



## Enhancing E-Learning System by Collaborating with Placement System and Analytics

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**Abstract**— *E-Learning is the current buzzword in the market. E-Learning promises to fulfil the education needs around the world. The problems most students face regarding the selection of course is solved by providing analysis for the trending technologies. Analysis in existing E-Learning system helps student to select desired course from courses related to trending technologies. E-Learning refers to a method of learning that is made available to the learner through electronic technology. Personalization is done in e-learning as per the various learners. A real time interaction has been made in this e-learning service which is to be more helpful for the distance learners where they can clarify their doubt [1].*

**Keywords**— *E-learning, courses, traditional system, proposed system, placement cell.*

### I. INTRODUCTION

Enhancing The E-learning System by Collaborating with Placement System and Implementing Analytics (EESCPS) is an education platform that prepares students for gaining the skills and knowledge that a company requires for implementing complex solution or solve real world problems. Our System will provide the student with the detailed analysis of technologies which are trending. The site provides various courses in various fields as per interest of students. Individuals can enroll for any number of courses as per their interest. Each course has its own duration.

Objective:

1. To analyze current trends in corporate world.
2. To provide online courses.
3. To provide Placement.
4. Collaborating e-learning system with placement.

This system will be doing Analysis of various trends in the corporate industry. We'll be providing a detailed analysis of all the job requirements in the corporate world. The user/student will have access to the detailed analysis and then he/she can opt for suitable course according to his/her needs. A detailed analysis will help the student to get a job once he/she completes his/her course.

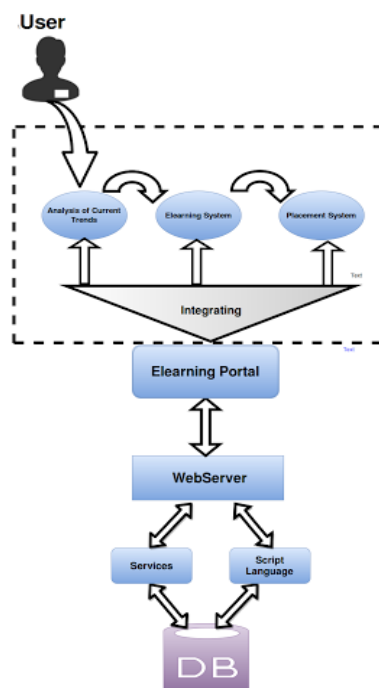


Fig 1.1 Block Diagram of EESCPS.

## II. IMPLEMENTATION

### A. Problem:

When secondary education is completed, many students join universities, colleges and technical institutes to pursue careers that do not match their capabilities and often make vocational choices based on, their parent's wishes, their teachers advice, the job market, hearsay speculation and what seems to be tick at that moment.

The lack of guidance based instruction in our education system has resulted in a large portion of the population being placed into jobs which are not appropriate to their unique personalities. There exist a great skill gap in many organizations [2][3].

Studies demonstrate that individuals whose interest matches with their career are more successful, confident and comfortable. They are more efficient in their work and display higher levels of motivation and satisfaction[4].

### B. Solution:

Enhancing E-Learning System by Collaborating with Placement System and Analytics Part [EESCPS] E-Learning promises to fulfill the education needs around the world. The problems most students face regarding the selection of course are solved by providing analysis for the trending technologies. Analysis in existing E-Learning system helps student to select desired course from courses related to trending technologies. After the completion of course our Enhanced System provides placement features to client. If client are interested in placements then they can proceed in placement process for suitable companies.

### C. Traditional System

The traditional system consisted of an e-learning system and has faculty members, students and guests as users of the system. It provides users with various services including course catalogue, course hosting and resource sharing [5][6].

Problems of Traditional System

1. Students can't decide which course to opt for.
2. No information of trending technologies.
3. Once course is over students face difficulty for placement.

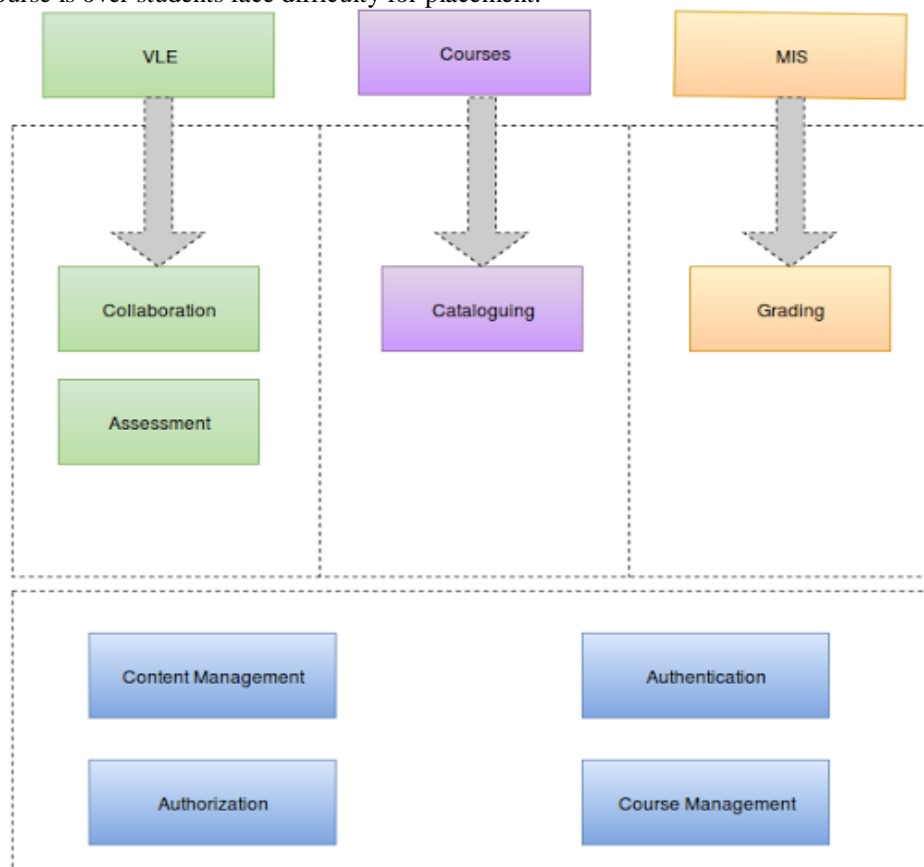


Fig 2.1 Traditional System.

### D. Proposed System

The Proposed system is derived from the traditional system and inculcates features such as providing analysis to students/users regarding trending technologies in industries and a new placement system which makes it easier to apply for placement process.

Proposed System benefits:

1. Students get to know the trending technologies in the market and register for appropriate courses.
2. A new placement system which certified students can apply for.

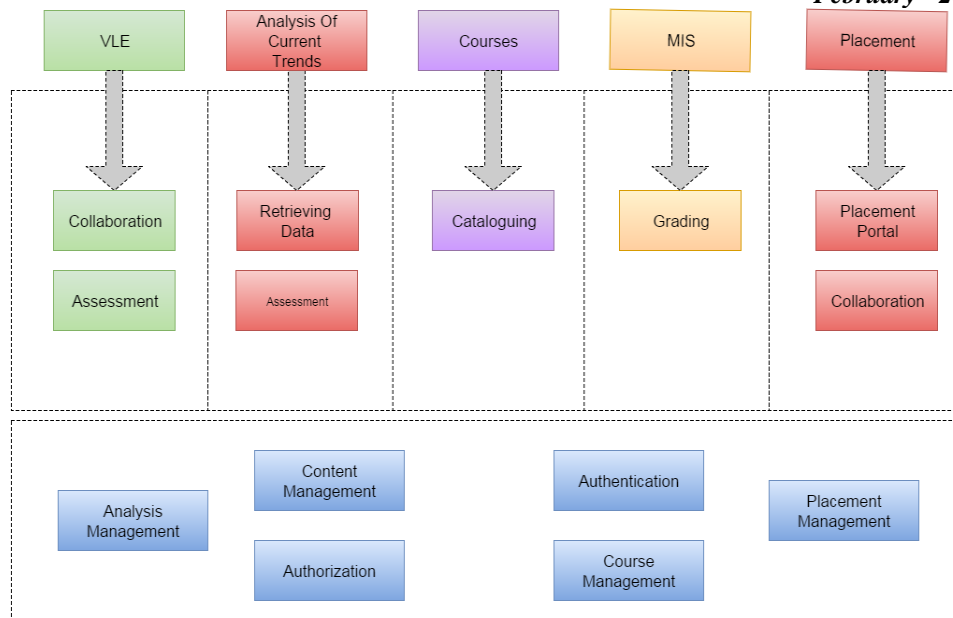


Fig 2.2 Proposed System.

**E. E-Learning**

The E-Learning system gives users easiness to opt for various courses. Courses in various fields will be provided. Users have to create an account on the website. Users can join any number of courses. Each course has a time limit after that it will be unavailable. Prerequisites will be provided for each course and what it will contain and what students will come to know after they complete the course. E-Learning system makes it possible to teach thousands of students at a time whereas in a classroom environment there is a restriction on number of students [7].

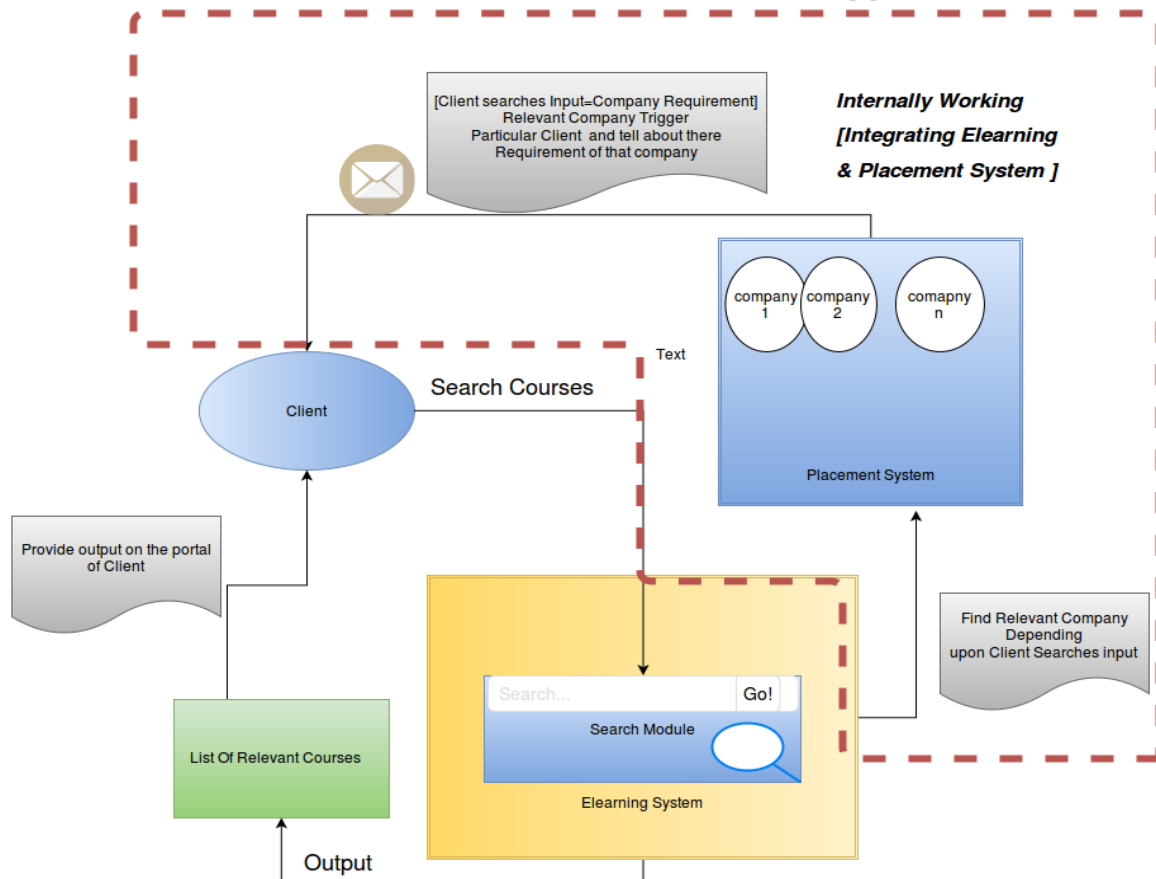


Fig. 2.3 Course search module.

**Search Algorithm:**

- Step 1: Student enters search query.
- Step 2: Search query in database and notify companies about query.
- Step 3: Return search result to student and notify student from placement cell about vacancy.

Student searches for Courses by using this module. Search Module Capture Student's Input and maps them with company's profile. If search input data is relevant to companies Requirement. Then company notifies the client about the requirements of that company.

### F. Placement System

Once students complete the course they face difficulty for getting placements. They apply for jobs in various companies and then wait for the response from them. The response usually varies from some days to months which waste a lot of time of the individuals. Collaborating the Placement system with the E-Learning system will make it easy for students to apply for placements. Students will be shown list of companies where there are vacancies. Students can apply for placements in those companies. Once applied there will be an aptitude test conducted which will shortlist students based on their performance. Companies will inform the shortlisted students about the interview process and its date and time.

The placement system will include a virtual Placement Cell where students information will be maintained. Companies can view this information through the Placement Cell. The objective of Placement system is to ease and automate the Placement process and maintain the student database and provide student information when required [8].

Placement cell can be accessed by the organization and the TPO admin through authentication. Organizations can access the Placement cell for the purpose of viewing student information only. Only those students information will be shown who have applied for placement in the respective company. TPO admin can access the Placement cell for maintaining and updating the data of Placement cell.

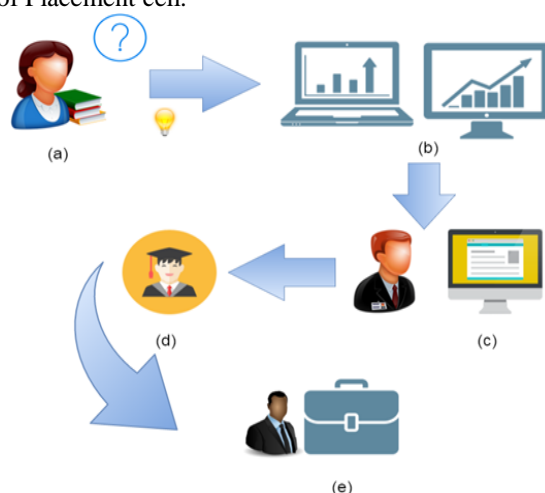


Fig. 2.4 System Overview.

In the above Fig 2.4, the flow is as follows

- (a) Students are confused what course to opt for.
- (b) Students visit the E-Learning site and have a look at the analysis of trending technologies in the market.
- (c) Students start the respective course.
- (d) Students complete the certification.
- (e) Certified students can sit for placement process and may get placed based on their skills.

### G. Analysis

Analysis of current trends by retrieving the requirement from different corporate companies as shown in graph we provide this graph on our system.

We will collect information from the companies regarding the vacancy they have and for which technology. This analysis will help to determine the demand for technology in the industry which will help to determine which course to select.

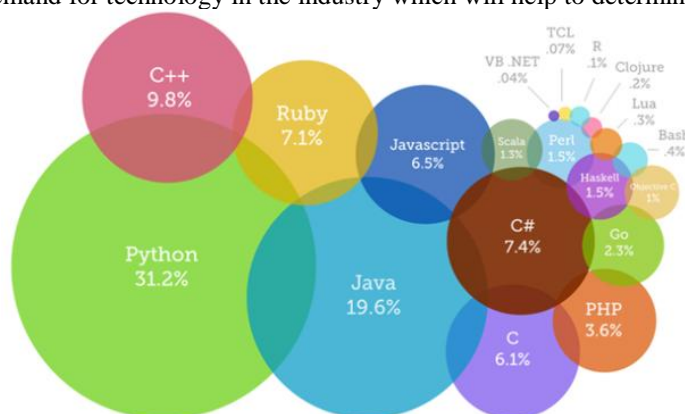


Fig. 2.5 Technology demands in Industry.

### **III. CONCLUSIONS**

Enhancing The E-learning System by Collaborating with Placement System And Implementing Analytics is an education platform that prepares students for gaining the skills and knowledge that a company requires for implementing complex solution or real world problems. Our System will provide the student with the detail analysis of technologies which is trending

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