

Training & Placement Management System

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Abstract - The management of Training and Placement is supported by paper-based systems, databases, spreadsheets and email communications. Training and Placement is the crucial part of any educational institute in which most of the tasks are being done manually. The aim of this project is the automatization of Training and Placement of VNITSW. The project will include minimal manual work and maximum optimization which will help students as well as the administration authority to carry out each and every activity regarding placements.

The system is an application that can be accessed and effectively used throughout the organization with proper authorization enabled. This system can be used as an application for the placement officers in the college to manage student information with regard to placements. Information about placed students are only accessible to the authorized members. Our system is open to every student and is interactive and addresses their queries.

The key feature of this project is to eliminate single point of contact with placement coordinators and to automatize the existing system. Our project helps in fast access of procedures in placement related activities.

I. INTRODUCTION

Use of servers and databases has facilitated the provision of data from anywhere. It enables the students and TPOs to manage the information with regard to placements. Manual training and placement which is done is by human intervention due to which there is a maximum chance of errors. The system will be having different types of accounts for different types of users such as admin and students. 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 generated and students can choose if they are interested to attend the particular drive or test.

The details about the placed students are maintained in a separate database with proper authorization enabled. This provides us with quick and easy access of information. Information about training and upcoming drives is available. Provision of interaction with placed students and queries and doubts are addressed.

II. LITERATURE SURVEY

TPO of the institution gives the basic idea of the existing system, all the processes are handled manually. The administrator should refer all the records for the result analyzation. There are many limitations for the existing system, all the work that is done at VNITSW requires human intervention in which there were maximum chance of errors.

Administrators have 3 different users like TPO, TNP staff, and departmental staff. Each user provided a different features and security. In addition, TPO can search the eligible student based on company criteria and can generate the report. TPO can communicate with the student through Open Forum.

III. EXISTING SYSTEM

In the existing system every task which holds the activity to be performed with databases required more manual attention. It's a time expensive procedure which in worst case if not the information transferred leads to the loss of opportunities for students.

In VNITSW (Vignana's Nirula Institute of Technology and Science for Women) the problems of existing system are as follows,

Problems in Existing System

- Maximum Human Intervention: Every task related to placements requires human attention.
- Error Prone: Due to maximum human intervention there is a maximum chance of errors.
- Time Consuming and Tedious: Every task is tedious and time consuming.
- Less alertness: If not the students are provided with placement information in time there is a chance of loss of opportunities. Requires more attention to the task.
- Updating Data: Due to manual system and no centralized database the updation was an ambiguous task.
- Poor Communication: It is tedious for placement officers to interact with every student.

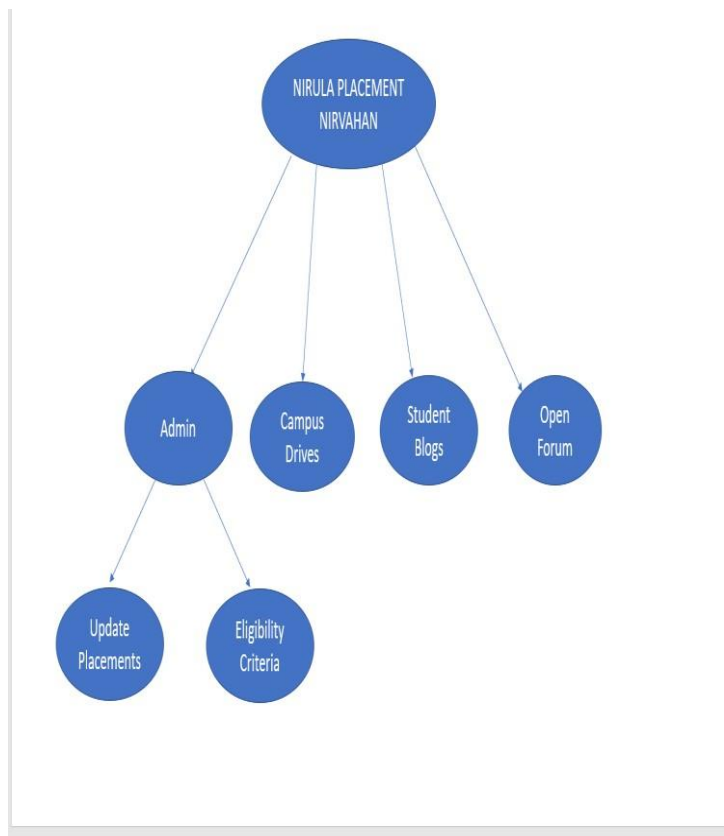
IV. PROPOSED SYSTEM

- The existing system performs all tasks manually. To get details, the administrator should sort among all the records that have been preserved for many years. This is really laborious and time consuming.
- The proposed 'Nirula Placement Nirvahan' gives the

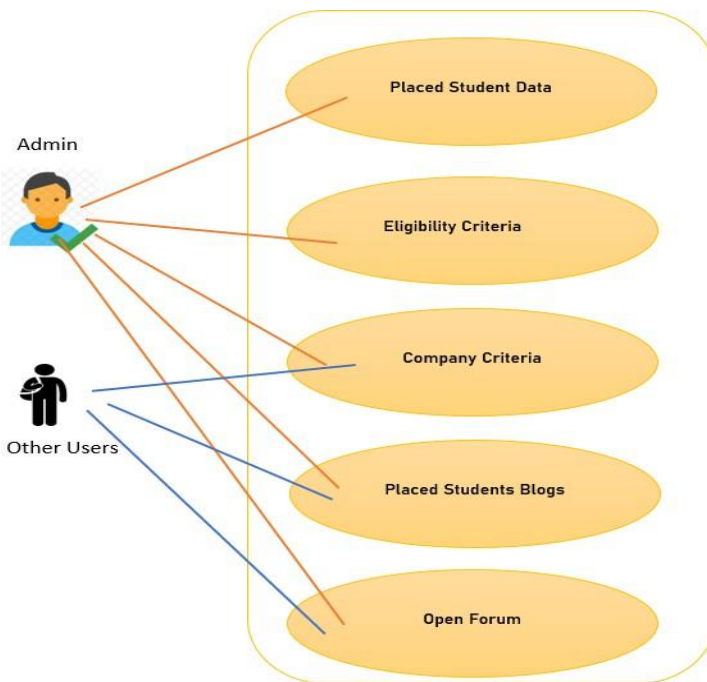
easy communication of information to students. Overcomes the limitations of the existing system and ensures to provide:

- Automatization of Entering and Accessing data
- Addresses single point of contact
- Security to data
- Eases the task of recruiters
- Ensures data accuracy
- Reduces paper work and saves time
- Easy communication of information to students
- Risk of loss of opportunities substantially reduced
- Queries answered through discussion forums

ARCHITECTURE:



USE CASE DIAGRAM:

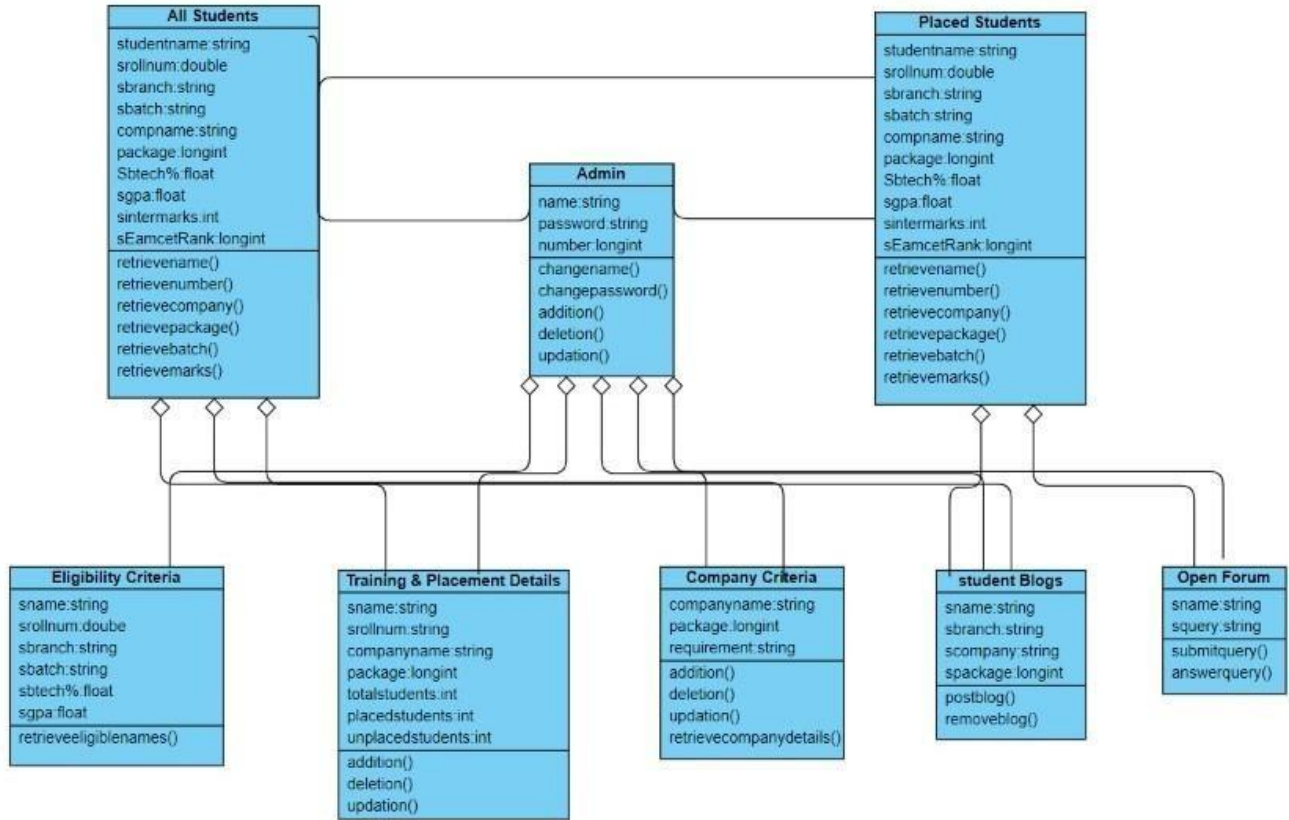


SAMPLE TABLES USED

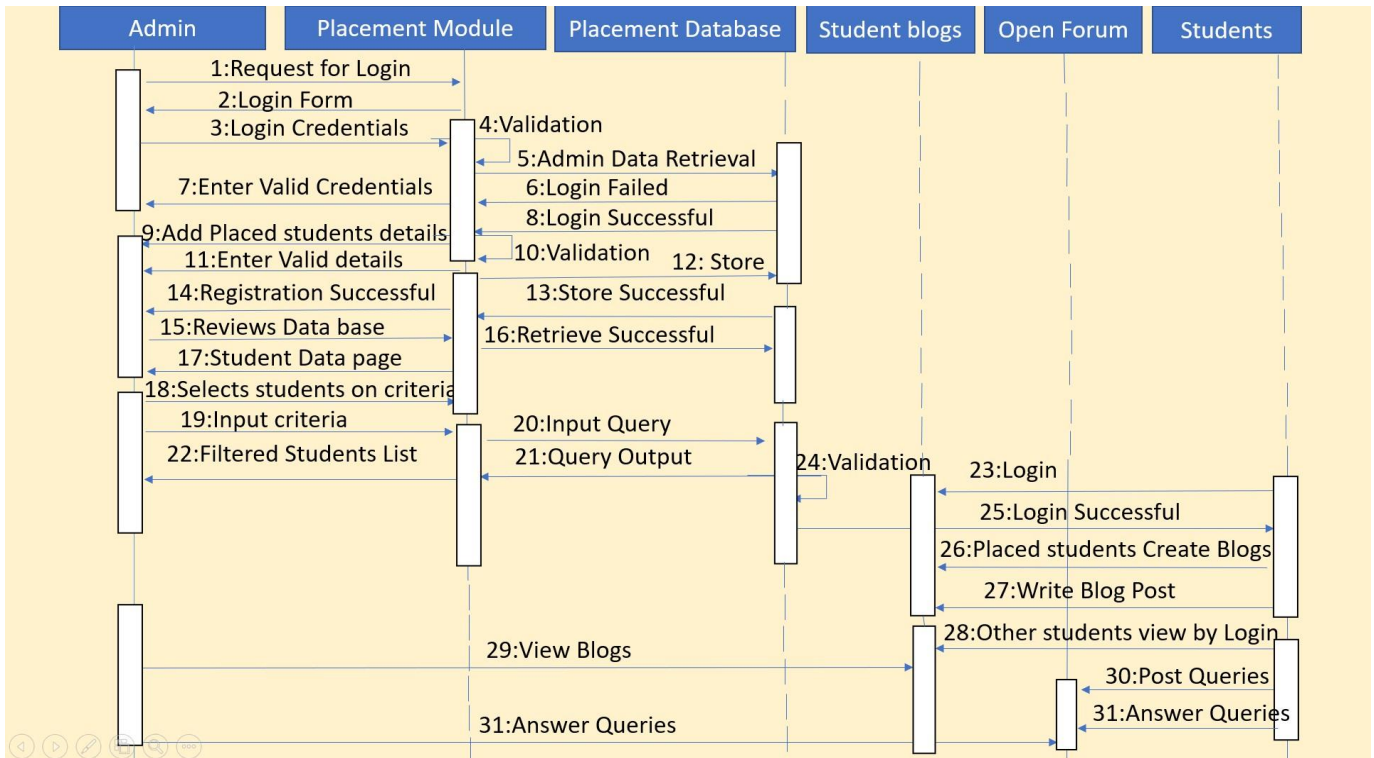
#	Name	Type
1	SNo 🔑	int(11)
2	RegNo	varchar(10)
3	Name	varchar(35)
4	Branch	varchar(4)
5	MailId	varchar(35)
6	ContactNo	varchar(12)
7	Company	varchar(20)
8	Package	int(11)
9	Backlogs	int(11)
10	Batch	varchar(10)

#	Name	Type
1	comp_id 🔑	int(12)
2	company	varchar(200)

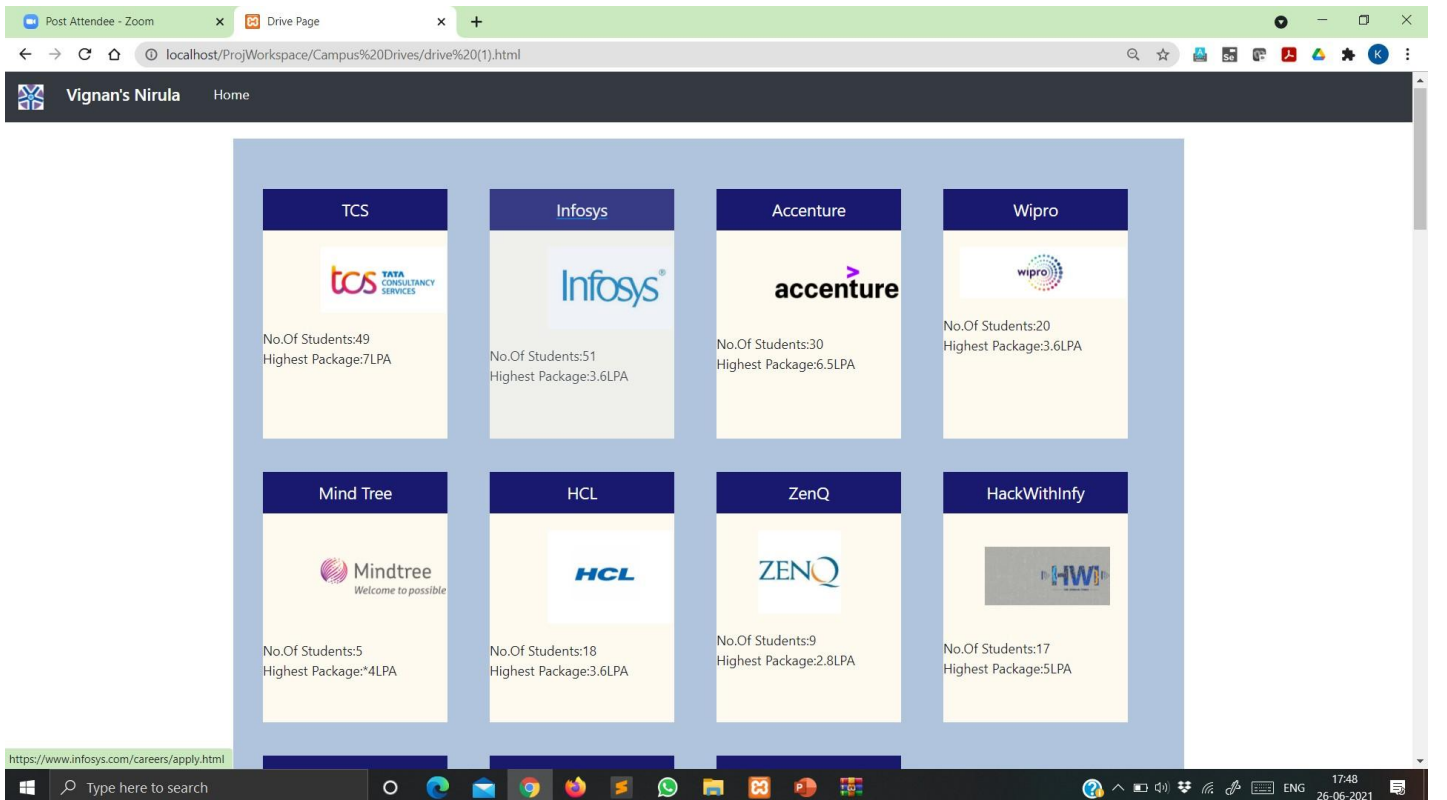
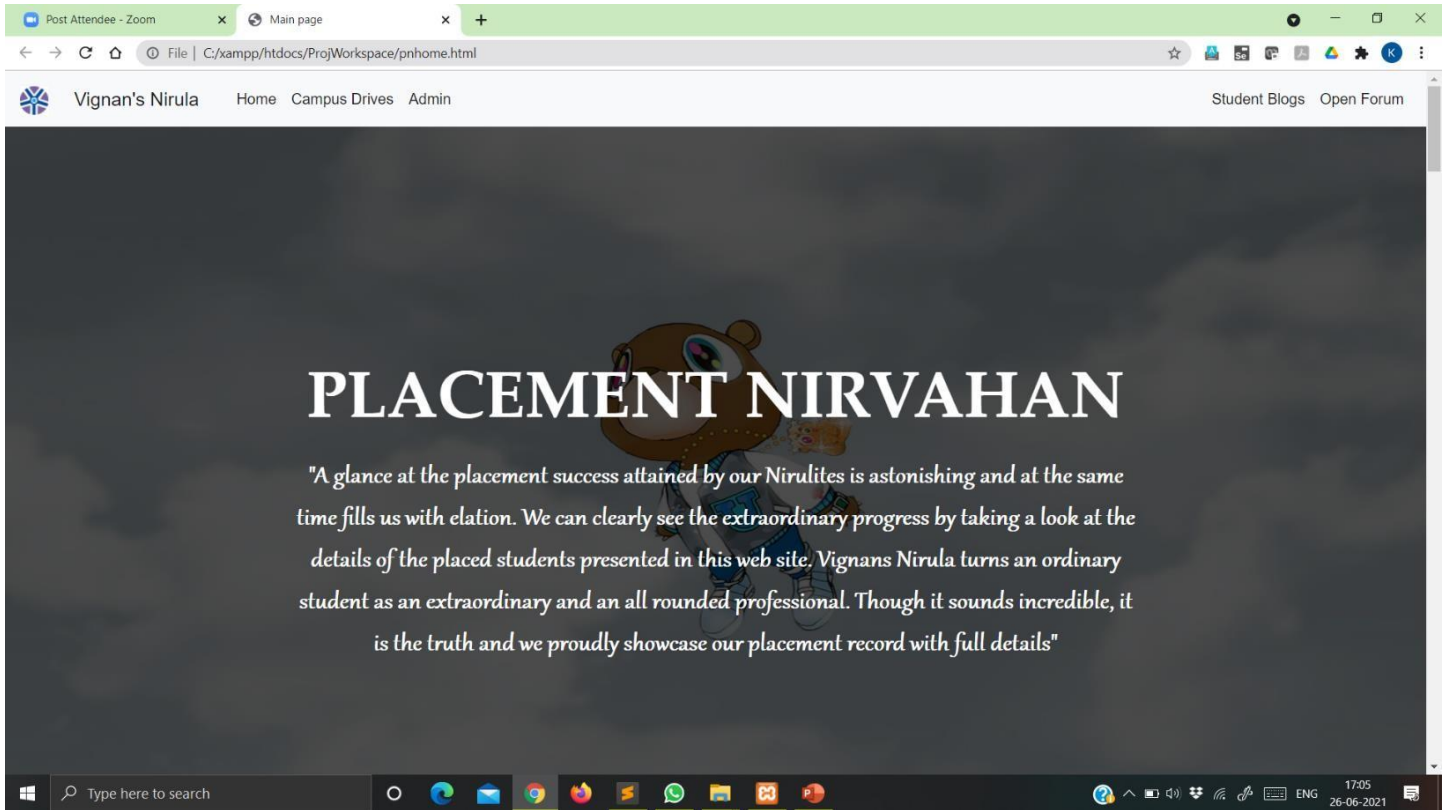
Class Diagram



Sequence Diagram



MAIN WINDOW:



SNo	RegNo	Name	Branch	Mailid	ContactNo	Company	Package	Backlogs
47	17NN1A0890	Navya Charitha	CSE	navya@omail.com	2147483647	ISRO	9749574	0
48	17NN1A05A8	Hasina	CSE	hasina@gmail.com	2147483647	IIT	893740	0
49	17NN1A05B0	SHAMMI	CSE	shammi@smail.com	2147483647	TCS	490573	0
50	17NN1A0564	Priyanka	CSE	priyanka@gmail.com	2147483647	Google	908763	0
51	17NN1A0590	Vyshali	CSE	vyshali@gmail.com	9047589635	HCL	90947836	0
52	17NN1A0761	Gayathri	CSE	gayathri@gmail.com	8976543267	TCS(Digital)	7000000	0
55	17NN1A05A3	Anila	CSE	anila@gmail.com	8937957395	IBM	9749769	0
56	17NN1A0761	Gayathri	CSE	gayathri@gmail.com	8976543267	TCS(Digital)	7000000	0
59	17NN1A0761	Gayathri	CSE	gayathri@gmail.com	8976543267	TCS(Digital)	7000000	0
63	17NN1A0583	Navya Charitha Kommuri	CSE	navyacharita19@gmail.com	9390250272	ISRO	8994794	0
64	17NN1A0761	Gayathri	CSE	gayathri@gmail.com	8976543267	TCS(Digital)	7000000	0
67	17NN1A0583	Navya Charitha Kommuri	CSE	navyacharita19@gmail.com	9390250272	Vignan Nirula Instit	456789	0
69	17NN1A0567	Susmitha	CSE	susmitha@gmail.com	7842946868	ABCD	68503750	0

Total Number of Selections is:40

Print

The screenshot shows a print dialog box in a web browser. The dialog is titled "Print" and shows "2 sheets of paper" to be printed. The destination is set to "OneNote for Windows". The pages to be printed are "All", and the number of copies is "1". The color is set to "Colour". The print dialog is overlaid on a table of student selection results, which is partially visible in the background. The table shows the same data as the first image, with a total of 40 selections. The print dialog also has a "Print" button and a "Cancel" button.

Print

V. CONCLUSION

In the existing system most of the work requires human attention and intervention and it is a error prone system. The major problem is the searching and updation of the student data and providing placement and training information reachable to every student. Also data breaching is addressed as everything is authorized and automatized.

VI. REFERENCES

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