url: https:// npublications.com/journals/communications/2022/a042006-002(2022).pdf.
[6] Janhavi Tawde et al. 'Design and Development of Placement Portal for Institutions'. In: International Research Journal of Engineering and Technology (2022). issn: 23950056. url: www.irjet.net.



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089 (24*7 Support on Whatsapp)