



# STUDENTS' GYMKHANA ELECTIONS

## Year 2021-22

Indian Institute of Technology, Guwahati

File Ref: IITG/SAC/GYM21/Elections/Nominations/

### Nomination Form

Post contesting for: **Institute General Secretary, Students' Web Committee (SWC)**

#### **Candidate details:**

Name: Alan T Thomas

Roll No.: 180104008

CPI: 8.18

Backlogs: NIL

Email Id: alan@iitg.ac.in

Hostel: Dihing

Dept. /Branch: Civil Engineering


Semester: Six (6)

Active Backlogs (if any): NIL

Contact No.: 8113017739

Room No.: 120

Signature with date:

  
01/02/2021

#### **Proposed by:**

Name: Nilay Pandey

Roll No.: 180104058

CPI: 7.75

Email Id: nilay18@iitg.ac.in

Hostel: Dihing


Dept. /Branch: Civil engineering

Semester: Six (6)

Contact No.: 7742547074

Room No.: 117

Signature with date:

  
01/02/2021

#### **Seconded by:**

Name: Shubham Gandhi

Roll No.: 180123046

CPI: 7.32

Email Id: gandhi18@iitg.ac.in

Hostel: Umiam

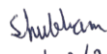
Dept. /Branch: MnC

Semester: Six (6)

Contact No.: 9166646343

Room No.: B-130

Signature with date:

  
02/02/2021



# STUDENTS' GYMKHANA ELECTIONS

## Year 2021-22

Indian Institute of Technology, Guwahati

File Ref: IITG/SAC/GYM21/Elections/Agenda/

### Agendas and Declaration Form

Post contesting for: **Institute General Secretary, Students' Web Committee (SWC)**

Name: Alan T Thomas

Nick Name.: Alan

Tagline (Punch line): Right decisions bring bright future

#### **Agendas:**



#### 1. Organizational Team Structure for SWC:

**Proposal:** Introducing a Team structure based on experience, Cross functional teams and collaborative environments.

- Introduction of a flatter hierarchy in the Students Web Committee.
- Different product teams for various projects which comprises developers, product managers and product designers.
- SWC Core which itself is the pillar of Web Development Core, App Development Core and Design Core which works together on different products and RnD for delivering and production of projects.
- Building agile development teams to deliver products fast and bringing an **Open Source culture** to campus web development.

#### 2. In House Community Platform for Developers and Designers

**Proposal:** Building a community around product development and design.

- Creating the biggest hub of Learning resources by the campus itself where students share links and resources along with access to a huge library of great online courses with a one streamable platform.
- Students can create their own learning journeys for different projects and skills and share them with their peers.
- Introducing Chrome Extension for students to share resources with ease while browsing.

### 3. Hostel and Mess Management System

**Proposal:** Automation of many of the tedious procedures existing in Hostel and mess management such as feedback collection, room cleaning, mess preferences and mess refund calculations.

- Replacement of the Mess cards with individual QR Code.
- Introduction of a full fledged portal for Mess Preferences and Feedback.
- As of now we will have to do manual entries for the room cleaning purposes. The idea is to create a platform which allows the hostel inmates to request for room cleaning and the Hostel GenSec can download the day to day list as an excel sheet.
- Planning to merge these features to onestop in Phase 2.
- Automation of the Mess Refund Calculations to simplify the work of HAB Staff.

### 4. SWC Project Management Website

**Proposal:** Development and Deploying a website for smooth team management and hosting of upcoming SWC websites.

- The website will be having the option of creating a node js or a django project.
- Upon creation;
  - The website automatically creates a github repository with a default project folder in SWC's github account.
  - This particular github repository will be hosted in SWC server.
- Team members and their github ids will be stored in the Database which in turns give them the collaborator access and git clone link.
- The website support for Android native and flutter will be introduced.

### 5. Introduction of new Teams:

**Proposal:**

- Introduction of SWC Infosec: Train and encourage the students of IITG to participate in hacking competitions, also known as CTF(Capture The Flag).
- SWC Design Studio: Research and Design Thinking to SWC products. User experience tailored for campus junta. A Building SWC Portfolio of all the products.
- SWC RnD: Bringing in House trending technologies like AR VR, Blockchain, Cloud Computing etc.
- SWC Hackathons: Conducting various hackathons focusing development, design and security

6. Bus and E-Rickshaw Tracking with GPS via Onestop.

**Proposal:** Proceeding further with the implemented Software for the Green Valley Buses by Optimising it and extending it to E-Rickshaws and Integrating it to the OneStop.

- Though this Agenda has been carried out through years but could not be implemented due to the Risk of Sim Cards in Each GPS Tracker.
- We could collaborate with Third Party GPS Trackers which are capable of working without a Sim Card.

7. Further Development in Onestop App

**Proposal:** Launching of IOS version of the onestop app and addition of few key features.

- Launch IOS version of Onestop App.
- Integration of Campus Bloomberg to Onestop (Campus Blogs).
- Introduction of maintenance and UX team specifically for one stop in order to facilitate regular updations in onestop.
- Create forms tab in onestop for easy access to the forms issued by administration.
- Ideation tab in onestop for the input of ideas from the campus junta. This feature aims to help SWC to provide necessary support to implement amazing ideas coming in from campus junta.

8. Optimizing the ongoing projects.

**Proposal:**

- Designing the team management platform: CCD portal for placement teams to enhance efficiency of the workflow and a better user experience for both Students and Placement Coordinators.
- Completion and hosting of a code recycling platform where alums and students can drop code snippets they worked on or are working on to get it converted to a full fledged products shipped by SWC.
- Implementation of open resumes which provides a better platform for the campus junta to create, edit and update their resumes with absolute ease.

**Standing Points:**

1. Organizational Team Structure for SWC
2. In House Community Platform for Developers and Designers
3. Hostel and Mess Management System
4. Introduction of SWC InfoSec, SWC RnD, SWC Design Studio and SWC Hackathons

**Experiences (Credentials if any):**

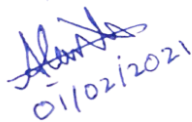
- Worked as an Associate coordinator in Centre for Career Development (CCD) during 2019-2020.
- Mentored and managed many WebD and AppD projects in SWC from March 2020 to till date.

**Declaration by the candidate:**

I hereby declare that the above information is to the best of my knowledge. I do not have any disciplinary probation by the Institute and will abide by the rules and regulations laid for Gymkhana Election. I do not have any active backlogs to be cleared.

I know that any false information in this nomination form will lead to cancellation of my nomination and disciplinary action.

Signature of candidate with date:



Signature of CEO: