



# KHARAGPUR OPEN SOURCE SOCIETY

```
koss@iitkgp:~/$ cd intro-sem
```

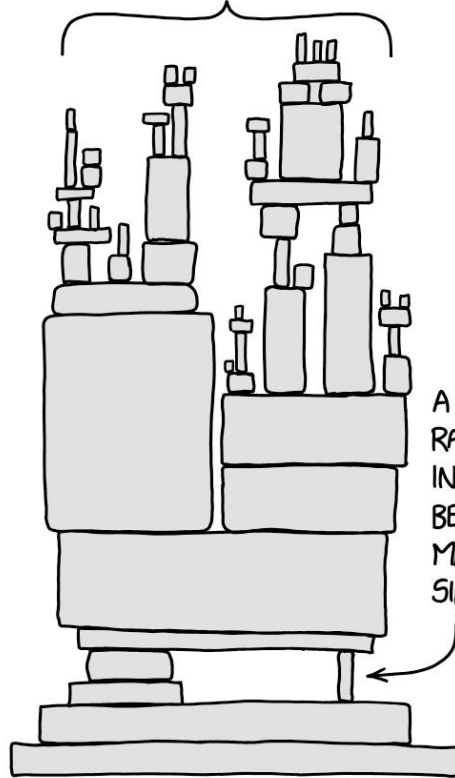
```
koss@iitkgp:~/intro-sem$ date +"%drd %B %Y"
```

23rd March 2023

# WHAT IS OPEN SOURCE?

```
koss@iitkgp:~/intro-sem$ cd what-is-open-source
```

ALL MODERN DIGITAL  
INFRASTRUCTURE



A PROJECT SOME  
RANDOM PERSON  
IN NEBRASKA HAS  
BEEN THANKLESSLY  
MAINTAINING  
SINCE 2003

# Trivia

Everyone recognizes **Bill Gates** and **Steve Jobs**, but do you recognize him?

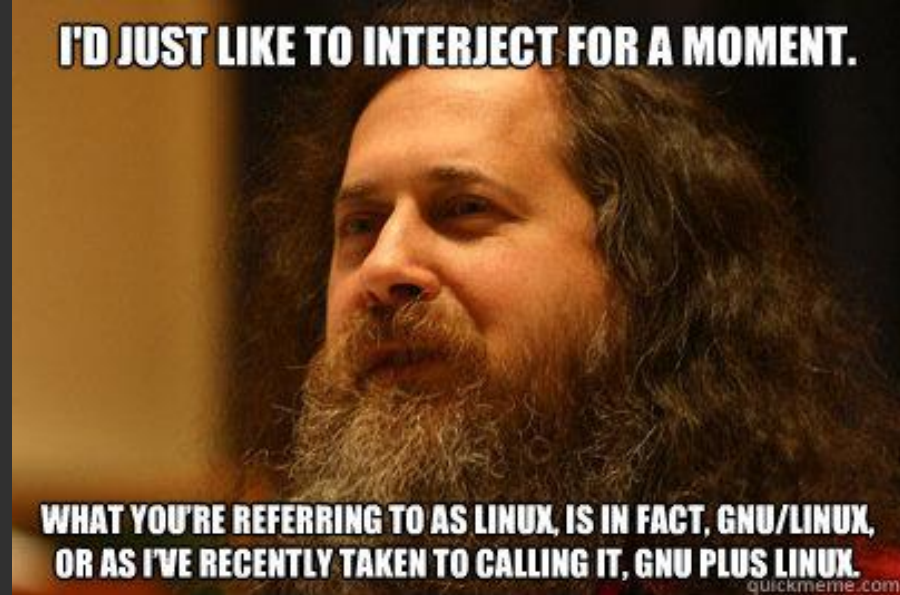
**Hint:** You might have already used his work while programming.



# Richard Stallman

He is the founder of Free Software Foundation (**FSF**) and **GNU**.

He developed the **GNU** Compiler Collection, better known as **GCC**.



# Trivia

What is the full form of  
GNU?

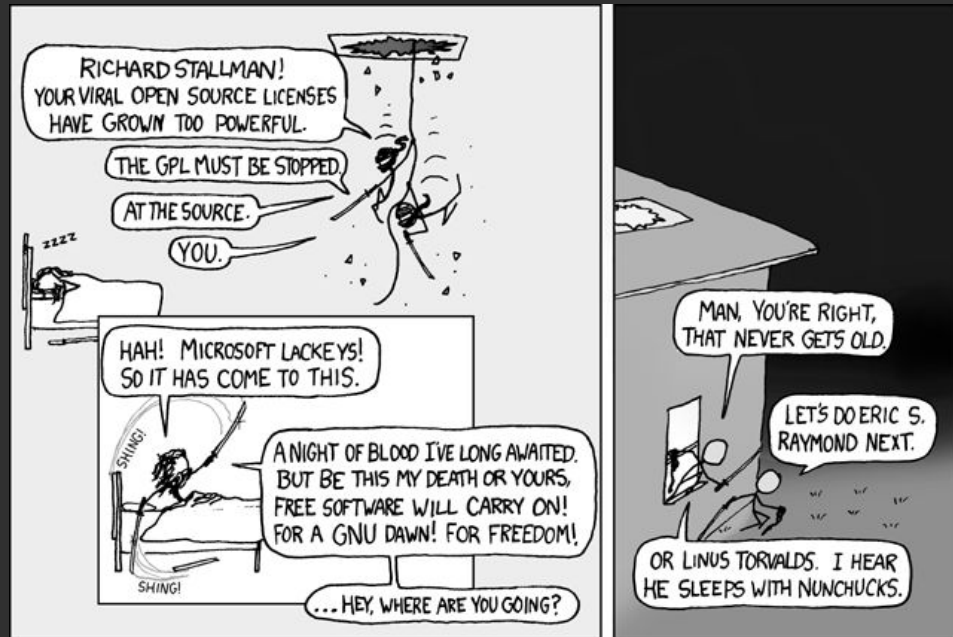




# GNU's Not Unix!

The GNU project was created to make a completely “free” software operating system.

The recursive acronym GNU was chosen because GNU's design is similar to Unix but contains no Unix code.



# OPEN SOURCE DEVELOPERS



What my friends think I do



What my spouse thinks I do



What the users think I should do



What enterprise companies think I do



What I think I do



What I actually do



# WHAT KOSS IS NOT?

```
koss@iitkgp:~/intro-sem$ cd what-koss-is-not
```

```
koss@iitkgp:~/i/what-is-koss-not$ cat "what-we-aren't.txt"
```

✗ CP Club

✗ ML/AI Club

✗ Web Dev Club

✗ Event Organising Club

✗ Research Group

✗ GSoC Preparation Club

# WHAT IS KOSS?

```
koss@iitkgp:~/intro-sem$ cd what-is-koss
```

```
koss@iitkgp:~/i/what-is-koss-not$ cat "what-we-are.txt"
```

- ✓ We're a group of **FOSS enthusiasts** in IIT KGP and attempt to promote the **Open Source Culture** in Campus.
- ✓ For the growth of the **technical know-how** of the junta as a whole, we organize workshops and events all the year round. Some are:
  - Git & Github workshop, Python Workshop
  - REST APIs Workshop, Linux and Vim Workshop
  - Kharagpur Winter of Code
- ✓ Biggest part is that we're a **close community** of tech\_geeks working together to learn and **do cool stuff**.

# THEN WHY BOTHER JOINING?

```
koss@iitkgp:~/intro-sem$ cd why-join-koss
```



```
koss@iitkgp:~/i/what-is-koss-not$ cat "why-join.txt"
```

- Love for coding and building useful and/or cool stuff.
- Need any guidance? Just post in [#queries](#).
- Found something cool? Drop it like it's hot in [#readings](#)
- [#listening-or-watching](#), [#meetup](#), [#projects](#)
- even [#network-issues](#) because KGP :)
- All your [memes](#) are belong to [#random](#)
- Learn and collaborate with people interested in [Development](#), [System Design](#), [Blockchain](#), [tech buzzword](#) you can name on this plane



# Trivia

Identify this major **Linux** distribution infamous for being extremely hard to install.



# Arch Linux

I use **Arch**, BTW!

Press your forehead every time  
**you say "I use Arch"**



**Arch users**




# WHAT DO WE DO?

```
koss@iitkgp:~/intro-sem$ cd what-we-do
```

# Workshops

- Git and Github Workshop
- Linux and Shell Scripting Workshop
- Python Workshop

 Kharagpur Open  
Source Society

Presents

## Python Programming Classes

3pm / 1st & 2nd September  
Nalanda NC-231  
Please bring your Laptops!

We don't teach  
Parseltongue

Kharagpur Open  
Source Society  
presents



Google  
Summer of Code  
Introduction Seminar

30th January | 2pm  
MS Teams - [d51ju2q](#)



## INTRODUCTION TO GIT AND GITHUB



Make sure you have Git installed in your system.  
Scan the above code for instructions.

DATE: 11 March (2.00 PM onwards)

VENUE: NR-213 (Nalanda Complex)

Anushka: +91 89046 94739

Ananya: +91 93378 70869

## KOSS WORKSHOP



-linux environment  
-shell scripting  
-vim

March 27, 2022 (Sunday)  
2 PM - 5 PM

MS Teams Code:





# Events

- Open Source Summit
- Kharagpur Winter of Code
- Ubuntu Install Fest
- Lightning Talks



Kharagpur Open Source Society  
in association with  Kshitij  
Presents



# Open Source Summit

Venue: **Nalanda**  
(NR221 NR222 NR223)

**Python Workshop**  
19th January 10am to 1pm

**Javascript Workshop**  
19th January 10am to 1pm

**Intuit Talk & Workshop**  
19th January 2pm to 5pm

**Business Analytics Workshop**  
20th January 10am to 1pm

**Go-Lang Workshop**  
20th January 10am to 1pm

**Hacking Workshop**  
20th January 2pm to 4pm

**Mentor Talks**  
20th January 4pm to 5pm

Contact  
**Sangeet 7478017666**

# Kharagpur Winter of Code (KWoC)



Kharagpur Winter of Code is a month-long online program for students who are new to open source software development.

The program not only helps students to get involved in open source, but also prepares them for many open source summer programs; Google Summer of Code being one of them.

<https://kwoc.kossiitkgp.org>

# KWoC 2022 Statistics



1300+ Participants

69 Projects

400+ Pull Requests

1100+ Commits

500,000+ Lines of Code Changed



# MetaKGP

Have you heard of our lord and  
saviour, **MetaKGP**?

<https://metakgp.org>

The logo consists of the words 'meta' and 'KGP' in a bold, white, sans-serif font. 'meta' is in lowercase and 'KGP' is in uppercase. The text is set against a dark gray square background that has a subtle gradient and a long, dark shadow cast to the right and slightly downwards, giving it a three-dimensional appearance.

**meta  
KGP**

# MetaKGP Projects

- **MetaKGP** Wiki (<https://metakgp.org>)
- **Kronos**: Grade Distribution
- **MFQP**: Question Paper Search
- **GYFT**: Get Your Freakin' Timetable
- **WIMP**: Where is My Prof

... and many more.

Checkout the projects (and contribute!) on **Github** at <https://github.com/metakgp>.

Join the conversation on **Slack** at <https://slack.metakgp.org>.



# Trivia

Identify this famous  
personality infamous for his  
hot takes.



# Linus Torvalds

The creator of **Linux** and **Git**.  
He also has an **asteroid** “9793  
Torvalds” named after him.

P.s: Just don't ask him about  
his views on Nvidia.



# SELECTIONS

```
koss@iitkgp:~/intro-sem$ cd selections
```

# Selection Process

- Of all the applications, suitable candidates will be sent **round 1 interview email**
- Round 1 interview will be centered on the **responses filled** in the application form regarding experiences in various topics.
  - Two choices, **teaching task and coding task (only one to be taken)** will be given, post which round 2 interview will be held.
  - Candidates would be **encouraged** to take up the task in that **mode** which they are **not comfortable** in.
- In **round 2** candidates will be asked to present their **task update** for which **4-5 days** would be given.
  - The judging basis in round 2 would be solely on **how much** they have **learnt** and **explored** about the task topic and **how much time** they have **devoted** on it.

# Selection Form

```
koss@iitkgp:~/intro-sem$ cat form_QRCode
```



<https://bit.ly/koss22>



# Upcoming Workshops

```
koss@iitkgp:~/intro-sem$ cd workshops
```

Distro Install  
Fest

25th March, 2023

Python and API  
Workshop

26th March, 2023

QnA

koss@itkgp:~/intro-sem\$ cd qna

Have any doubts? Feel free to ask  
right now.