

**DON BOSCO INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION**

**IEEE-DBIT STUDENT BRANCH & IETE-DBIT STUDENT CHAPTER**

## **Report on 'Open Source Technology: A Step Towards Collaborative Learning' Webinar**

**Topic:** 'Open Source Technology: A Step Towards Collaborative Learning'

**Aim of The Webinar:** To encourage the development of open source technologies.

**Date:** 5<sup>th</sup> June 2020

**Time:** 4:00 pm -5:00 p.m.

**Venue:** Zoom Meeting/YouTube (Online)

**Panelist:** Prof. Tayyabali S. & Prof. Nilesh G.

**Moderator:** Prof. Prasad Padalkar

**No of participants registered:** 332

**No of DBIT faculties attended:** 7

**No of DBIT students attended:** 54

**No of total participants attended:** 287

**Objective of the Webinar:**

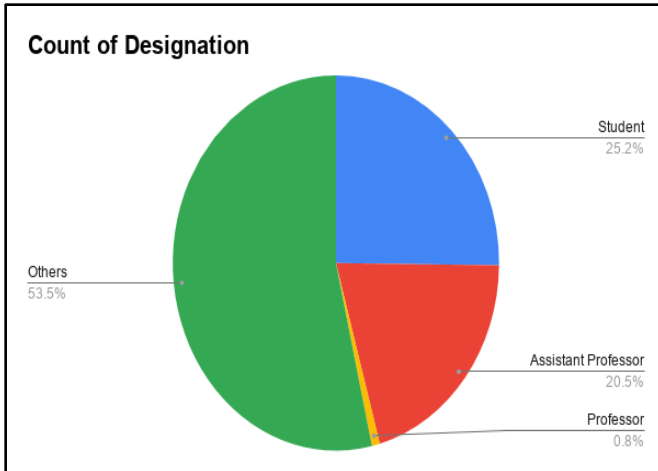
- 1: To create awareness about Open Source Technologies.
- 2: To use Open Source Technologies over closed source.

**Link to the webinar:** <https://www.youtube.com/watch?v=ywzio2pYDxA>

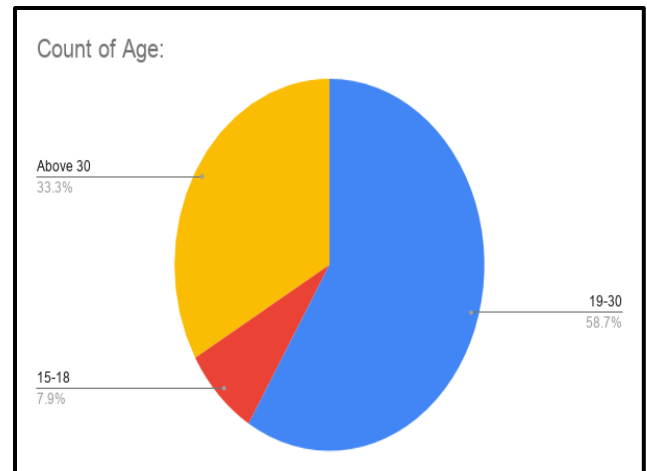
- The session commenced with an addressing of the speakers by Dr. Sashikant Pawar, Faculty of Mechanical Department of DBIT.
- Prof. Prasad Padalkar started the Webinar by talking about the meaning of Open Source Technologies, explaining it by giving an example of a car.
- Prof. Nilesh G. continued from here by talking about whether Open Source means Free of Cost.

- He explained how purchasing open-source software gives the person the right to modify the code.
- He then explained the 4 basic rules laid by the Free Software Foundation, which are the 1. Right to run the program 2. Right to Study and Change the program 3. Right to Redistribute copies 4. Right to Distribute Modified version.
- Prof. Tayyabali S. then talked about how the Open Source Movement was started by 2 people, Richard Stallman and Linus Torvalds.
- Prof. Nilesh talked about how open source technologies have impacted our lives and the major Open Source software we use in our daily lives like android, chrome, UNIX.
- Prof. Tayyabali talked about the role of open source in education, talking about the VUCA principle.
- The professors then talked about the various Open Source Projects they have worked on which included Water Resources Monitoring.
- Prof. Nilesh then talked about how they changed the syllabus from proprietary to open source.
- Prof. Tayyabali then talked about hardware Open Source.
- He also talked about job opportunities in Open Source related skills, and how to use GitHub to showcase one's skills.
- Prof. Nilesh further added to it by encouraging students to participate in hackathons.
- The professors then talked about the various companies using Open Source Software as well as some Open Source alternatives to popular proprietary software.
- After this, the panelists answered questions raised by the viewers.
- Vote of thanks was delivered by Mr. Imran Mirza, Dean Administration of DBIT, after which the participants were requested to fill the feedback forms.

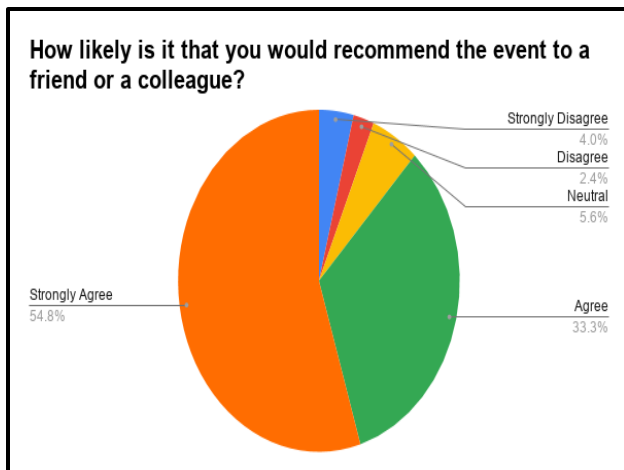
## Feedback Analysis:



The webinar was aimed to attract the school and junior college students and from the registration, we have a fair figure of about 25%.



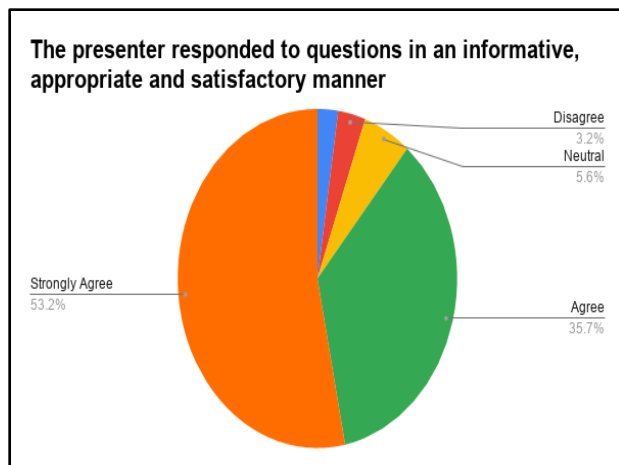
60% of the participants were around the age group of 19 - 30 years which was our targetted age group.



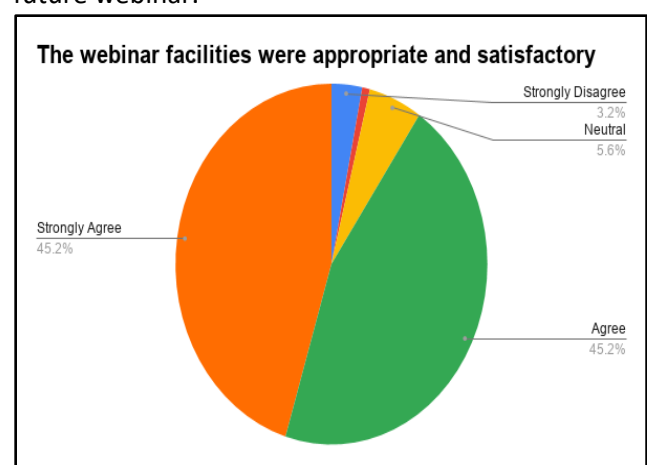
Around 55% of the attendees would strongly recommend the webinar to a colleague or friend.



The webinar was so successful that about 92% of attendees are willing to participate in a future webinar.

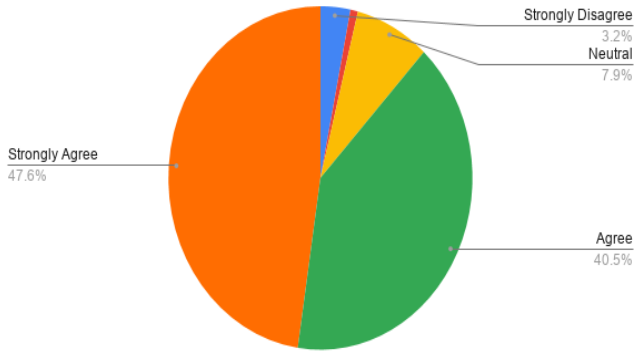


About 88% of participants were satisfied by the panelist's answers to the questions raised.



Over 90% of attendees said the webinar facilities were appropriate.

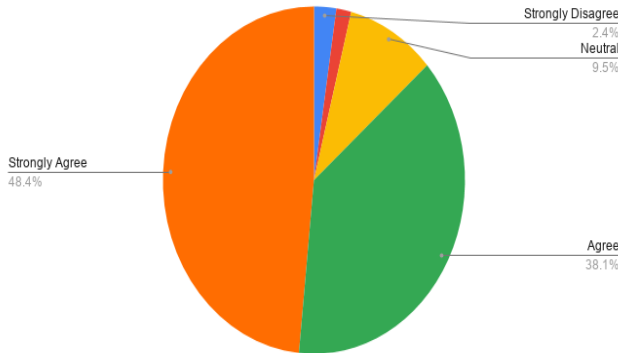
**Was this Webinar helpful in creating the required awareness?**



Over 80% agreed that the webinar helped create awareness on open source technologies.

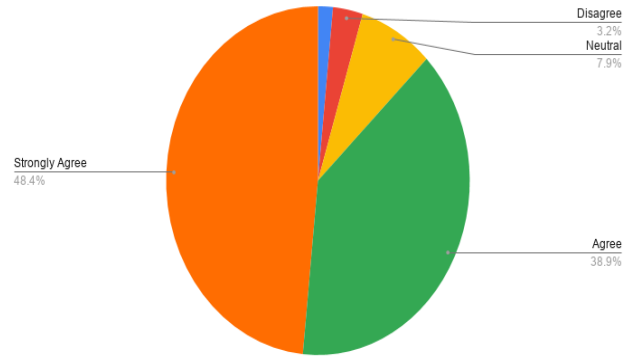
**Outcome of the Webinar:**

**Was the webinar successful in making you realize how does knowledge of open source help you to have an edge over others?**



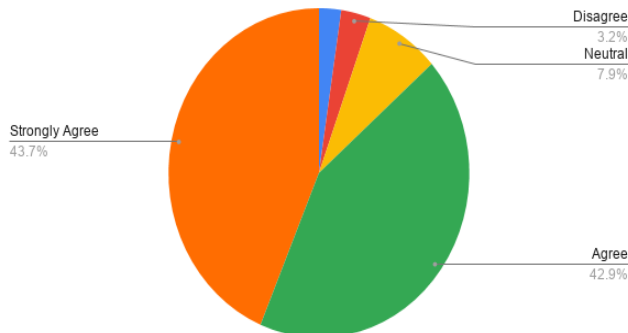
Over 80% of attendees realized knowing open source tech will give them an edge.

**Was the webinar helpful to make you understand how open source helps you to learn and collaborate with your friends?**



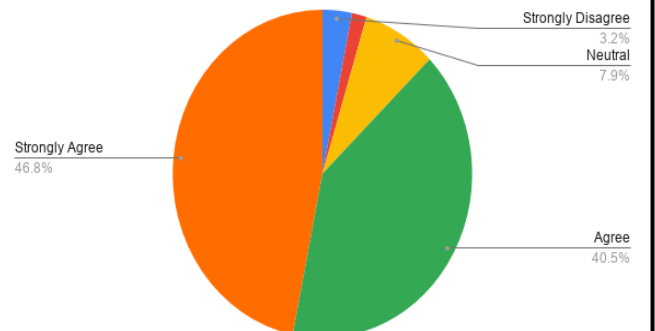
About 80% of participants understood the role of open source in gaining knowledge and collaborating.

**Was the webinar successful in realizing yourself how and from where you begin your open source journey?**



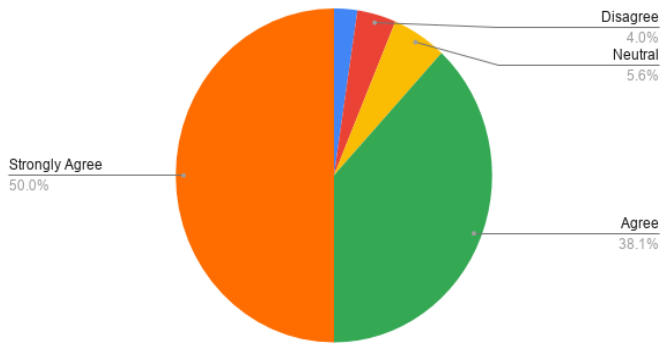
About 85% realized how and where they began their open source journey.

**Was this Webinar helpful to make you understand how has open source technology changed our lives?**



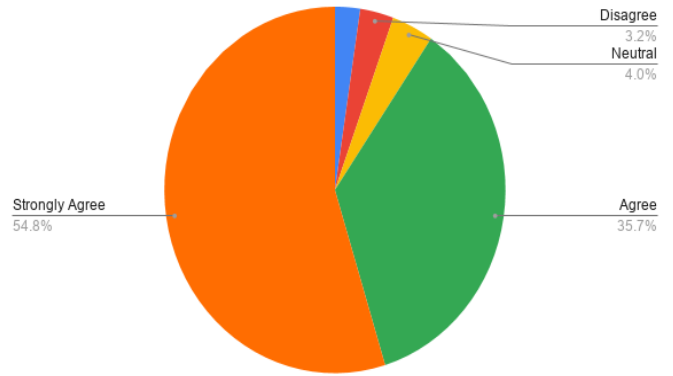
The majority of the participants understood the impact of open source technologies in their lives.

Was this Webinar helpful in making you understand what is open source? Does that mean its free to use?



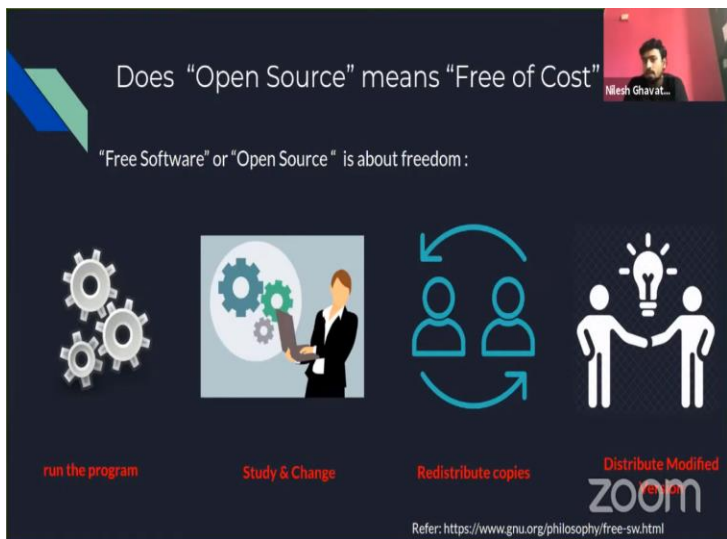
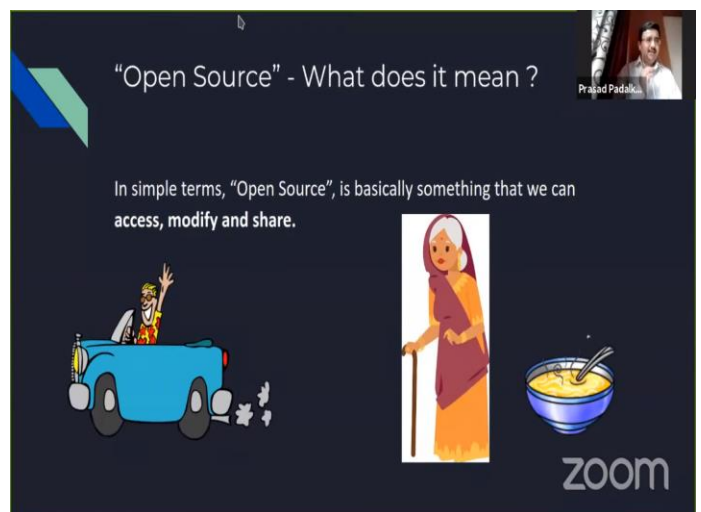
About 90% of the attendees understood what is open source, and whether it means free to use or not.

Overall, the webinar was informative and valuable



Overall, almost everyone agreed that the webinar was informative and valuable.

**Event Photos:**



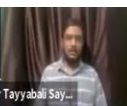
## Has open source really impacted our daily



## Our contribution.... "A Small Start"



## Which companies use or develop "open source soft



Some of the Top Companies :

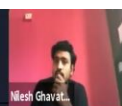
1. Adobe :- Open source projects like Gecko, Blink, WebKit, Apache Cordova, Flex, etc.
2. Automatic :- Creators of Wordpress; -- 28% of worlds website are powered by them.
3. Canonical :- Creator of Ubuntu operating system , which is very popular.
4. Facebook :- Social Networking Software
5. GitHub :- repository for open source projects
6. Google :- Projects include Android, Chromium, Dart, Go, Kubernetes, TensorFlow
7. Nginx :- Open source web server
8. Oracle :- Projects like Java, the MySQL database, the OpenOffice office, VirtualBox
9. RedHat:- Operating systems, Server OS etc.
10. Twitter: Built using open source software
11. Puppet : Configuration Management tool used by NASA, Spotify around 36,000 companies.

Refer:

<https://www.datamation.com/open-source/35-top-open-source-companies-1.html>



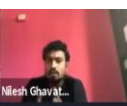
## Open-Source Software for Fun !!!



Package	Description
Gespeaker	Gespeaker is a free GTK+ frontend for espeak. It allows you to play a text in many languages with settings for voice, pitch, volume and speed.
Ktouch	KTtouch is a program to learn and practice touch typing.
Scratch	Scratch is a free graphical programming blocks based language where you can create your own interactive stories, games, and animations
PhET	Free science and math simulations for teaching STEM topics, including physics, chemistry, biology, and math, earth science etc.
GeoGebra	Draw different geometrical shapes using the features of GeoGebra software
Kalziium	Find out the facts behind the scientific names of elements and other features with the help of Kalziium software
Ghemical	Prepare models of molecules with the help of Ghemical Software



## What is the role of Open Source in Educati



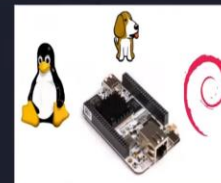
*Schools should teach their students to be citizens of a strong, capable, independent and free society.*

-FSF (Richard Stallman)

Sharing Social Responsibility Independence Learning Saving Quality



## What is "open source" hardware ?



**Event Poster:**

**IEEE DBIT**  
STUDENT BRANCH

**TECHNOLOGY FOR THE WORLD**

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IEEE - DBIT STUDENT BRANCH & IETE - DBIT STUDENT CHAPTER  
PRESENTS

**WEBINAR**  
on  
**OPEN SOURCE TECHNOLOGY -  
A STEP TOWARDS  
COLLABORATIVE LEARNING**

PANELISTS :  
Prof. Tayyabali S - Expert  
Prof. Nilesh G - Expert  
Prof. Prasad P - Moderator

DATE : 05/06/2020  
TIME : 4:00 PM

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Prof. Poonam C : 98201 68071

**Minutes Prepared by: Mr. Cromwell Mendes (Logistics and Operations Head)**

**Minutes Approved by: Mrs. Poonam Chakraborty (IETE-DBIT-ISF Co-Ordinator)**