INSTITUTEOFAERONAUTICALENGINEERING
(Autonomous)

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BuildIT–Competitive Coding Platform

BuildIT is an innovative platform designed specifically for the students of Institute of Aeronautical Engineering. This platform is built by a team of student developers who have passion for coding and programming. It is an open platform where students can improve their coding skills in some of the most popular programming languages like C++, C, Java, and Python. This platform offers an array of opportunities for students to challenge their coding abilities and enhance their skills.

With BuildIT, students can participate in coding contests and compete with their peers. This helps students to gauge their abilities and understand their strengths and weaknesses. This platform helps students to focus on improving the areas where they lag behind and become better coders.

BuildIT is not only a platform for students to improve their coding skills but also an opportunity for them to crack top company examinations. With the right amount of practice, students can prepare themselves for these exams and increase their chances of securing their dream jobs.

Features provided on this platform-

BuildIT Lab

- BuildIT Lab provides a platform for coding contests
- Both active and inactive contests are displayed
- Students can participate in active contests and solve coding questions
- Upon completion of the contest, students can check their score
- Leaderboard displays scores of students participating in the contest

Tutorials
- Tutorial feature provides a practice environment for students
- Offers topic-wise, language-wise, and company-wise questions
- Over 1000 questions available for students to solve
- Questions are designed to help students improve their problem-solving skills

Resume Builder
- Resume Builder is exclusively for students of IARE
- Simple and easy-to-use UI
- Allows students to create and update their resumes anytime, anywhere
- Currently offers over 5 ATS tested resume themes
- Available for both students and faculty to use

Qualifier Tests

- Qualifier Tests designed to help students crack company-specific online assessments
- Provides a similar interface and structure to most companies
- Combination of coding questions and multiple-choice questions (MCQs)
- Helps students improve coding skills and knowledge of computer science subjects

Pragnya

- Pragnya is a sub-platform within BuildIT
- Focuses on other aspects of cracking interviews
- Includes modules on email writing, database management system concepts and SQL queries, and miscellaneous multiple-choice questions session

POTD(Problem of the day)

- Problem of the Day is an initiative to increase coding frequency among students
- Everyday Problem of the Day Contest is available on BuildIT
- Students can solve problems and maintain their streak on the platform
- POTD report feature tracks student's progress
- Leaderboard is maintained to show the top performing students

SkillUp365

- SkillUp365 is a Dynamic Leaderboard for tracking students' coding progress
- It retrieves rating and problem information from multiple coding websites like CodeChef, CodeForces, LeetCode, GeeksForGeeks, Hackerrank, and BuildIT
- It has multiple APIs for data retrieval
- The top 3 students are celebrated by displaying their names and pictures

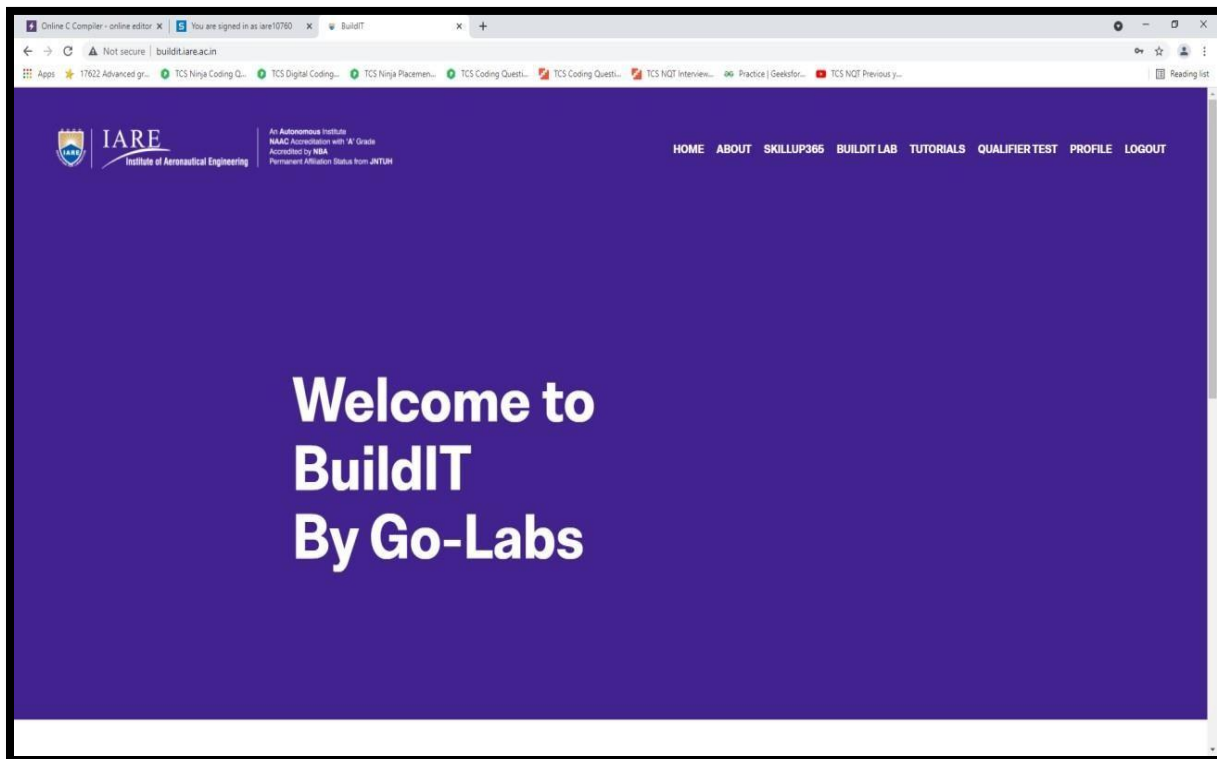**BuildITHomePage:** As shown in the figure 1, Homepage gives access to the BuildIT platform.

Figure1-BuildIT Homepage

BuildITLoginPage: It provides access to the coding platform.Students can login with their respective ID's and Password as depicted in the figure 2.
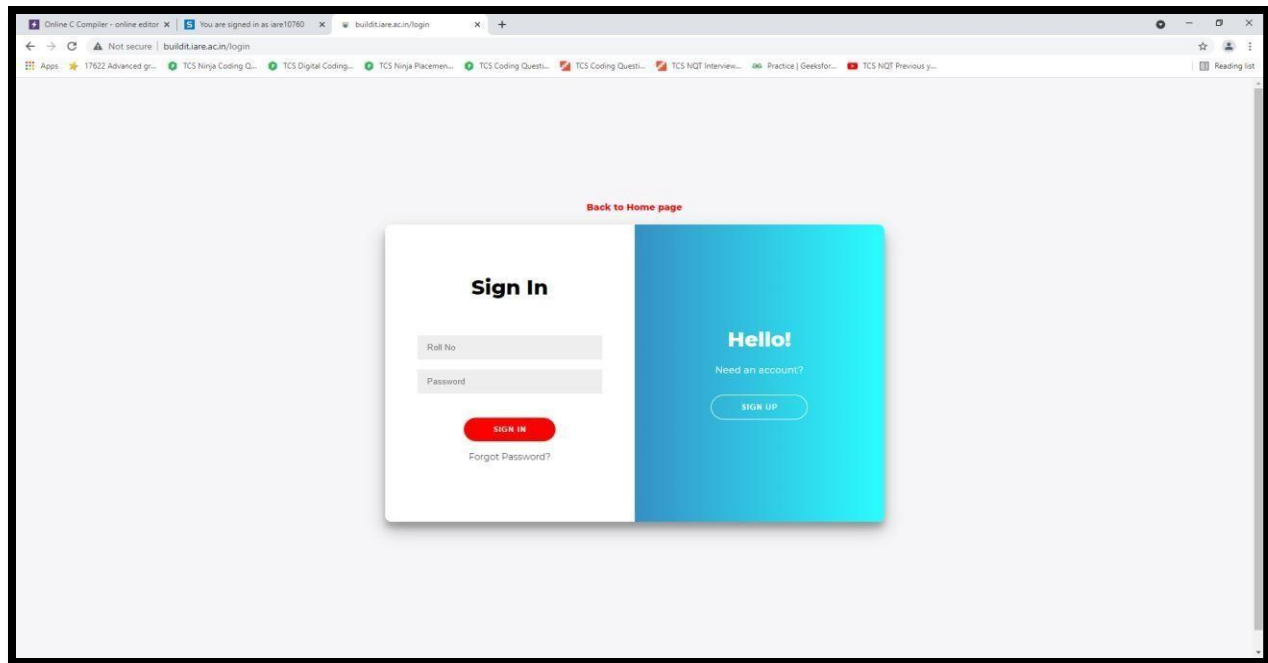

Figure 2-BuildIT Login Page

Proficiency Courses Offered through BuildIT: The BuildIT platform offers a wide range of competency training through proficiency courses as seen in figure 3.

Figure 3-BuildIT tutorials

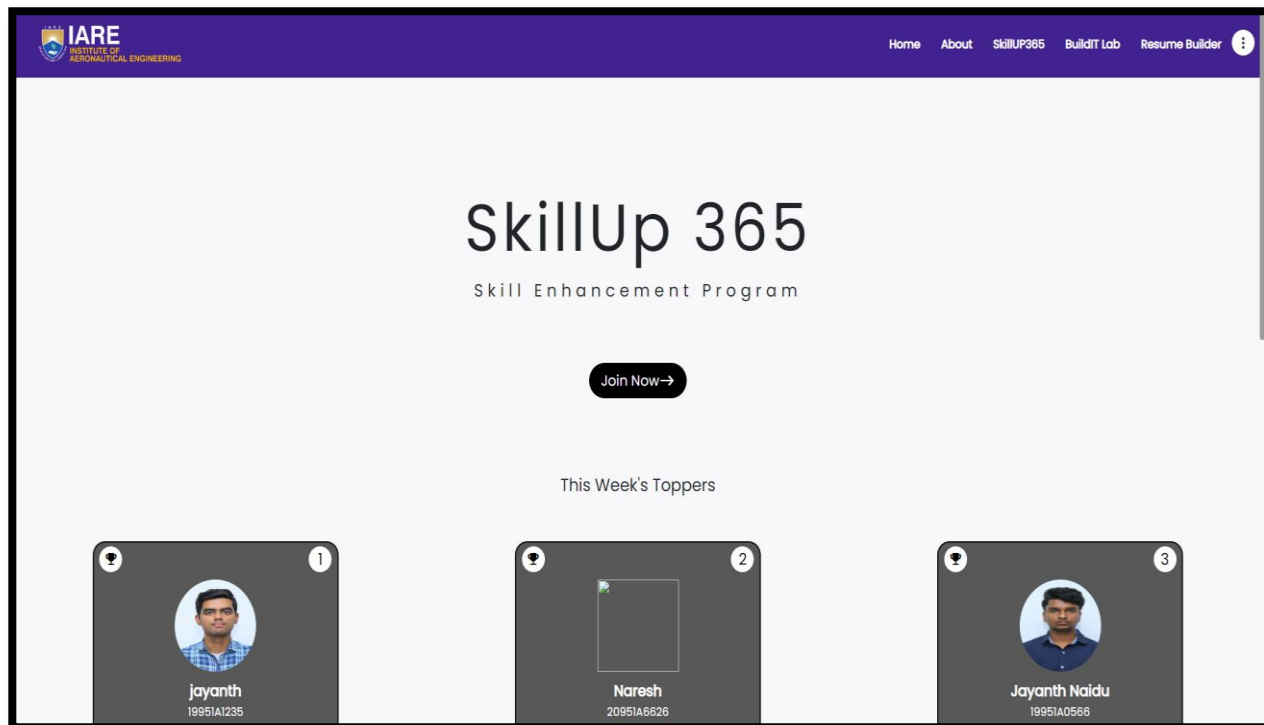**Homepage for SkillUp365 :** It enhances and displays students' progress as mentioned in the figure 4.

Figure 4: Homepage for SkillUp365

POTD report: As in figure 5, it displays the roll number of the student with the number of problems solved
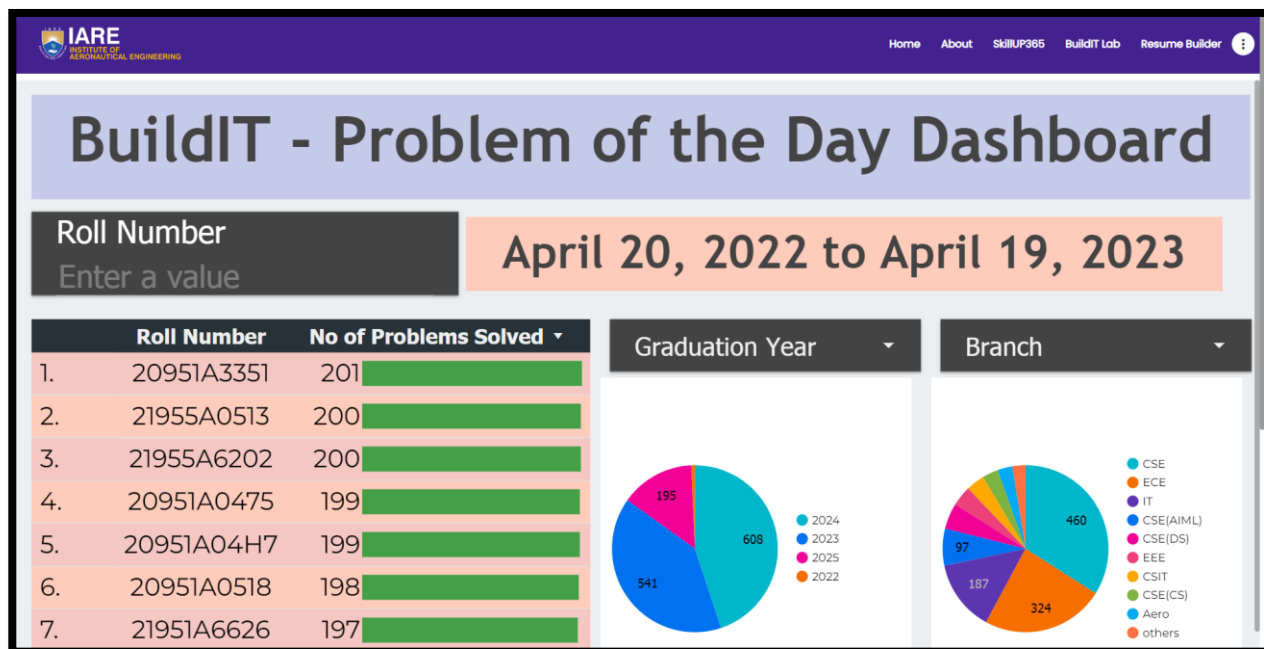
Figure 5:POTD report

SkillUp365 leaderboard page: Students progress is displayed in a table as depicted in the figure 6.

Figure 6:SkillUp365 leaderboard page

BuildIT Lab homepage: Active and inactive pages are displayed through this page as shown in figure 7

Figure 7:BuildIT Lab homepage

Resume Builder Homepage: It avails the option of building the resume for both the faculty and the students as shown in the figure 8

Figure 8: Resume Builder Homepage

Faculty Resume Page: Faculty too have the facility to build and update their resume time to time as shown in the figure 9
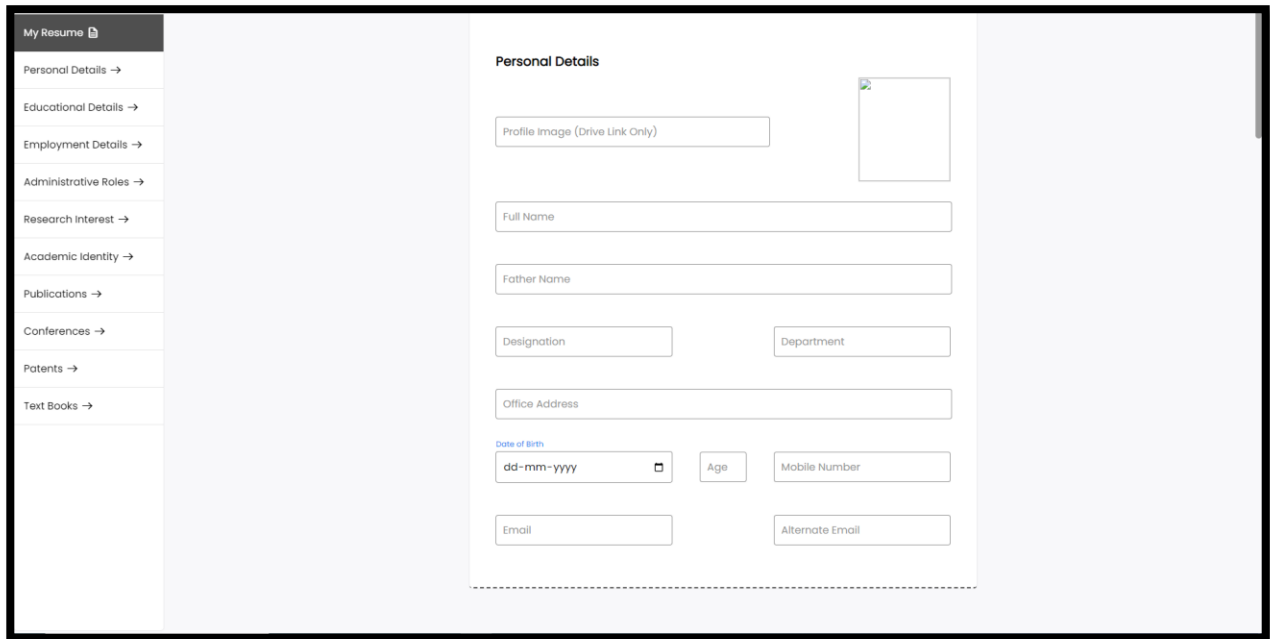

Figure9: Faculty Resume Page

StudentResumePage: As depicted in the figure 10, it helps students in creating their own resume to serve the needs of the placements.
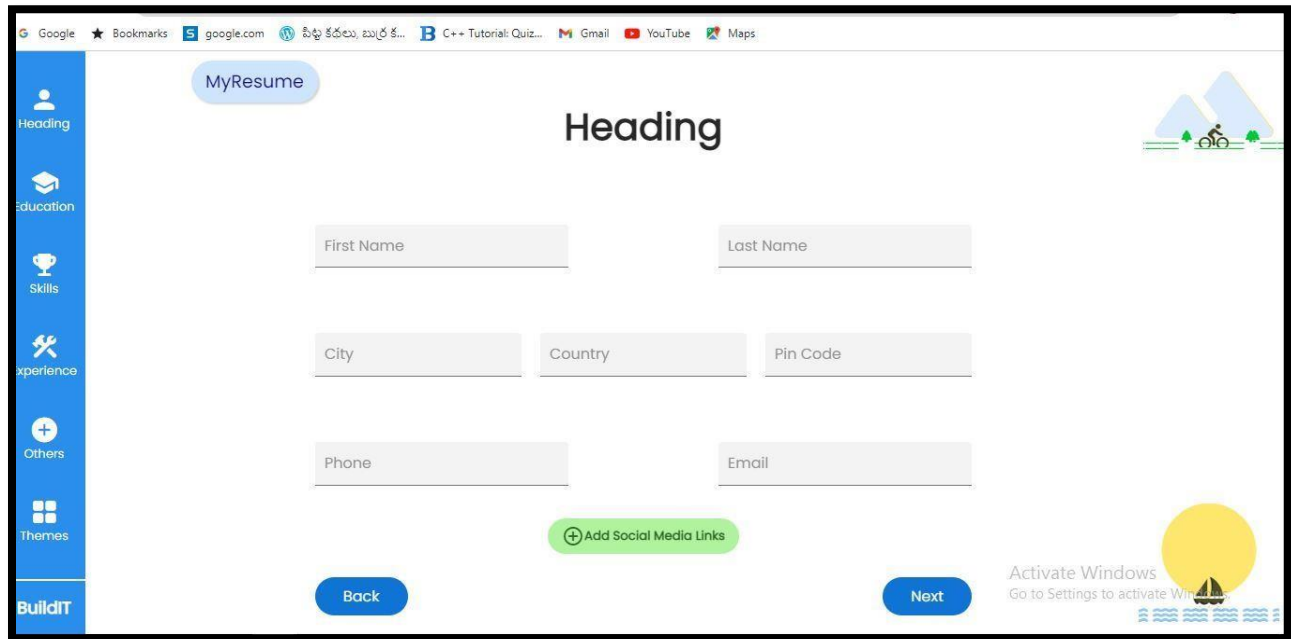

Figure 10–Student Resume Page

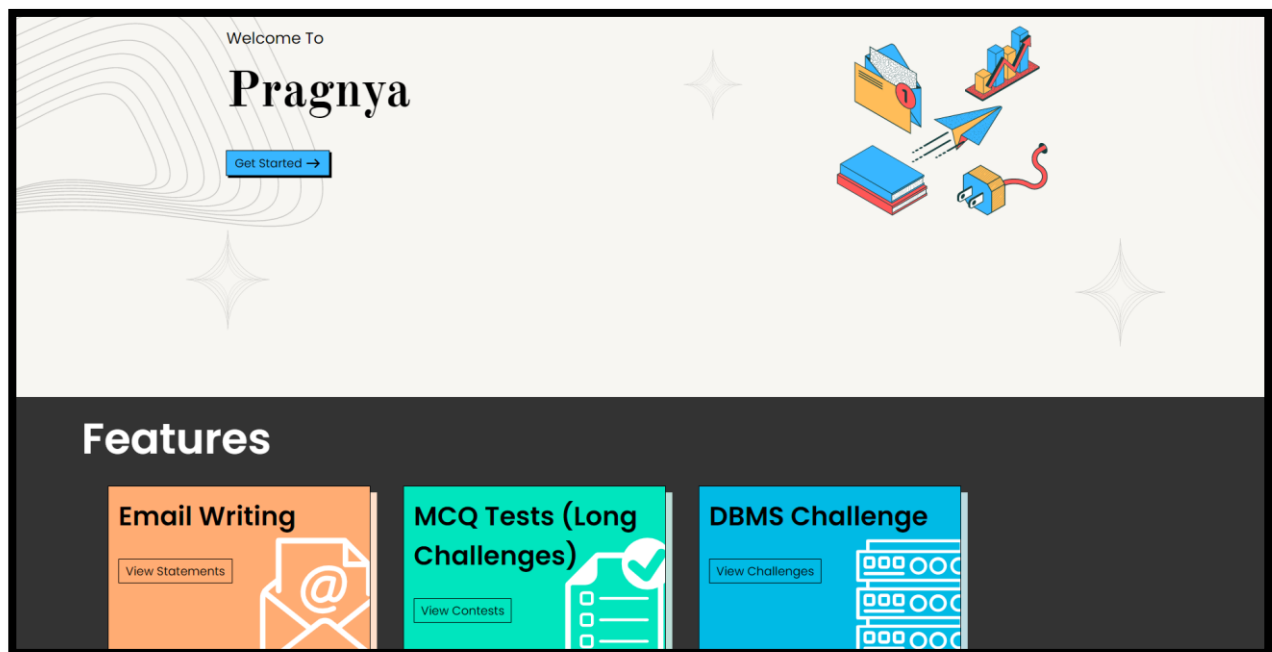**Pragnya homepage:** Pragnya is a sub-platform within BuildIT which have features like Email Writing, MCQ Tests, DBMS Challenge as shown in the figure 11

Figure 11:Pragnya homepage