Walchand College of Engineering, Sangli.

(An Autonomous Institute)

Department
Of
Computer Science and Engineering

B. Tech Project-II Report On

WCE Campus Interaction

Submitted by

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Prachi Waware (2019BTECS00201)
Vaishnavi Pise (2019BTECS00204)

Under the Guidance of

Prof. Dr. M.A. Shah
(HOD)

Guide
Computer Science & Engineering. Dept,
WCE, Sangli.

2021-2022

Walchand College of Engineering, Sangli
(An Autonomous Institute)

Department
Of
Computer Science and Engineering

CERTIFICATE

This is to certify that the Project Report entitled, **"WCE CAMPUS INTERACTION"** submitted by Ms. Apurva Rawal, Ms. Prachi Waware and Ms. Vaishnavi Pise, to Walchand College of Engineering**,** Sangli, India, is a record of Bonafede Project work of course *"4CS441" "Project-II and Seminar"* carried out by her under my/our supervision and guidance and is worthy of consideration for the award of the degree of Bachelor of Technology in Computer Science & Engineering of the Institute.

Prof. Dr. M. A. Shah
Guide
Computer Sci. & Engg. Dept,
WCE, Sangli.

Dr. M. A. Shah
Head Of Department
Computer Sci. & Engg. Dept,
WCE, Sangli

Acknowledgement

In the accomplishment of completion of my project on WCE campus Interaction. I would like to convey my special gratitude to Mrs. M.A. Shah, of Computer Science and Engineering department and as well as Mr. P.H. Sawant the director of Walchand College of Engineering, Sangli.

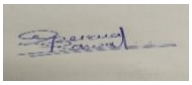
Your valuable guidance and suggestions helped me in various phases of the completion of this project. I will always be thankful to you in this regard. I am ensuring that this project was finished by me and not copied. Along with these my fellow group members who put their efforts to make this project happen are also thankful for their contribution. Through, this acknowledgement page I depicts the gratitude, respect and thankfulness of the ours towards the people who helped him in pursuing the project successfully and ensured successful completion and implementation of the project.

Declaration

I hereby declare that work presented in this project report titled **"WCE CAMPUS INTERACTION"** submitted by me in the partial fulfillment of the requirement of the award of the degree of **Bachelor of Technology (B. tech)** Submitted in the Department of **Computer Science & Engineering, Walchand College of Engineering, Sangli**, is an authentic record of my project work carried out under the guidance of (Dr. M. A. Shah).

Date:26/11/2021

(Signature)



Place: Sangli

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2018BTECS00045

(Teammates)
Ms. Prachi Waware
2019BTECS00201
Ms. Vaishnavi Pise
2019BTECS00204

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1 Project Title

WCE Campus Interaction

2 Abstract

As we know lock down hits every student in their career and had caused many problems while learning. We can have many such solutions too for some problems and on the basis of that we have come up with the solution for interview preparation for specifically of our college.

Campus Interaction System that consists of a student's benefit portal regarding placements and its preparation. The project is beneficial for college students and the college placement officer. The software system allows the students to visit the different company related study and its preparation along with the material resources. The system also consists of an interview experiences of past students and alumni connection for the better communication where various companies visiting the college has its view of interview process in that college. The admin has overall rights over the system and can moderate and delete any details not pertaining to college placement rules. The system handles student as well as company data and efficiently displays (Analytical)all this data to respective sides.

3 Introduction and Literature survey

As per suggested problem statement there are various possible ideas to provide the solutions for portal. Through which have selected the few basic requirements and tried to fulfill it. For the completion of this project first of all gone through the process of recruitment of Walchand college and tried to understand the flow.
The literature for this project may, be used is Walchand College's detailed website and manual data from college as most of the data will be collected through college placement training officer. Also, for the references have checked for other websites of different colleges.

As have gone through the process, approached to our training and placement officer professor "Mr. Dhaigude Sir" for the whole understanding. After the requirement analysis the collection of the past data and the future demand or requirements for the same on which we were going to build our portal.
The background knowledge which requires is provided by college staff and students. The technology suggestions and selections are done for the long-term use by considering the tolerance of website and hence will be easy for updating the portal.

The work contribution is given above and the time duration required is 3 months from the start of the information collection. The future extensions are available and mentioned in future scope in the report.

4 Problem statement

WCE campus interaction: As the COVID pandemic has hit all of us with health issues it has also affected the college campus process very much. Students from Engineering have to face the problems in the entire recruitment process. Proper guidance and the material for preparation is sometimes inefficient for some students. Also, the popper guidance from the past Alumni from the companies is very valuable before appearing for actual interviews. Sometimes it is very tough for some students to ask for help. At that time a centralized system providing all facilities will be beneficial for students. Our system provides the solution for the above problem with multipurpose services in the whole campus preparation process.

5 Methodology:

Proposed Method/ Algorithm:

Our system consists of full stack Web application for the desktop

- ❖ Frontend- UI for the system
- ❖ Backend- server management and load balancing
- ❖ Database- mongo DB for storing students and form's data

The Process is having following sub part:

- Login Credentials for each student and alumni
- Company wise past data
- Last 5 years interview experience by WCE alumni
- Connection with Alumni
- Placement history and data in the form of charts and pie charts.
- FAQ for students
- Practice and technical section-
    - Mock interview preparation
    - DSA preparation

6 Result and Discussion:

- The system will provide the past placement records to view in pie charts, bar graphs and download in the pdf format.
- Maximum work goes manually in the present placement system which makes it take time to avail changes. This includes main problems like searching for the data of students and sorting them along with it.
- The user can also add his or her placed company experience, interview process and preparation tips with simple UI.
- Admin can be able to add any event in the calendar by simply filling some information in the UI form and that will be displaced to user.
- Also, updating student data is a cumbersome job and does not have a method to notify the student in time which makes the management of placements very difficult. In the proposed system, all of these problems become automated.
- The proposed system is helpful for all students in technical as well as non-technical point of view. Non-CSE and IT students have a good scope to prepare for IT companies through this system and find their paths.

Results:

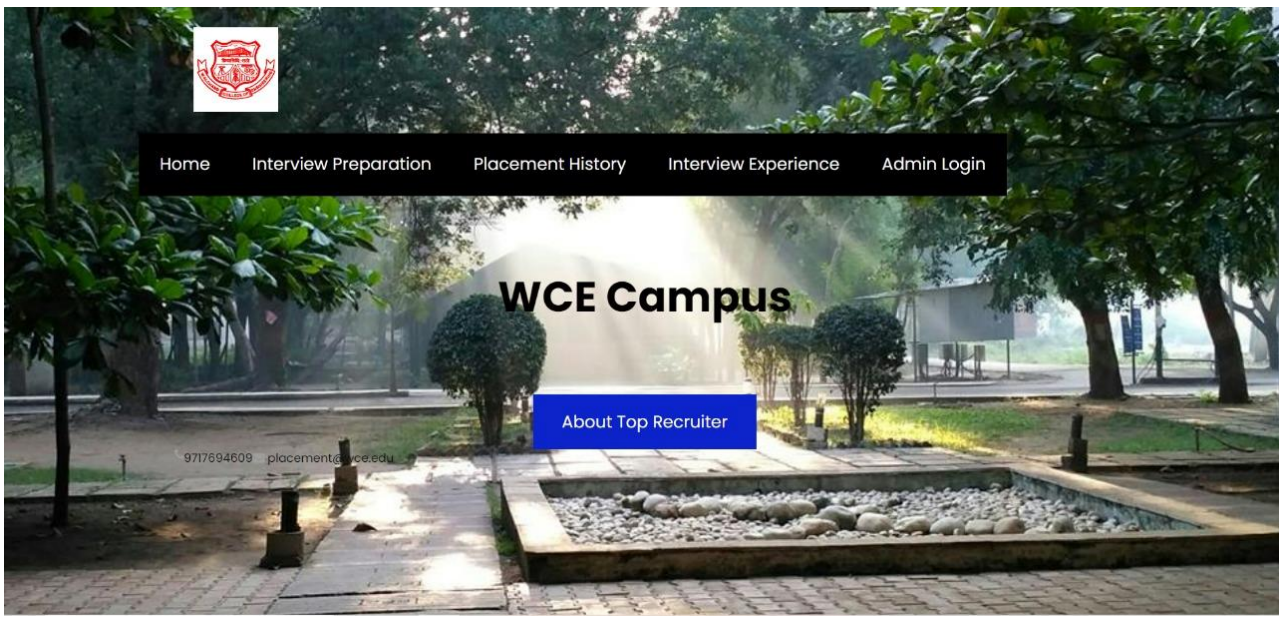
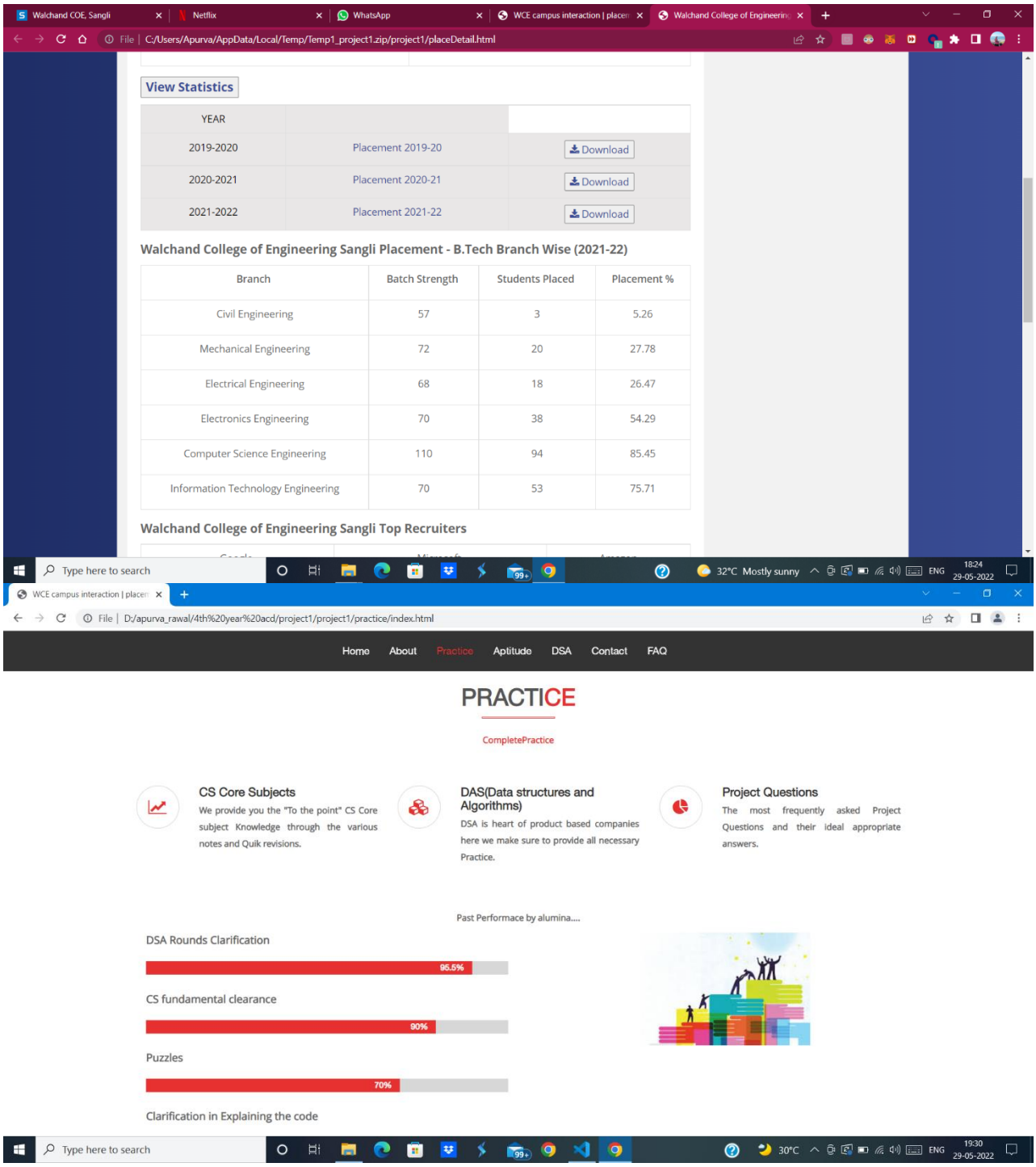


Figure 4: output


Walchand COE, Sangli
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Walchand College of Engineering
File | C:/Users/Apurva/AppData/Local/Temp/Temp1_project1.zip/project1/placeDetail.html
View Statistics
YEAR
2019-2020
Placement 2019-20
Download
2020-2021
Placement 2020-21
Download
2021-2022
Placement 2021-22
Download
Walchand College of Engineering Sangli Placement - B.Tech Branch Wise (2021-22)
Branch
Batch Strength
Students Placed
Placement %
Civil Engineering
57
3
5.26
Mechanical Engineering
72
20
27.78
Electrical Engineering
68
18
26.47
Electronics Engineering
70
38
54.29
Computer Science Engineering
110
94
85.45
Information Technology Engineering
70
53
75.71
Walchand College of Engineering Sangli Top Recruiters
Type here to search
32°C Mostly sunny
ENG
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WCE campus interaction | placem
File | D:/apurva_rawal/4th%20year%20acd/project1/project1/practice/index.html
Home
About
Practice
Aptitude
DSA
Contact
FAQ
PRACTICE
CompletePractice
CS Core Subjects
We provide you the "To the point" CS Core subject Knowledge through the various notes and Quik revisions.
DAS(Data structures and Algorithms)
DSA is heart of product based companies here we make sure to provide all necessary Practice.
Project Questions
The most frequently asked Project Questions and their ideal appropriate answers.
Past Performace by alumina....
DSA Rounds Clarification
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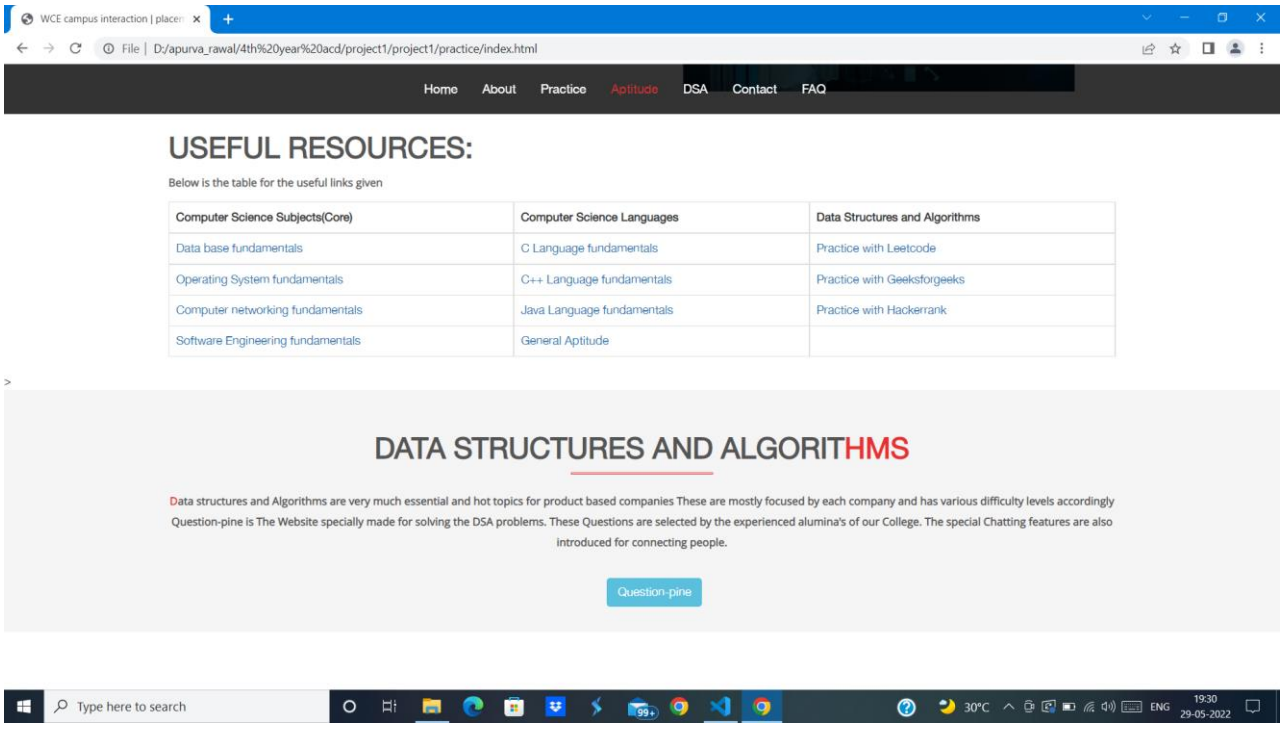
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Home
About
Practice
Aptitude
DSA
Contact
FAQ
USEFUL RESOURCES:
Below is the table for the useful links given
Computer Science Subjects(Core)
Computer Science Languages
Data Structures and Algorithms
Data base fundamentals
C Language fundamentals
Practice with Leetcode
Operating System fundamentals
C++ Language fundamentals
Practice with Geeksforgeeks
Computer networking fundamentals
Java Language fundamentals
Practice with Hackerrank
Software Engineering fundamentals
General Aptitude
DATA STRUCTURES AND ALGORITHMS
Data structures and Algorithms are very much essential and hot topics for product based companies These are mostly focused by each company and has various difficulty levels accordingly Question-pine is The Website specially made for solving the DSA problems. These Questions are selected by the experienced alumina's of our College. The special Chatting features are also introduced for connecting people.
Question-pine
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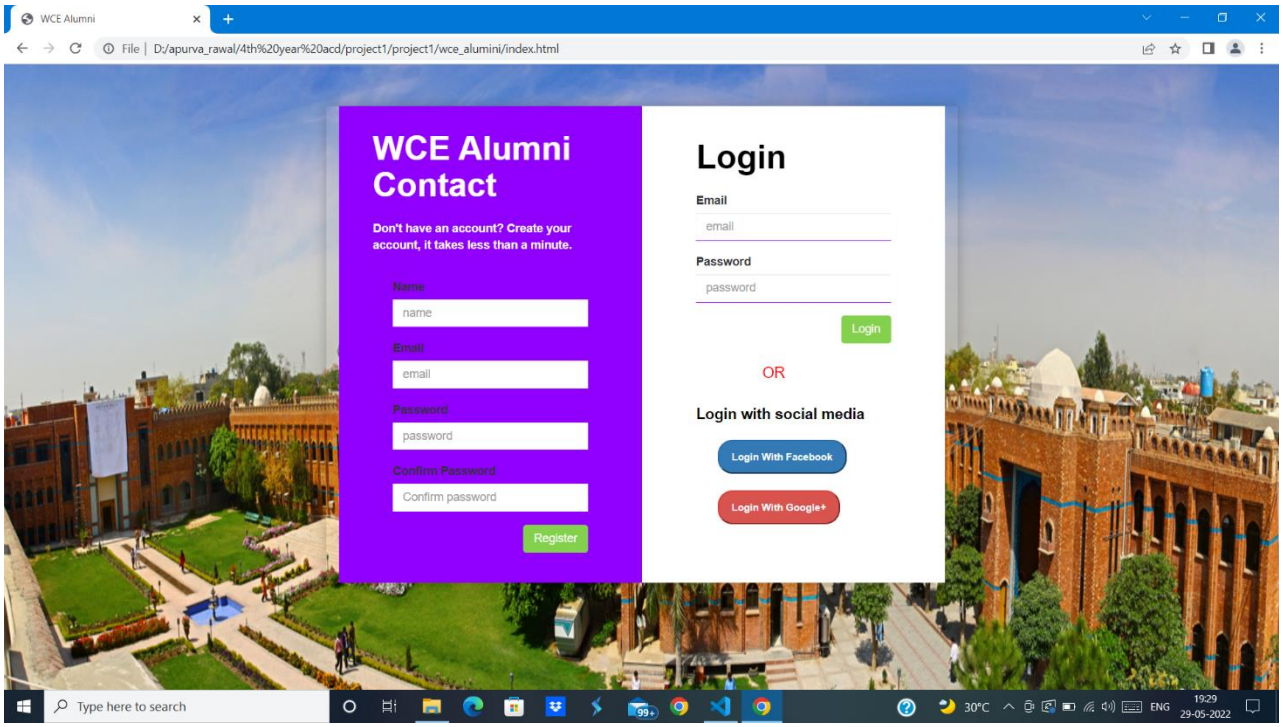
WCE Alumni
File | D:/apurva_rawal/4th%20year%20acd/project1/project1/wce_alumini/index.html
WCE Alumni Contact
Don't have an account? Create your account, it takes less than a minute.
Name
name
Email
email
Password
password
Confirm Password
Confirm password
Register
Login
Email
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Login with social media
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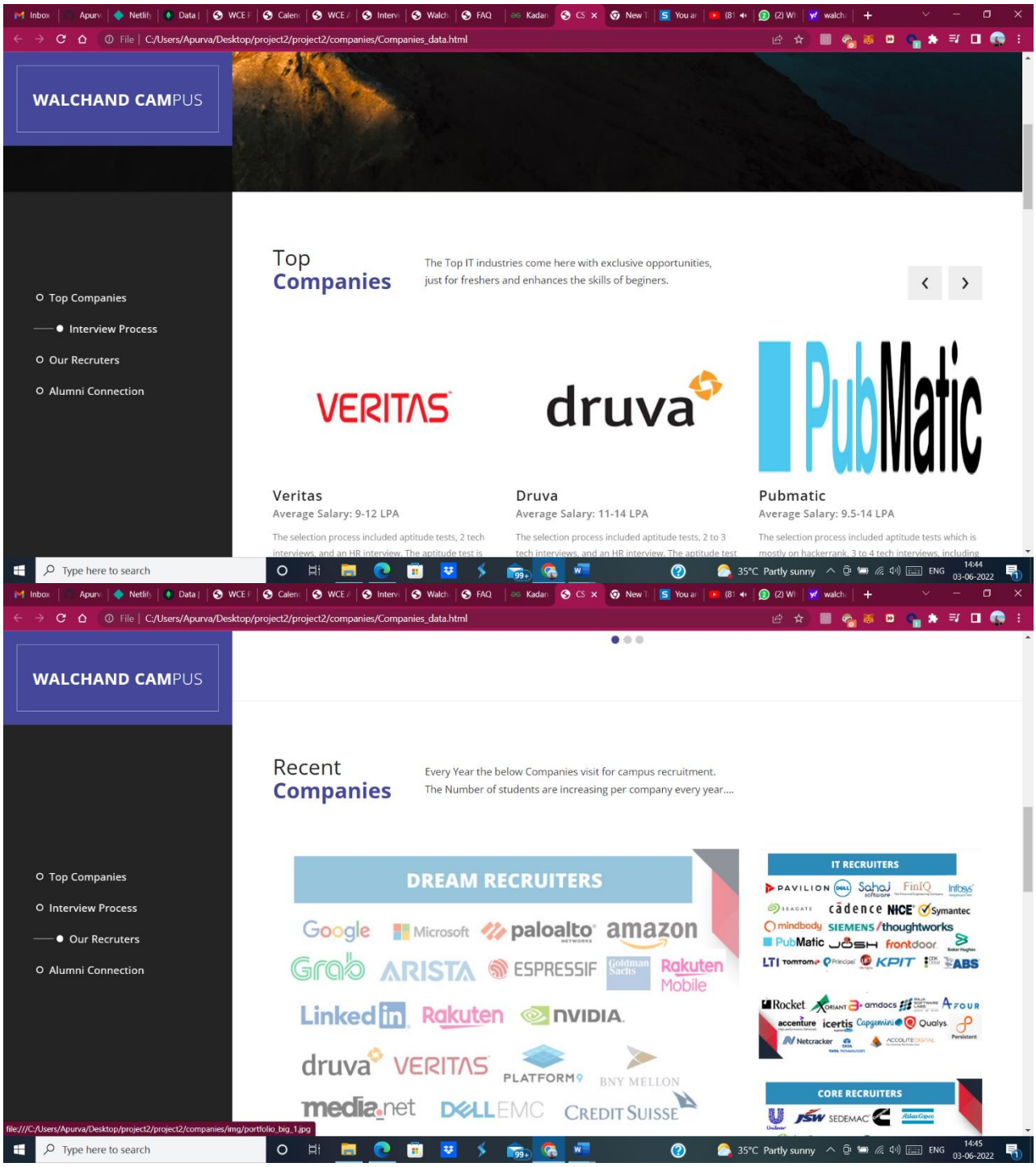
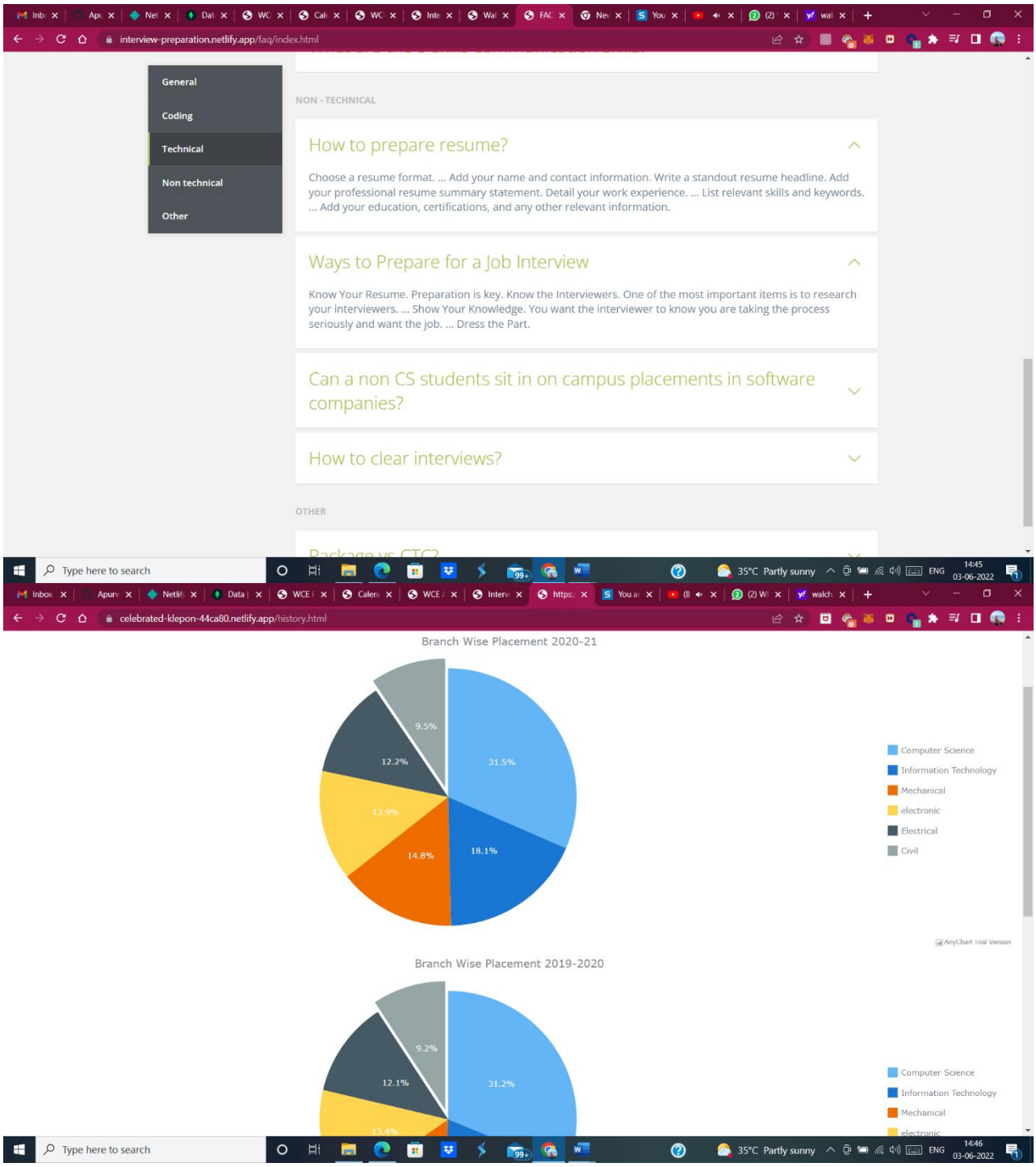

WALCHAND CAMPUS
Top Companies
Interview Process
Our Recruters
Alumni Connection
Top Companies
The Top IT industries come here with exclusive opportunities, just for freshers and enhances the skills of beginers.
Veritas
Average Salary: 9-12 LPA
Druva
Average Salary: 11-14 LPA
Pubmatic
Average Salary: 9.5-14 LPA
Recent Companies
Every Year the below Companies visit for campus recruitment.
The Number of students are increasing per company every year....
DREAM RECRUITERS
IT RECRUITERS
CORE RECRUITERS


interview-preparation.netlify.app/faq/index.html
General
Coding
Technical
Non technical
Other
NON - TECHNICAL
How to prepare resume?
Choose a resume format. ... Add your name and contact information. Write a standout resume headline. Add your professional resume summary statement. Detail your work experience. ... List relevant skills and keywords. ... Add your education, certifications, and any other relevant information.
Ways to Prepare for a Job Interview
Know Your Resume. Preparation is key. Know the Interviewers. One of the most important items is to research your interviewers. ... Show Your Knowledge. You want the interviewer to know you are taking the process seriously and want the job. ... Dress the Part.
Can a non CS students sit in on campus placements in software companies?
How to clear interviews?
OTHER
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celebrated-klepon-44ca80.netlify.app/history.html
Branch Wise Placement 2020-21
9.5%
12.2%
31.5%
13.9%
14.8%
18.1%
Computer Science
Information Technology
Mechanical
electronic
Electrical
Civil
AnyChart Trial Version
Branch Wise Placement 2019-2020
9.2%
12.1%
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Computer Science
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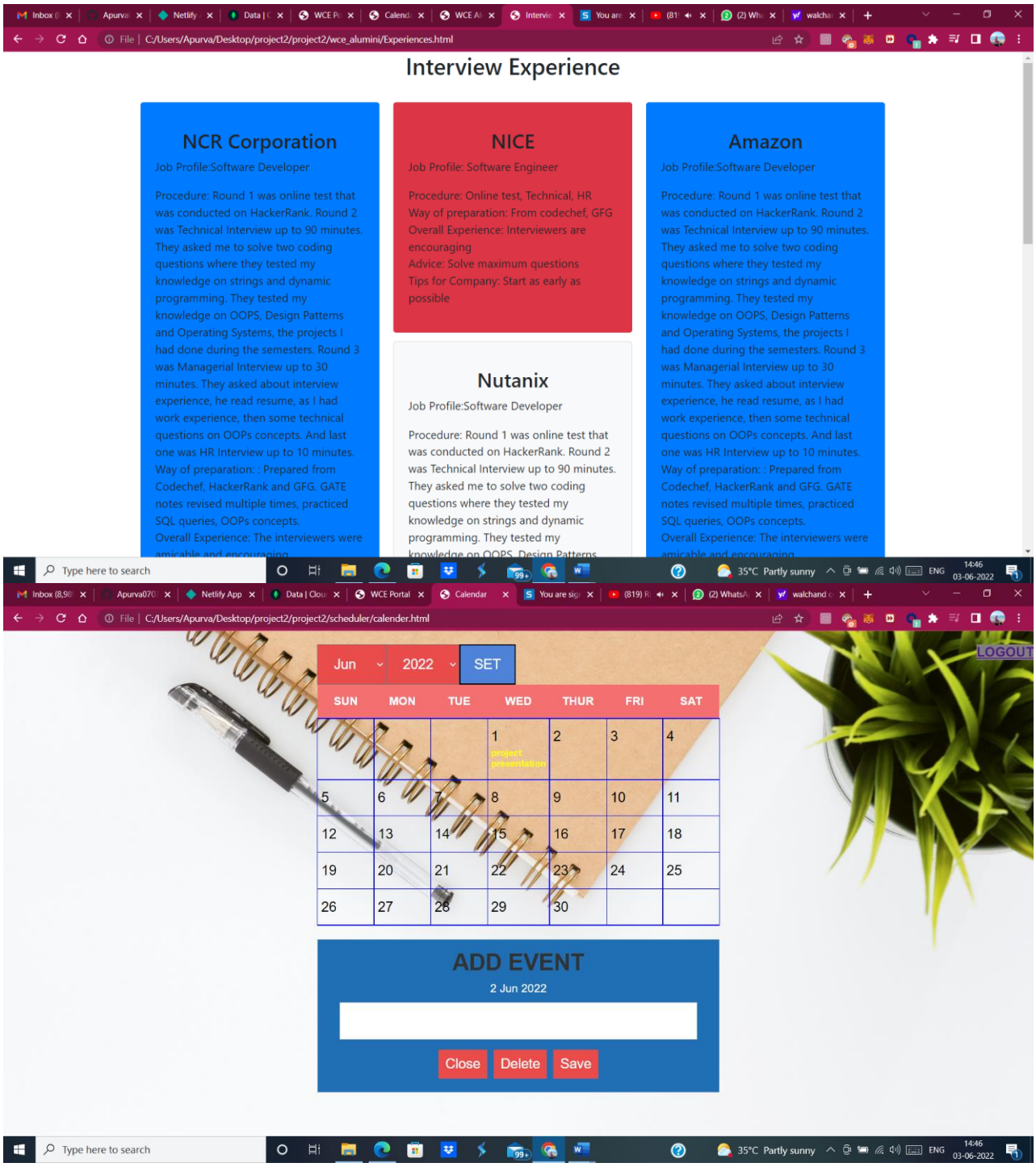
C:/Users/Apurva/Desktop/project2/project2/wce_alumini/Experiences.html
Interview Experience
NCR Corporation
Job Profile:Software Developer
Procedure: Round 1 was online test that was conducted on HackerRank. Round 2 was Technical Interview up to 90 minutes. They asked me to solve two coding questions where they tested my knowledge on strings and dynamic programming. They tested my knowledge on OOPS, Design Patterns and Operating Systems, the projects I had done during the semesters. Round 3 was Managerial Interview up to 30 minutes. They asked about interview experience, he read resume, as I had work experience, then some technical questions on OOPs concepts. And last one was HR Interview up to 10 minutes.
Way of preparation: : Prepared from Codechef, HackerRank and GFG. GATE notes revised multiple times, practiced SQL queries, OOPs concepts.
Overall Experience: The interviewers were
NICE
Job Profile: Software Engineer
Procedure: Online test, Technical, HR
Way of preparation: From codechef, GFG
Overall Experience: Interviewers are encouraging
Advice: Solve maximum questions
Tips for Company: Start as early as possible
Nutanix
Job Profile:Software Developer
Procedure: Round 1 was online test that was conducted on HackerRank. Round 2 was Technical Interview up to 90 minutes. They asked me to solve two coding questions where they tested my knowledge on strings and dynamic programming. They tested my
Amazon
Job Profile:Software Developer
Procedure: Round 1 was online test that was conducted on HackerRank. Round 2 was Technical Interview up to 90 minutes. They asked me to solve two coding questions where they tested my knowledge on strings and dynamic programming. They tested my knowledge on OOPS, Design Patterns and Operating Systems, the projects I had done during the semesters. Round 3 was Managerial Interview up to 30 minutes. They asked about interview experience, he read resume, as I had work experience, then some technical questions on OOPs concepts. And last one was HR Interview up to 10 minutes.
Way of preparation: : Prepared from Codechef, HackerRank and GFG. GATE notes revised multiple times, practiced SQL queries, OOPs concepts.
Overall Experience: The interviewers were
C:/Users/Apurva/Desktop/project2/project2/scheduler/calender.html
LOGOUT
Jun
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project presentation
ADD EVENT
2 Jun 2022
Close
Delete
Save

7 Project Artifacts (SRS, Test Cases, UML diagrams, Source code, Setup etc.) on GitHub repository (access to project guide only)

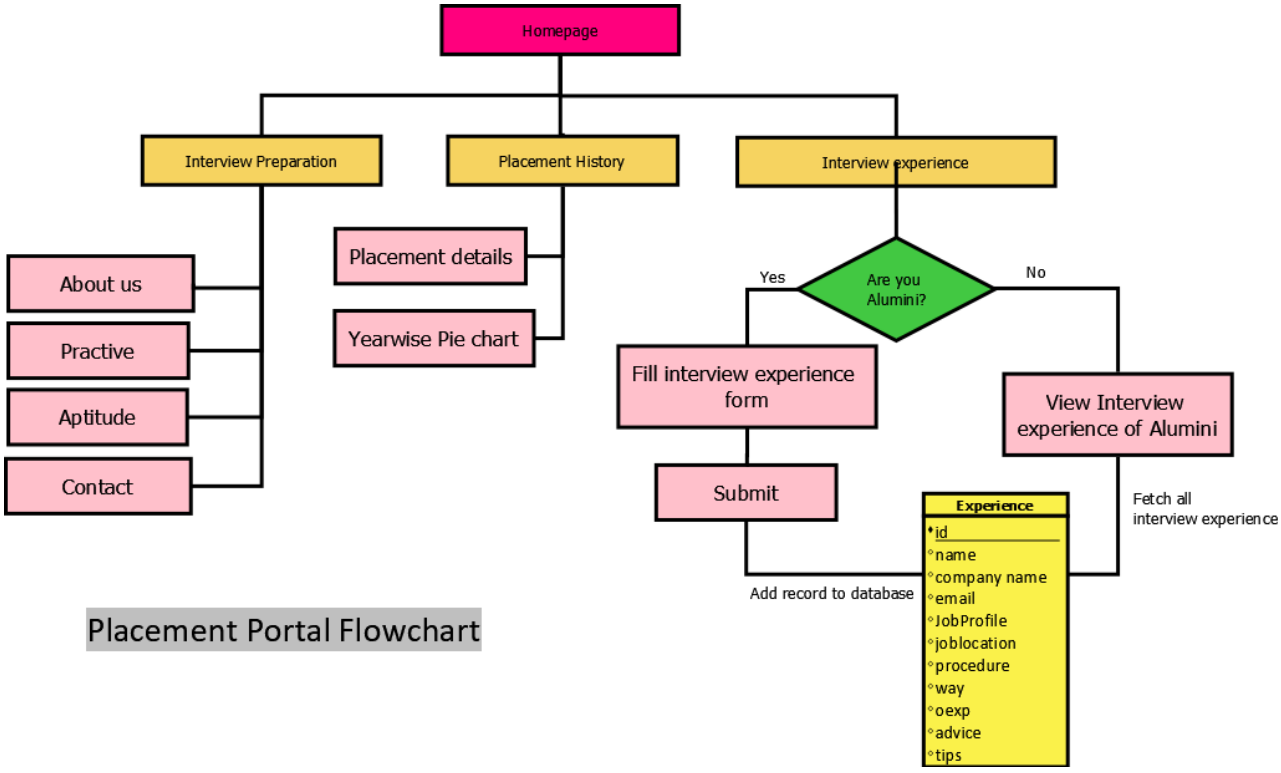

Figure 1: System Architecture (placement portal)

GitHub-Repository:https://github.com/Apurva0707/WCE-campus-interaction/

Outcomes/Applications

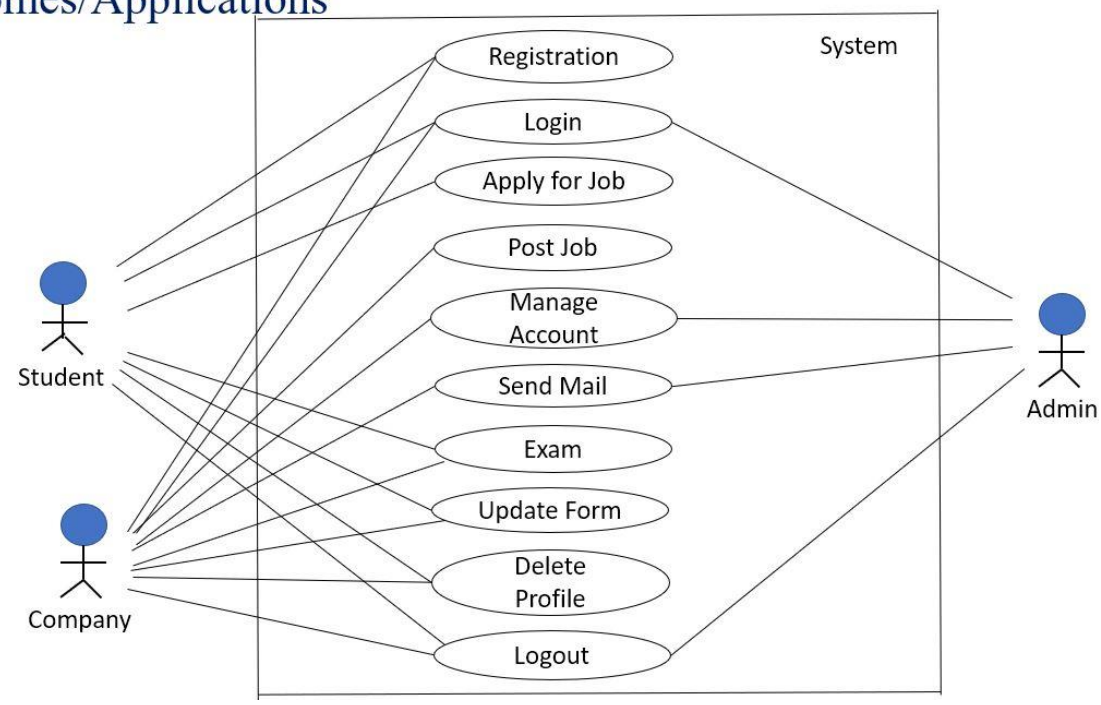

Figure 2: outcome chart

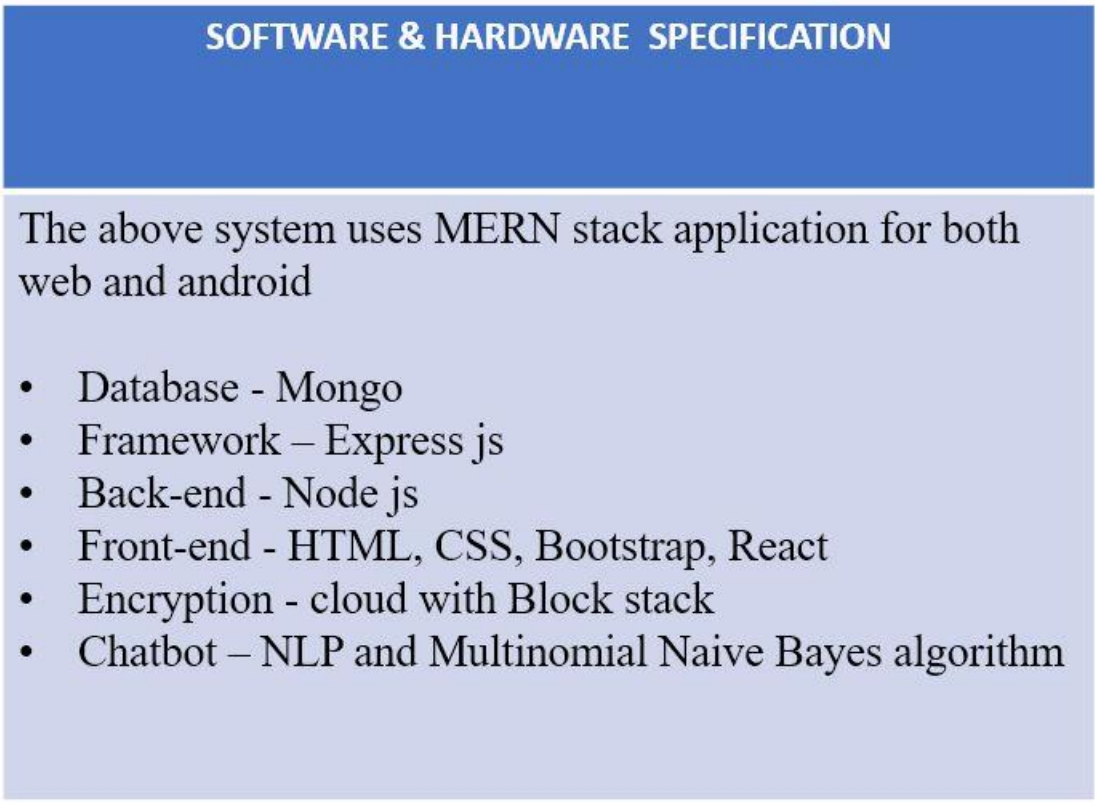

Figure 3: Technology stack

8 Customer Evaluation Report

- Campus Interaction System is totally informative and interactive learning system. This system is establishing cost-effectiveness of the proposed system for WCE students. In today's situation where all activities are done virtually, there is great need of Online facilities for students.
- Thus, the benefit of this project in the current scenario makes it economically more feasible. It has a scope for profit after the successful completion of the Project.
- The organization will be able to gain more advantages such as savings in operation cost, reduction in paperwork, better utilization of study resources.
- Our system required long term costs which included running costs for the system including update of software, stationary charge, registration charges etc.

9 Conclusions and Future Work

Conclusions:

- ❑ Manages the information of respective Company Placement of College
- ❑ Provides all the technical study material before appearing to the respective interview rounds to students.
- ❑ Provides login for admin and student.
- ❑ Get instant placement reports, analytics reports.
- ❑ It tracks all information of Placement and students for practicing questions.
- ❑ support help by Frequently asked questions.

Future Work:

- Here in the proposed system, almost whole work goes manually in the present placement system which makes it take time to avail changes. This includes main problems like searching for the data of students and sorting them along with it. Also, updating student data is a cumbersome job and does not have a method to notify the student in time which makes the management of placements very difficult. In the proposed system, all of these problems become automated.
- In the future as an extension to this project, the proposed system is helpful for all students in technical as well as non-technical point of view by adding more practice according to each branch.
- Live chatbot can be helpful for taking online interviews by either text format or by voice format.
- Notification banner or a mini calendar can be added to index page for getting updated information from college regarding campus or any activity for the same.

10 References

References

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- http://www.walchandsangli.ac.in/
- http://data.conferenceworld.in/bit.gkp/40.pdf
- https://www.plus2net.com/php_tutorial/php_calendar.php
- https://www.mongodb.com/languages/mern-stack-tutorial
- https://github.com/Pankajtanwarbanna/PlacementMNIT
- http://dspace.sfit.co.in:8004/xmlui/bitstream/handle/123456789/1904/Group%20No7%20Campus%20recruitment%20system%20pdf.pdf?sequence=1&isAllowed=y