
A gentle introduction to software dev.



A guide by Dev Club

Why software development?

- Develop any application that excites you and ship it to the end user.
- Bring your imagination and creativity in “hard” copy ;)
- Necessary for a lot of coding jobs and something that is NOT taught in college
- CV point!
- It a lot of fun! :D

```
int getRandomNumber()  
{  
    return 4; // chosen by fair dice roll.  
              // guaranteed to be random.  
}
```



Current Situation

What is the current scenario regarding software development in our college?

→ **Non Existent**

Have you seen anyone around you developing anything interesting?

→ **No One Cares**

No one questions the fact that our college is not as “technical” as it should be.

→ **No initiative**

Lack of any community of interested people (unlike cultural case)

—

But is the situation same in other IITs?



Hint

Ask your friends from
other colleges :P

Ofcourse Not!

Some popular examples are:

[SDS Labs](#) - IIT Roorkee

[Programming Club](#) - IIT Kanpur

[The Web and Coding Club](#) - IIT Bombay

[Kharagpur Open Source Society](#) - IIT KGP



So what can we do?

Its simple:

→ **What**

Start a dev community of our own!

→ **Who**

Started by a group of enthusiastic and like minded people.

→ **When**

Now!



What can we learn?

Making best UI/UX using angular, react, bootstrap

Server side management - Docker, Resource management, Sandboxing, Monitoring....

Back end- Node.js, Django, Rust, Scala, Julia....

Tools - Git, Slack, IRC, Database (SQL, NoSQL ..)..
..).

And a hell lot which even we don't know that we don't know



Meet Campus Bot

It was recently developed by three IITD Students just as a Code.fun.do Project.

Campus Bot is one stop solution for all the campus needs that students and the faculty in the campus can use.

<https://github.com/aman71197/CampusBot>



What can you make?

- ❖ File send
- ❖ Comics/Music downloader
- ❖ Random cool games - slither.io
- ❖ Internal Omegle
- ❖ Control laptop through whatsapp
- ❖ Moodle auto captcha extension
- ❖ Valentine matching-Puppy Love ;)
- ❖ And much more..

Meet Git & Github.

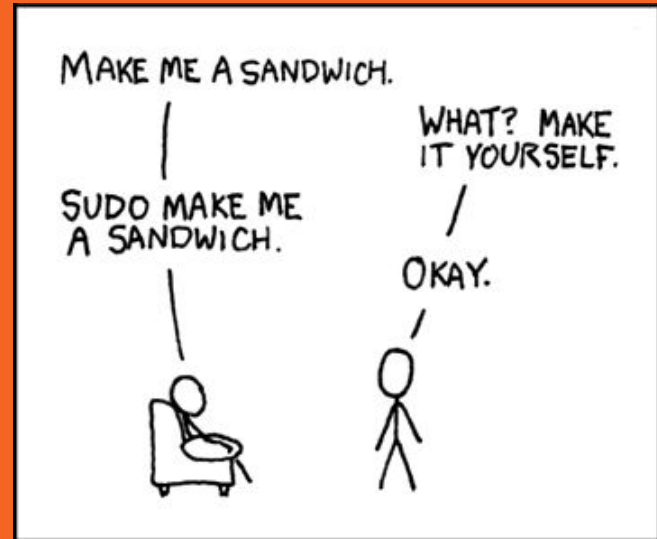
Solution to versioning and collaborative development.

P.S. - Make a github student account!



And Command Line.

```
C:\>
```



And Web Servers,
doxygen, makefile.....





But real friends are..

Google and stack overflow :D



Are you interested?
Make Dev Club
awesome by joining
the **community**.

How to get aboard?

Make a github
account

Make a webapp
using git for
versioning

Deploy on heroku
or any web
serving platform.



Good luck!

Problem statement -

iitd.info/devproblem

Deadline 5th March 2017 11:55 PM IST

Queries/Doubts can be directed to -

aman.cs115@cse.iitd.ac.in

suyash1212.cs115@cse.iitd.ac.in