

# Build From Home 2.0

SWC IITG



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# Overview & Purpose

Following the first phase of Build from home 2.0, which involved various workshops and training. Below are the projects which are being released as a part of the build from home 2.0.



# TECH STACKS

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SWC IITG

## NODEJS

SWC Courses, HAB 2.0, Welfare Board, Sports Board, Discord Bot

## DJANGO + DRF

Cultural Board, Campus OLX, Printing Portal, Event Scheduler, Gymkhana Website, SAIL

## REACTJS

SWC Courses, Campus OLX, Event Scheduler, Gymkhana Website

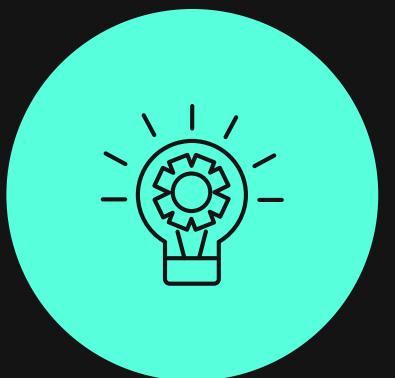
## FLUTTER

Event Scheduler

## JAVA (ANDROID)

Campus OLX

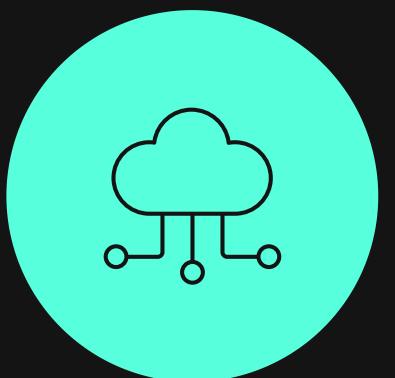
# Skills you will learn



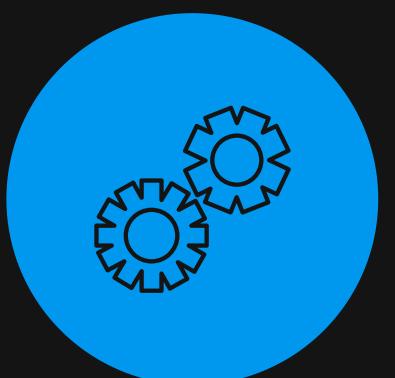
REST Framework



FrontEnd Development



Backend Development



App Development

# Project List

A COMPREHENSIVE LIST OF ALL THE  
PROJECTS

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# SWC Courses



SWC Courses is a course videos streaming platform where professors and their TA's will add courses with subtopics and videos. Students can enroll in their courses with an enrollment key unique to every course. The website will also have a discussion forum, lecture release scheduling (videos can be uploaded before and released later), and video stats feature ( like no views, downloads, etc.). The videos will also be streamable in many resolutions. We will also create an admin panel page, separate from the user website, where professors and TA's will be managing(adding, editing, deleting) their courses. The website will be dynamic, with most of the data being added from the admin page. We will be using the MERN stack in this project. It's one of the most important projects in SWC, and you guys will be able to learn a lot.

Tech stack: NodeJS+ReactJS

Number of Team members: 4(Backend)+4(FrontEnd)



# HAB 2.0

Addition of new features in the HAB website, mainly microsites of the hostels containing all the hostel details, including notices, announcements, etc.  
[\(https://www.iitg.ac.in/hab/\)](https://www.iitg.ac.in/hab/).

Tech Stack:

Frontend: HTML, CSS, JS.

Backend: MongoDB, Nodejs, Express

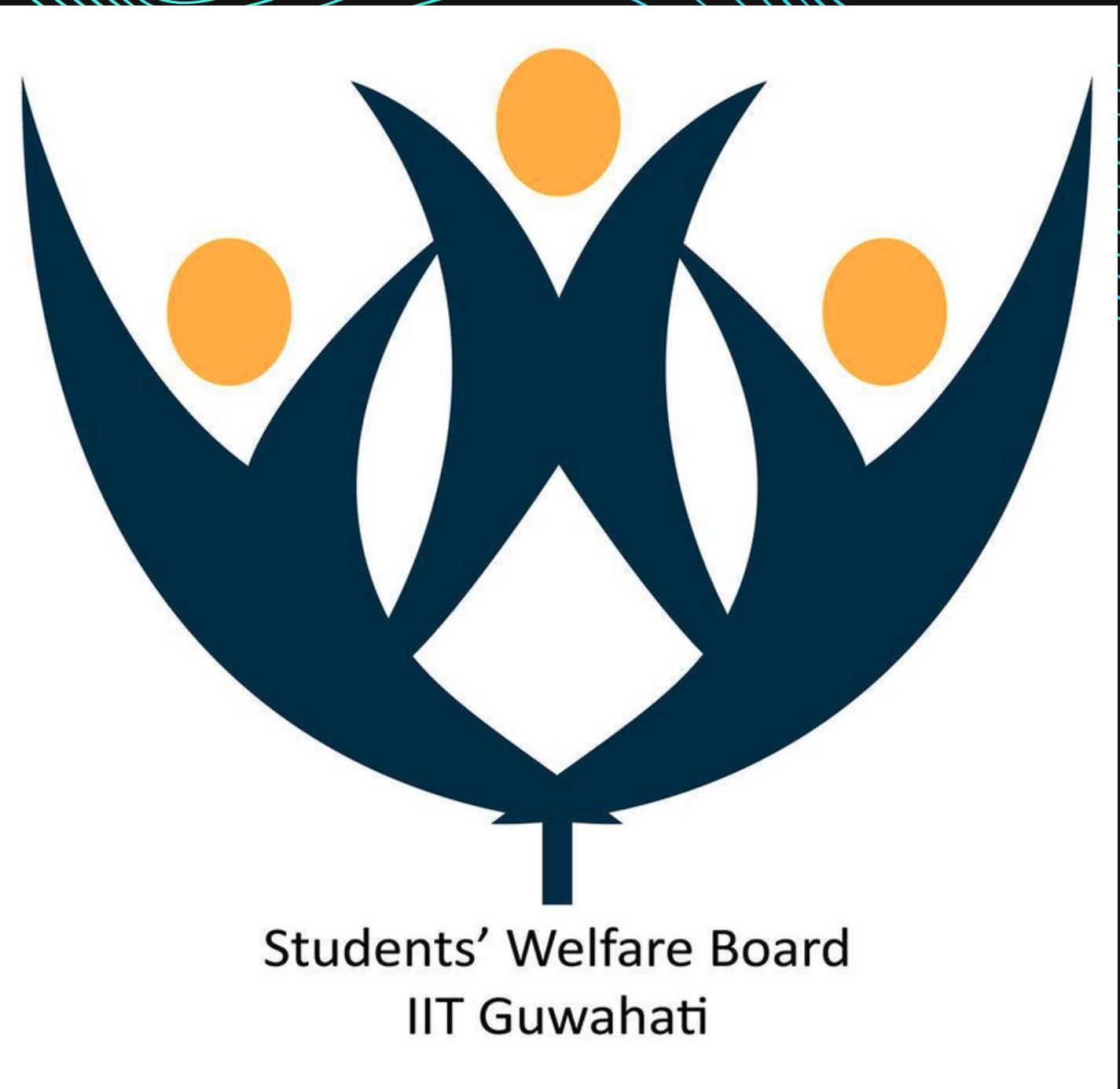
Number of team Members: 5

# Welfare Board

In this project, we will create the student's welfare board's website, developing both front-end and back-end, which will have CMS. and microsites for clubs that come under the welfare board.

Tech Stack: NodeJS, MongoDB, HTML, CSS

Number of team Members: 8



Students' Welfare Board  
IIT Guwahati

# Sports Board

In this project, we will create the sports board website and microsites for clubs under the sports board. It will have an admin panel that will control all the content on the website.

Tech Stack: NodeJS, MongoDB, HTML, CSS  
Number of team Members: 6



# Cultural Board

In this project, we will Build the Cultural Board website from scratch using Django backend, and it will also have microsites for the clubs under the cultural Board. It will have an admin panel to control the content on the website.

Tech Stack: Django ,Html ,Css,Bootstrap  
Number of Team Members: 6



**Cultural Board, IIT Guwahati**

# CAMPUS OLX



Campus OLX is a webD cum appD project through which, as the name suggests, the campus junta can buy, sell or rent various products such as utility objects and OTT subscriptions, etc. The backend will be created using Django Rest Framework with frontend in ReactJS and Android.

Tech Stack:

Frontend: ReactJS, Java(Android)

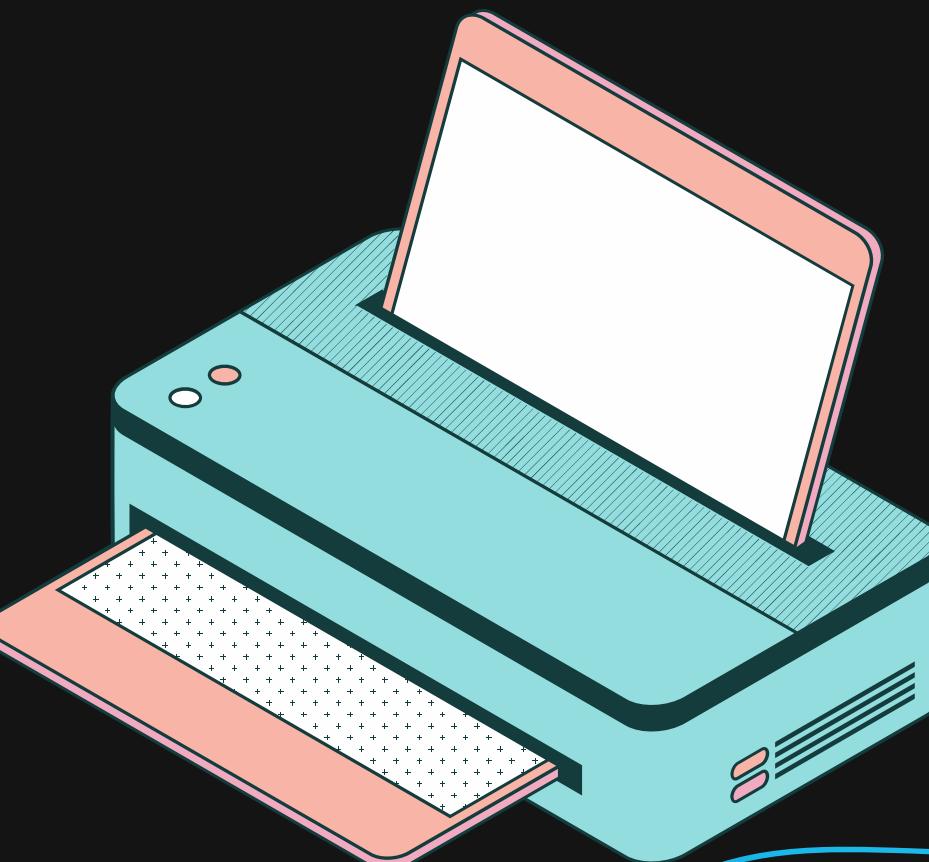
Backend: DRF

Number of team Members: 6 for backend + 4 for react + 7 for Android

# PRINTING PORTAL

It is a web development project. The aim is to build a portal where users (students of IITG) can log in and upload their documents needed to be printed as pdf or word files. The portal will merge all the pdfs and then send it to the person (or vendor) who will print with the name and roll no of the user. The person will print and send a message to the user that his/her documents are ready and he can collect them. Features such as no. of copies, black and white or colored print, single side double side will be implemented. The portal will also have the option of online payment via Razorpay etc.

Tech stack: Django ,Html ,Css,Bootstrap  
Number of Team members: 6



# EVENT SCHEDULER



It is a website cum flutter app that will enable a particular user to schedule events and send reminder emails via outlook. This portal intends to solve the problem of getting reminders via Outlook at SUITABLE TIME(S) to SUITABLE AUDIENCE depending upon the events to be reminded about. Initially, we shall aim to set reminders for the Academic, Club-related, and Organization Related Activities. Later, as a scope of improvement, we may consider thinking upon the feasibility of Seasonal and Other Activities (during the process of Scaling Up). A dashboard on every user's screen will display upcoming events. Users can set custom event reminders, or for organizational events, an organization head or in-charge will set up weekly, fortnight, or monthly reminders, as per the event need and specification.

Tech Stack:

FrontEnd: React + Flutter

BackEnd: DRF

Number of team Members: 5 for React + 5 for Backend + 5 for flutter

# DISCORD BOT

A discord bot for maintaining and moderating the SWC discord server.

Tech Stack: Node.js (Discord.js)

Number of Team Members: 3



# GYMKHANA WEBSITE

Complete rebuild and redesign of the current gymkhana website with an admin panel to control the content on the website.

Tech Stack: Django/HTML or DRF/React, CSS

Number of Team Members: 5



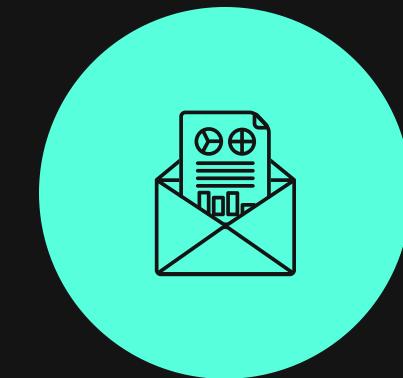
# SAIL Website

We will be rebuilding and redesigning the SAIL Website with an admin panel to control the content on the website.

Tech stack: Django ,Html ,Css  
Number of Team members: 5



# Let's work together



## EMAIL

swc@iitg.ac.in



## DISCORD

<https://discord.gg/PX8uQkjE>



## WEBSITE

[docs.swciitg.in](http://docs.swciitg.in)