

#### Dundigal,Hyderabad-500043,Telangana

## **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

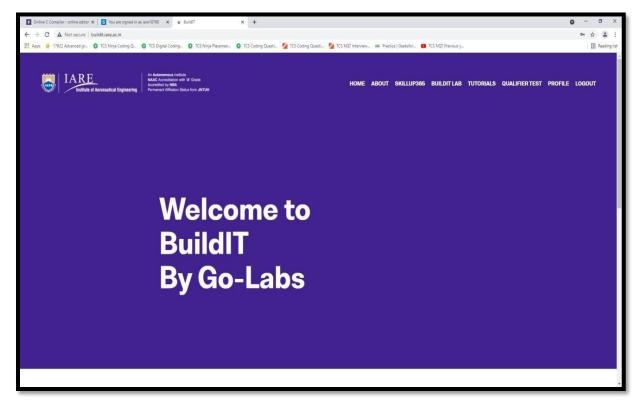
# **POTD**(**Problem of the day**)

- 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.



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

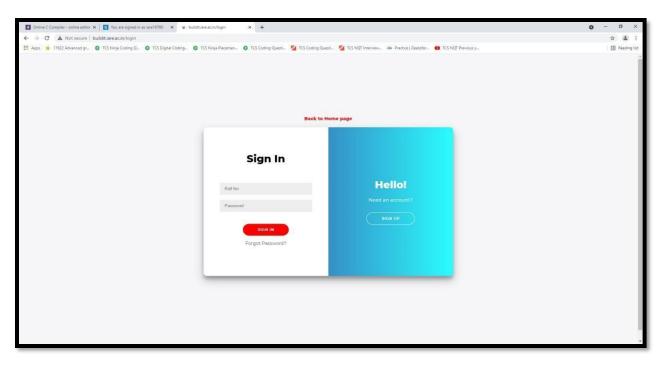


Figure 2-BuildIT Login Page

**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.

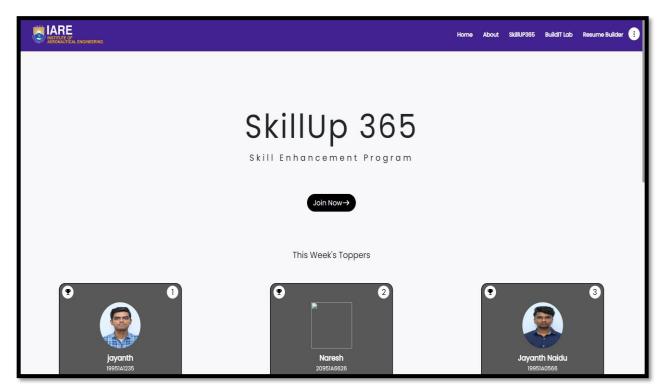


Figure 4: Homepage for SkillUp365

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

	Home About SkillUP385 BuildIT Lab Resume Builder								
BuildIT - Problem of the Day Dashboard									
	ll Number ter a value		April 20, 2022 to April 19, 2023						
1.	<b>Roll Number</b> 20951A3351	No of Problem	ns Solved 🔹	Graduation `	Year –	Branch	·		
2. 3.	21955A0513 21955A6202	200 200					• CSE		
4. 5.	20951A0475 20951A04H7	199 199		195 608	2024 2023	97 460	<ul> <li>ECE</li> <li>IT</li> <li>CSE(AIML)</li> <li>CSE(DS)</li> </ul>		
6. 7.	20951A0518 21951A6626	198 197		541	• 2025 • 2022	187	EEE     CSIT     CSE(CS)     Aero     others		

**Figure 5:POTD report** 

		entries										
		Rank	Roll Number	HackerRank	CodeChef	Codeforces	InterviewBit	SPOJ	GFG	LeetCode	BuildIT	Score
		1	19951A1235	3152.26	3850	1290	31892	210	255	8280	1420	50349
		2	20951A6626	983	3360	0	27238	0	129	725	1420	33726
		3	19951A0566	1676	2930	2840	10257	140	191	5255	330	23428
		4	19951A05A1	1489.5800000000002	2940	900	13810	150	143	2845	780	23058
		5	19951A0545	6145.7	2750	850	10286	310	334	265	1460	22401
		6	19951A0535	6085.2	2510	1030	9608	310	262	425	510	20478.2
		7	19951A0427	1137	2990	350	9893	0	211	2865	1140	18375
		8	19951A12B5	2522.02999999999997	5890	1290	NA	260	224	2380	2190	14755
		9	19951A1240	1741	3490	470	5461	240	354	2000	230	13632
		10	19951A05K5	481	2380	1550	3984	100	1110	2780	920	12195
		Rank	Roll Number	HackerRank	CodeChef	Codeforces	InterviewBit	SPOJ	GFG	LeetCode	BuildIT	Score
		Showing	g 1 to 10 of 508 e	ntries		Previous 1	2 3 4	5	51 Ne	oxt		
						Print Certific	ate					
uild-IT	IARE		Feedback									

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

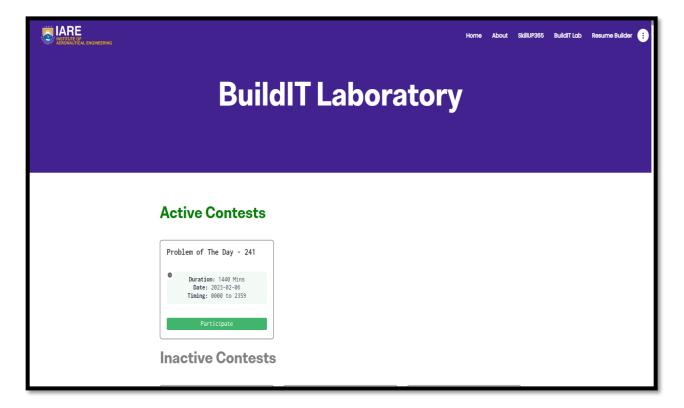
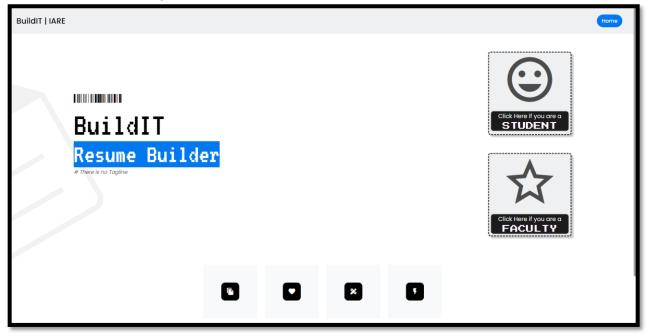


Figure 7:BuildIT Lab homepage

**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

My Resume 🔒		
Personal Details $ ightarrow$	Personal Details	
Educational Details $\rightarrow$		
Employment Details $\rightarrow$	Profile Image (Drive Link Only)	
Administrative Roles $\rightarrow$		
Research interest $\rightarrow$	Full Name	
Academic Identity $\rightarrow$		
Publications →	Father Name	
Conferences →	Designation	Department
Patents $\rightarrow$		
Text Books $ ightarrow$	Office Address	
	Date of Birth	
	dd-mm-yyyy 🗖 Age	Mobile Number
	Email	Alternate Email

**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.

G Google	★ Bookmarks 🧧 google.com 🔞 పి	ట్ట కథలు, బుర్ర క	B C++ Tutorial: Quiz	M Gmail 😰 YouTube 🕅	Maps		
e Heading	MyResume			Heading			<b>*</b> 50_*_
Siducation							
<b>P</b> Skills		First Name			Last N	lame	
K xperience		City		Country		Pin Code	
+ Others		Phone			Email		
Themes				Add Social Media Links	s		Activate Windows
BuildIT		Back	6			Next	Go to Settings to activate Wir

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

Welcome To Pragnys	a		
Features			
Email Writing View Statements	MCQ Tests (Long Challenges)	DBMS Challenge	

Figure 11:Pragnya homepage