

EASWARI ENGINEERING COLLEGE

(Autonomous)

Department of Electrical & Electronics Engineering

Free and Open Source Software Club (FOSS) -For Electrical Engineers

Academic Year 2020-2021

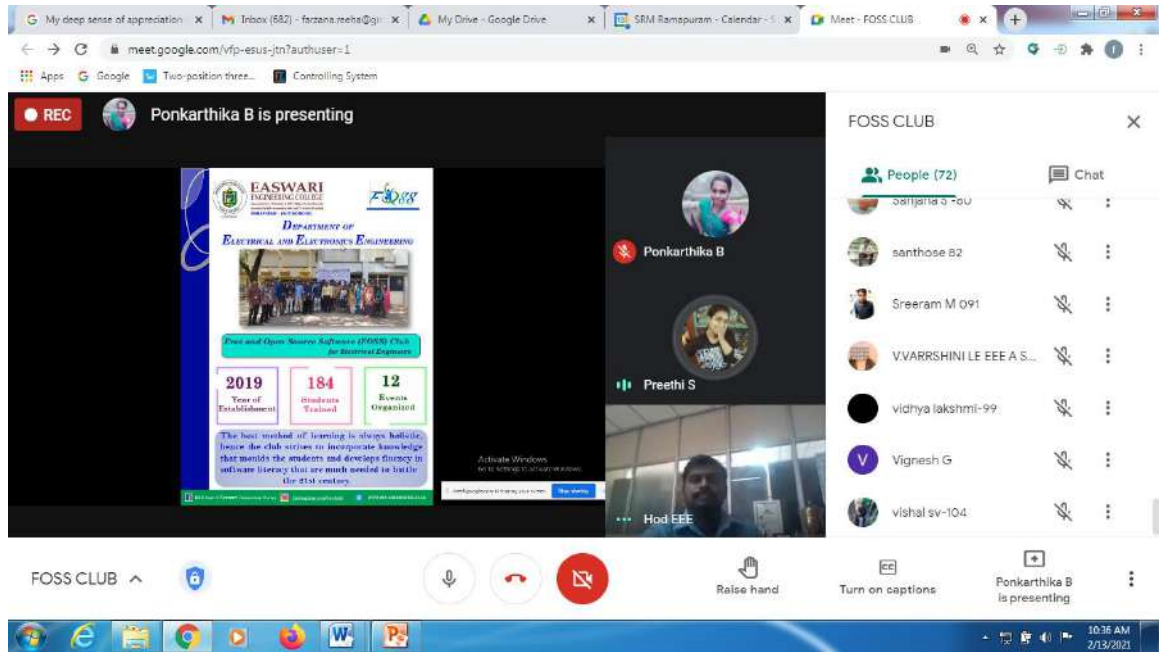
EEE Dept./ FOSS Club/ “Investiture Ceremony” on 13th February 2021 :

The investiture ceremony of Free and Open Source Software (FOSS) Club was conducted on 13th February 2021. Head of the Department of EEE welcomed the members .It was followed by introduction of office bearers. The president of the club S.S.BharathiKannan of IV year presented the events conducted during the academic year 2019-20 and the activities planned for the year 2020-21. It was followed by a talk on significance of the club by an alumni A.S. Aswathram pursuing master degree in Electrical and Computer Engineering Specialization in computer and micro electronics, computer vision and secure communications at Illinois Institute of Technology, Chicago and a presentation on introduction to software for industrial embedded system by S.V.Vishal of IV year. A Quiz was conducted later and the members actively participated. The ceremony ended with the vote of thanks by the co-coordinator of the club.

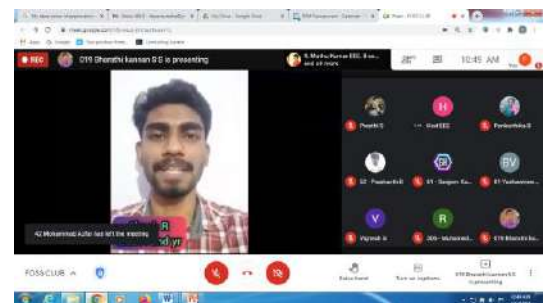
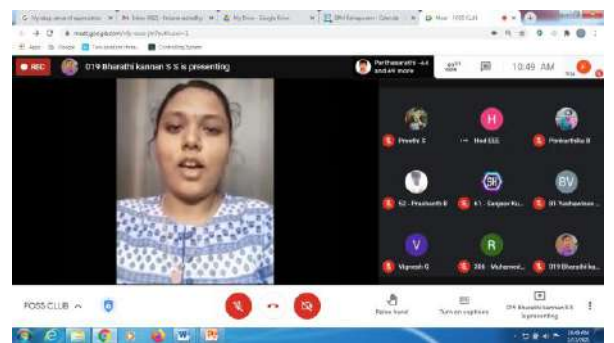
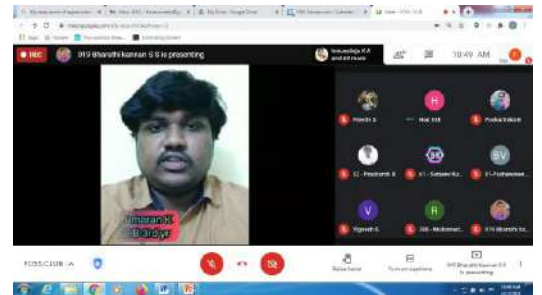
Faculty Co-ordinator: Dr.D.Fathema Farzana, AP (Sl.Gr.)

S.No.	Name of the Office Bearers	Position	Year/Dept
1.	S.S. Barathi Kannan	President	IV A/EEE
2.	Thirumaran K	Vice-President	III B/EEE
3.	S.V. VISHAL	Secretary	IV B/EEE
4.	Srikumares B	Joint- Secretary	III B/EEE
5.	Sanjana S	Treasurer	IV B/EEE
6.	Amudha M	Joint-Treasurer	III A/EEE
7	Akash.R	Executive member	II A EEE
8	Logaprasad. T	Executive member	II B EEE

Welcome address by the HOD/EEE



Introduction of office bearers



Presentation on activities conducted and planned by S.S.BharathiKannan , IV EEE



Talk by alumni A.S.Aswathram, Illinois Institute of Technology, Chicago



Introduction to software for industrial embedded system by S.V.Vishal , IV EEE

03
TEXAS INSTRUMENTS
Code Composer Studio

USB Connector for Power Program
Power Select Switch
USB Connector for Power Crystal
GPIO Pins and Socket Pack Connectors
TMS320G Microcontroller
Reset Button
User RGB LED
GPIO Pins and Socket Pack Connectors
USER switches

REC vishal sv-104 is presenting 020 GUNASHREE and 70 more 11:09 AM

FOSS CLUB

Raise hand Turn on captions vishal sv-104 is presenting

Quiz

QUIZ TIME

REC 76 - Thirumaran K is presenting Karpagam R and 60 more 11:12 AM

Preethi S vishal sv-104 Ponkarthika B
019 Bharathi ka... Mala K. 52 - Prashanth B
81-Yashawinee... Naveen R 61 76 - Thirumara...

FOSS CLUB

Raise hand Turn on captions 76 - Thirumaran K is presenting

2. Virtual Training session on “EasyEDA – Circuit Design and Simulation Software” by S.S.Bharathikannan , IV EEE A on 27.02.21.

meet.google.com/vfp-estuc-jin?authuser=1

REC 019 Bharathi kannan S S is presenting

WHAT IS EASYEDA?

- EasyEDA is a web-based EDA tool suite that enables hardware engineers to design, simulate, share - publicly and privately - and discuss schematics, simulations and printed circuit boards.
- EasyEDA allows the creation and editing of schematic diagrams, SPICE simulation of mixed analogue and digital circuits and the creation and editing of printed circuit board layouts and, optionally, the manufacture of printed circuit boards.

FOSS CLUB

People (45)

- 012.Bharathraj N
- 013 Deepakraj N
- 013-DUYAVAN M
- 019 Bharathi Kannan S S
- 019 Bharathi kannan S S Presentation
- 023-indhuja K S
- 024-Ishwariyaa R

FOSS CLUB

019 Bharathi kannan S S is presenting

REC 019 Bharathi kannan S S is presenting 036- KOWSICK.N and 41 more 11:10 AM

Press Esc to exit full screen

EasyEDA

File Edit Place Front View Simulation Advanced

LED sensor Light Analyzer

Press Esc to exit full screen

.tran 10

FOSS CLUB

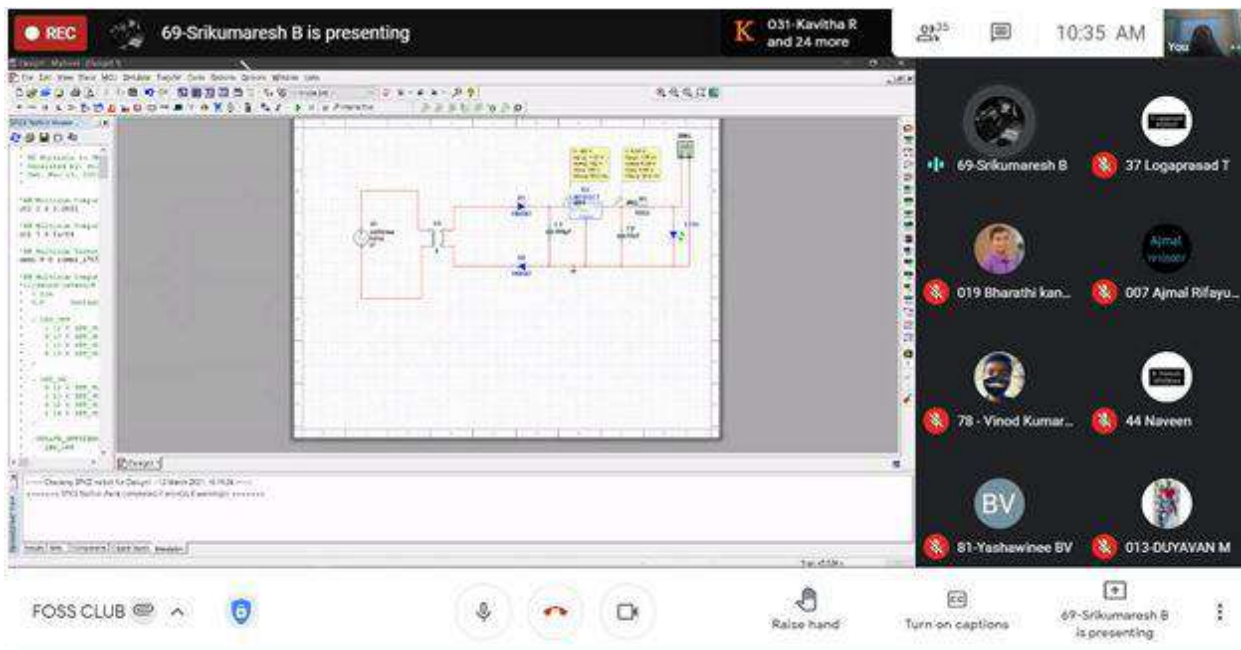
019 Bharathi kannan S S is presenting

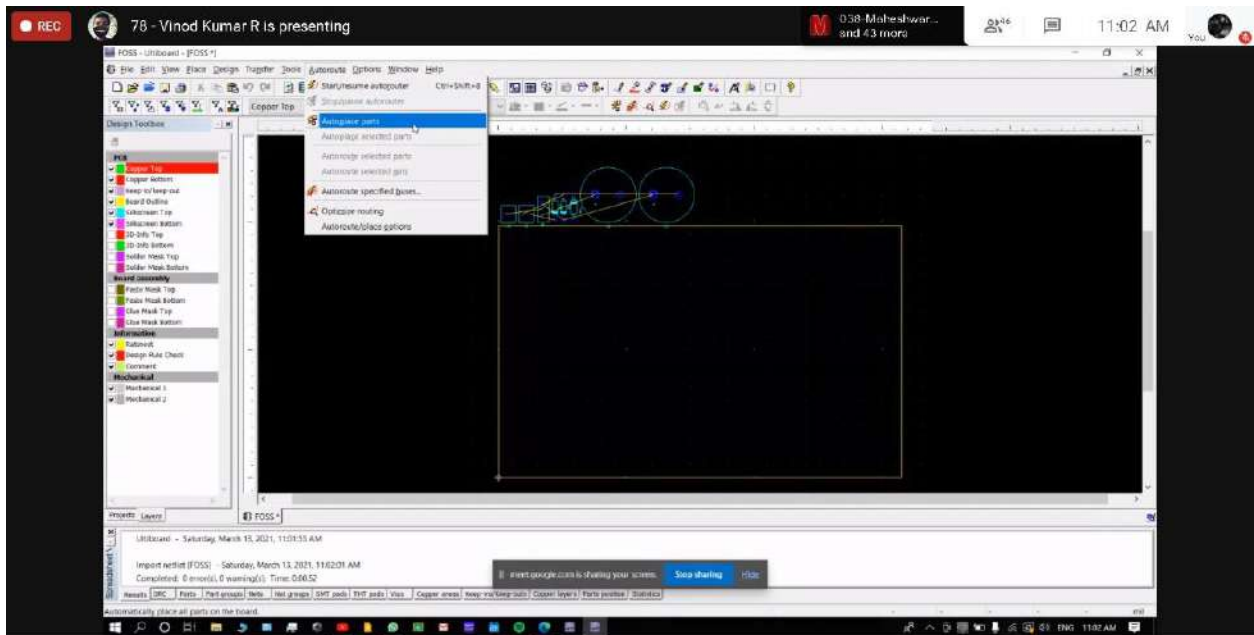
27.02.21-csv

Show all



3. Virtual training on “ NI Multisim- PCB design and simulation software” by B.Srikumaresh and R.Vinodkumar of III EEE B on 13.03.21.





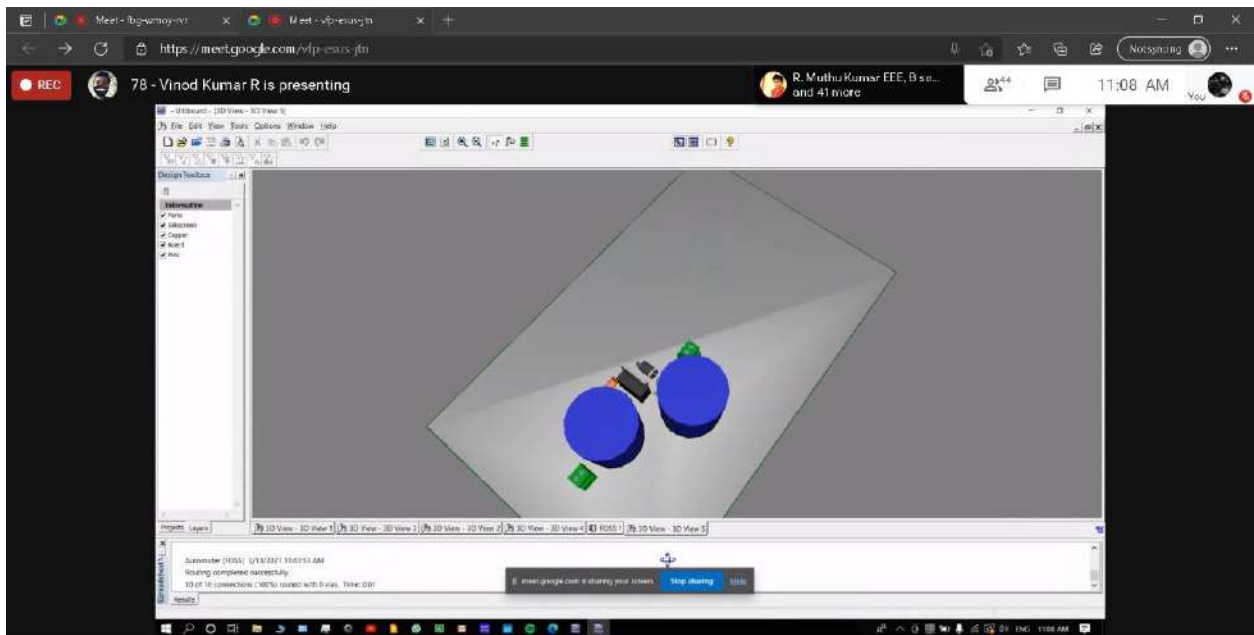
Meeting details



Raise hand

Turn on captions

78 - Vinod Kumar R is presenting



Meeting details

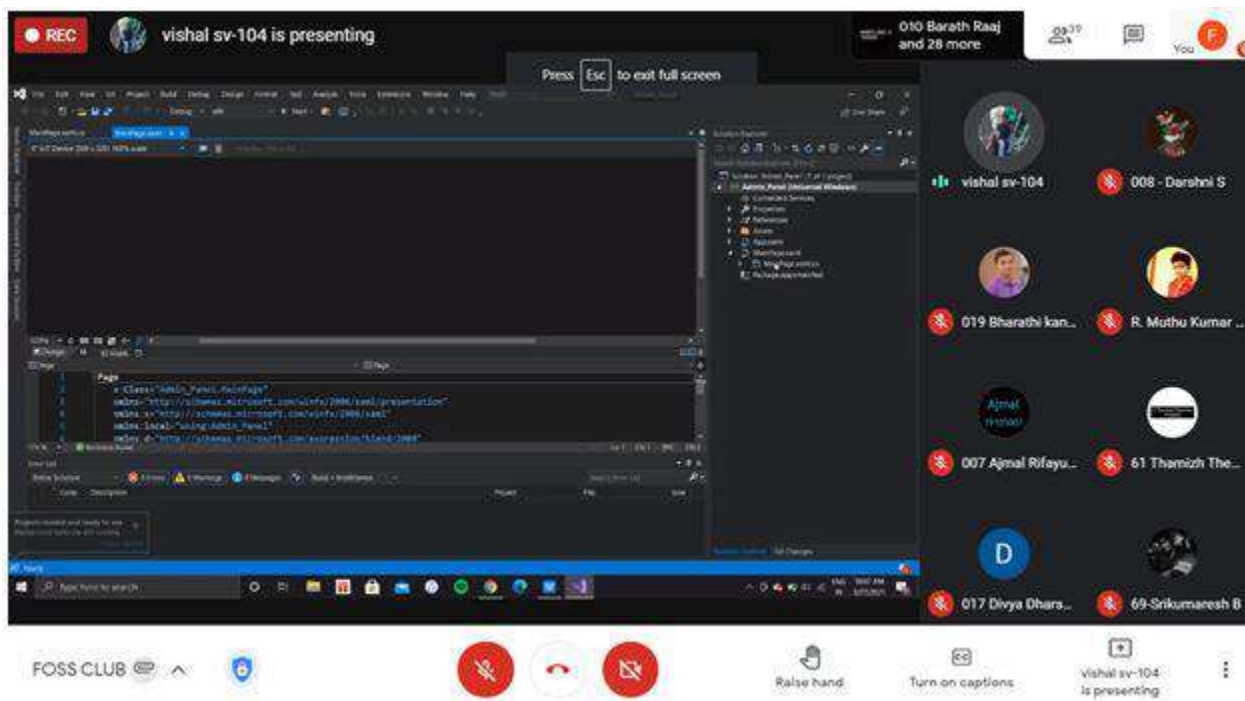
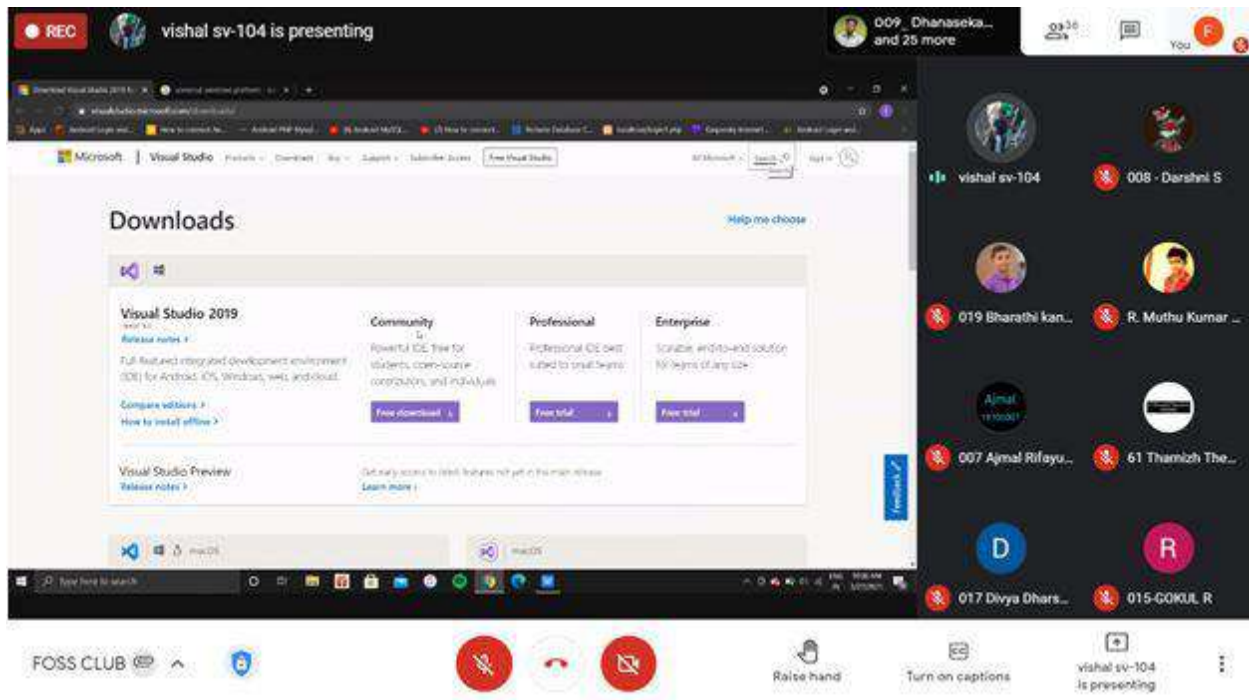


Raise hand

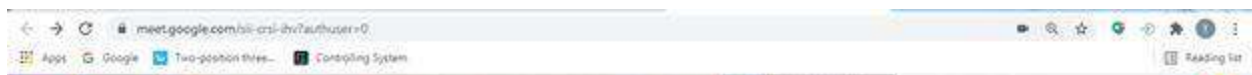
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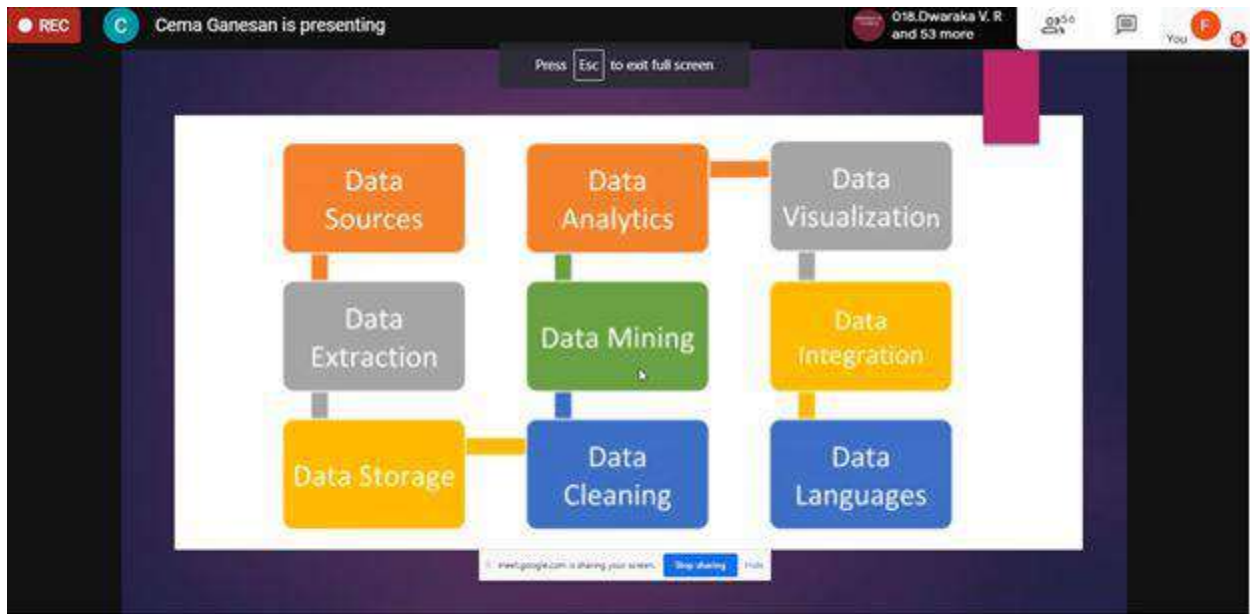
78 - Vinod Kumar R is presenting

4. Virtual training on " Universal Windows Platform" by S.V. Vishal , IV EEE B on 27.03.21.



5. Virtual training on “ Big Data Empowering Machine Learning “ by G.Cema, I M.E (EST) on 10.4.21 from 10.30 am to 11.30 am





Big Data Empowering Mac... ^

REC Cema Ganesan is presenting

Press Esc to exit full screen.

018.Dwaraka V. R. and 53 more

4:30 You F

Microphone Muted

Video Off

Screen Share Off

Raise hand

Turn on captions

Cema Ganesan is presenting

REC Cema Ganesan is presenting

Press Esc to exit full screen.

09 GaneshraJ.P. ... and 38 more

4:41 You F

65- Shreenithi V has left the meeting

REC Cema Ganesan is presenting

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09 GaneshraJ.P. ... and 38 more

4:41 You F

Microphone Muted

Video Off

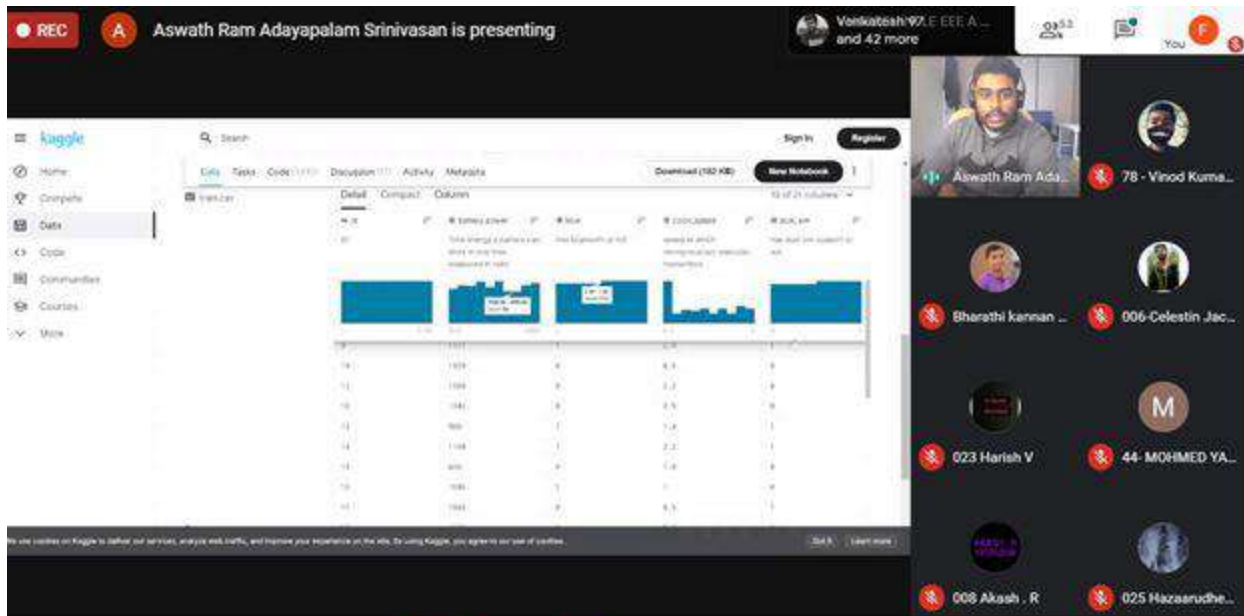
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Raise hand

Turn on captions

Cema Ganesan is presenting

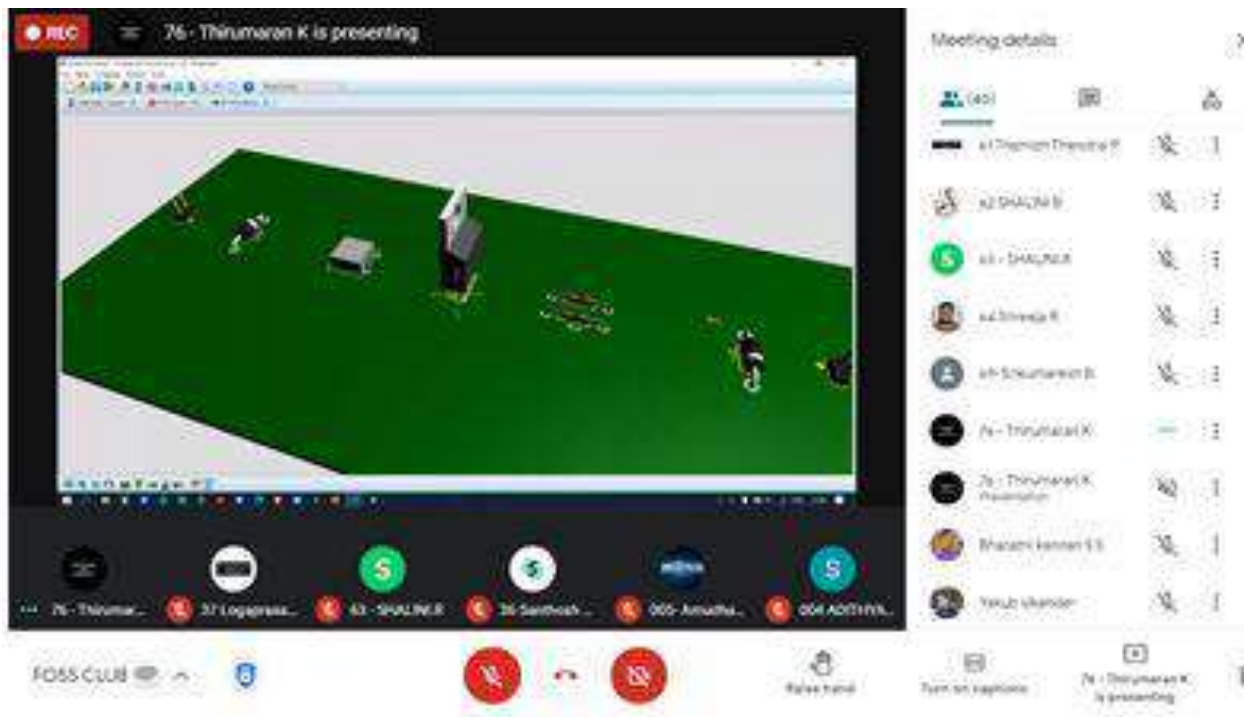
6. Virtual training on “ MATLAB” by alumni Mr.A.S.Asathram, Illinois Institute of Technology, Chicago on 24.04.21 from 6 PM to 7 PM.



7. A virtual training on "Circuito.io" by J.Ponraj Krishnan of III EEE A was organized by the FOSS club on 08.05.21 between 5.30 PM and 6.30 PM. It was followed by a technical event "Unmask the hidden task" conducted by M.Amudha of III EEE A.



8. A virtual training session on Proteus- A PCB design and simulator software by K.Thirumaran of III EEE B on 22.05.21 between 10.30 AM and 11.30 AM.



9. An online workshop on “R programming” by Mr.Pavithran M, Software Engineer, Embed UR on 05.06.2021 between 10.30 AM and 11.30 AM.

REC Pavithran M is presenting 43 Naveen G and 35 more

What Is R?

- a programming “environment”
- similar to S-Plus
- freeware
- provides calculations on matrices
- excellent graphics capabilities
- supported by a large user network

FOSS CLUB

Raise hand Turn on captions Pavithran M is presenting

REC Pavithran M is presenting 013 Deepakraj N and 29 more

Press Esc to exit full screen

```
257 ggplot(data = gapminder_1952,
258 aes(x = pop, y = lifeExp,
259 color = continent,
260 size = gdpPercap)) +
261 geom_point() +
262 scale_x_log10()
263
264
265 #Subplot
266 ggplot(data = gapminder_1952,
267 aes(x = pop, y = lifeExp)) +
268 geom_point() +
269 scale_x_log10() +
270 facet_wrap(~continent)
271
272 ggplot(data = gapminder_1952,
273 aes(x = pop, y = lifeExp,
274 color = continent,
275 size = gdpPercap)) +
276 geom_point() +
277 scale_x_log10()
```

Environment History Connections Tutorial

DATA	Observations	Variables
BMI	3 obs.	of 4 variables
gapminder	1704 obs.	of 6 variables
gapminder_1952	142 obs.	of 6 variables
gp	1704 obs.	of 7 variables
l1	list of 5	
sum [1, 2, 133]	1 4 2 5 3 4	

Files Plots Packages Help Viewer

ggplot

continent

- Africa
- America
- Asia
- Europe
- Oceania

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Raise hand Turn on captions Pavithran M is presenting

10. An Online Quiz Contest was organized on the free and open source software on 19.06.21 between 10.30 AM and 11.30 AM.

EASWARI ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY
RAMAPURAM CHENNAI

25 YEARS
of Excellence

FOSS

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FREE AND OPEN SOURCE SOFTWARE CLUB
FOR ELECTRICAL ENGINEERS

Organises

TOPICS ON

- Easy EDA
- Universal Windows Platform
- MATLAB
- Proteus
- R Programming
- Multisim
- circuito.io

Online QUIZ

Register Now @
<https://tinyurl.com/FOSS-->
Quiz-contest

19/06/21 **10.30 A.M To 11.30 A.M**

Convenor **Faculty Coordinator** **Student Coordinators**

Dr. E. Kaliappan **Dr. D. Fathema Farzana** **T. Logaprasad**
Professor And Head / EEE **Asst.Professor / EEE** **R. Akash**
(FOSS - Exec. Members)

f **Instagram.com/eedept** **EEE Dept Of Easwari Engineering College**

The top scorers of the quiz contest

1. Yuvarajan K – I EEE
2. Sakthi priya .R.S – I EEE
- 3.Thamizh Thendral P – II EEE
4. Harshni R S – I EEE
- 5.Jeyanthi Yegammai. S – II EEE & Keerthana.R – III EEE