Virtual Hawk

User registration

Register for a customized experience!

Are you a(n)

o student

a alumnus

o Campus visitor

Student

Enter your student ID #

[   ]

(link to database with student
  information)

What clubs / activities are you
registered or interested in? Select
all that apply

0 SGA

0 Debate

0 Dance

0 Fencing

0 Badninton

Enter your email address

[   ]

Enter a password

[   ]

Alumnus

① What brings back to campus ?

② what was your major ?
③ what ~~did~~ year did you graduate?
④ Are you here for the following
   event(s) ?

o _____   current &
                    }   (upcoming)
6 _____   events

o _____

Enter your email :

[   ]

Enter your password ?

[   ]

Campus Visitor

① What brings you to campus?

② Are you here for the following events (s)?

○
○
○
○

_____
_____
_____
_____

} (current & upcoming events)

Register with Virtual Hawk

Enter your ·Full· name _____

Enter your phone/cell # _____

Enter your email (username) _____

Enter a password _____

Student View
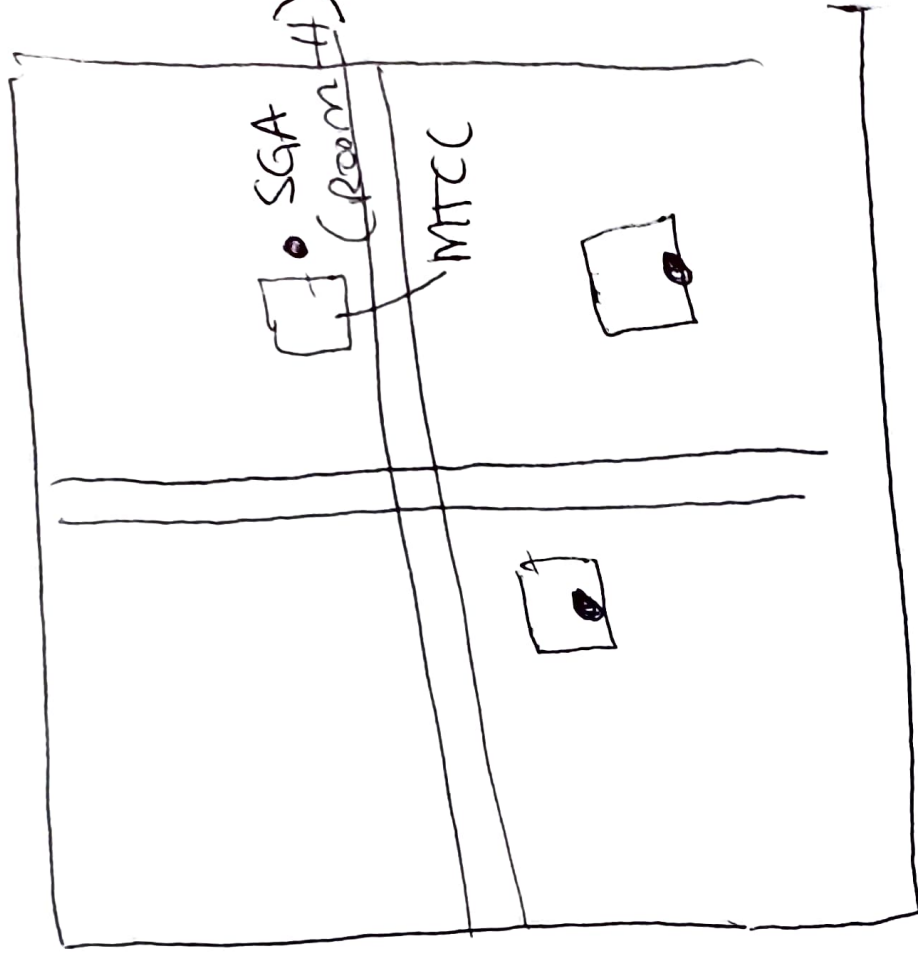
Happening Today (live updates)

SGA Meeting ➤ (Hoer)

Debate Club

Dance Club

Fitness

Math Club - CANCELLED

• SGA (room #)
MTCC

* All buildings clickable, will display moc information.

1. Privacy and Security

Yes   No

Would you like to share your location and information?

Yes ⃝   No ⃝

←

→

Yes box:

Name

Description
(Alarm/Student/Visitor)

Turns On
Motion

No box:

Takes
them
to wear
and website

3 Data Permissions

First get Permission from IIT to have school's student
Schedule info.

Second ask User Permission whether they want to syne their
Student account

Third If yes Nave student put IIT login to syne
Calendar for Classes and club

If no ask if they want to syne different Calendar or
input own info.

(Permission from IIT)

2. Implementing Custom maps

We can use a free source called modest maps it
is an open source api that is much smaller than googlemaps

making it easier to choose. Just a small area like IIT. You can
also pick and choose components when would make it great to
customize.

(User Custom Data Entry)

3) Data Permissions

Yes

Would you like to input your schedule?

Yes ☐ No ☐

No

Allow users onto the calendar and schedule

Manually input Data for Calendar Sync when Calendars you want.

4.) React data polling for live updates

- Use react JS hooks for live section/module updates

  - Sample code

```
import React, {useState} from `react`;

function example() {                                    count is our
   const [count, setCount] = useState(0);               state variable

   return (
      <div>
         <p> You clicked {count} times </p>
         < button on Click = {() => setCount (count+1)} > click me</button>
      </div>
   );
}
```

4) Web Scraping from websites

• We will use existing tech (Scrapy and MongoDB)
  - MongoDB will be our database
  - Scrapy will be our python library
  - Website will be pulling from MongoDB