



SRI KRISHNA COLLEGE OF TECHNOLOGY
[An Autonomous Institution |Affiliated to Anna
University and Approved by AICTE|Accredited by
NAAC – UGC]



KOVAIPUDUR, COIMBATORE - 641042.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
[Accredited by NBA upto 2020-2021]



GAUGING THE FUTURE OF FTTH(FIBRE TO THE HOME) TECHNOLOGY

Date : 10.10.2020 Time : 10.00 AM—11.00 AM Online Venue : GOOGLE MEET

The “GAUGING THE FUTURE OF FTTH (FIBRE TO THE HOME) TECHNOLOGY” event started at 10.00am through google meet online presentation mode with 82 students and 20 faculty members from ECE.

The session started with welcome address with an introduction to the resource person by the faculty co-ordinator, Ms. S. Thenmozhi – AP/ECE.

The resource person, Mr. K. Sai Saravanan, Associate – Quality Engineering , Cognizant CHIL-SEZ IT Park, Coimbatore shared his knowledge on the future of fibre technology.

The following points were shared with the participants:

1. Basic of fibre optics
2. Types of fibre optic modes
3. Details of FTTH
4. Passive optical network
5. Hybrid fibre coaxial cable

Vote of thanks was rendered by the faculty co-ordinator Dr. K. Sumathi, Professor/ECE and the session concluded by 11.00 am.

**Ms. S. Thenmozhi, AP/ECE,
Dr. K. Sumathi, Professor/ECE,
Ms. E. L. Dhivyapriya, AP/ECE,
STAFF CO-ORDINATORS.**



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Department of ELECTRONICS AND COMMUNICATION ENGINEERING

[Accredited by NBA under Tier-1]

Organizes a

Webinar on “Gauging the future of FTTH (Fibre To The Home) Technology”

Resource Person

Mr.Sai Saravanan K,

Associate – Quality Engineering , Cognizant
CHIL-SEZ IT Park, Coimbatore.



[https://meet.google.com/
lookup/f2iq6utui3](https://meet.google.com/lookup/f2iq6utui3)



10:00 a.m



10/10/2020

Convenor

Dr.G.M. Tamil Selvan/Professor & Head-ECE

Co-ordinators

Ms. S. Thenmozhi AP/ ECE

Dr. K. Sumathi Professor/ ECE

Ms E.L Dhivyapriya AP/ECE

Meeting details

People (42) Chat

Mr.Senoj Joseph, ASST. PROF 10:30 AM
3 x 10⁸ m/s

19TUEC145 PRASANNA.B 10:30 AM
3x10⁸ m/s

19TUEC246 Vignesh S 10:31 AM
3x10⁸ m/s

19TUEC108 KESSAV B.T 10:31 AM
3x10⁸ m/s

Mr.Senoj Joseph, ASST. PROF 10:32 AM
Students be interactive and try to answer the questions

Dr.K.SUMATHI Professor ECE 11:05 AM
Sir, instead of O-E-O , can we have only the operation with optical domain itself

Dr.K.SUMATHI Professor ECE 11:06 AM
Thank you sir

Ms.R.Priya Asst Prof ECE 11:06 AM
What are the challenges in FTTH in 5G evolution

Send a message to everyone

sai saravanan is presenting

Advantages of FTTH

- Very high speed data is possible
- Triple play systems
- Maintenance upon initial investment
- 10x more data than copper
- Durable and flexible
- No Interference
- Difficult to Tap
- No radiation

19TUEC145 PRASANNA.B has left the meeting

Meeting details

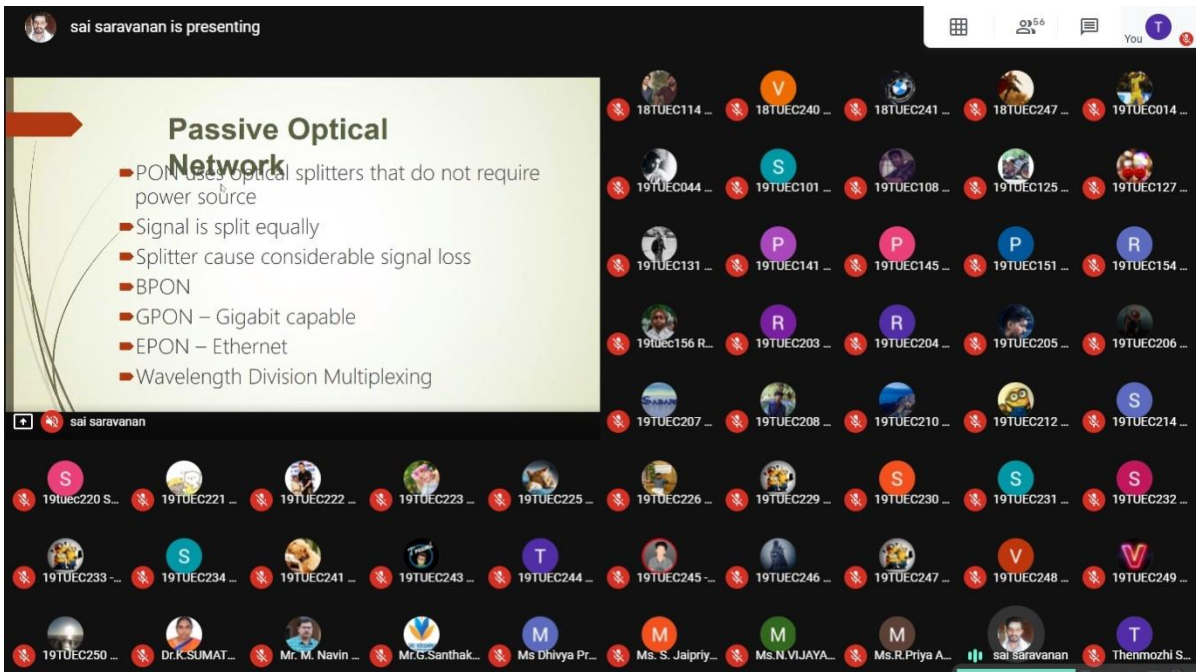
Turn on captions

sai saravanan is presenting

sai saravanan is presenting

Passive Optical Network

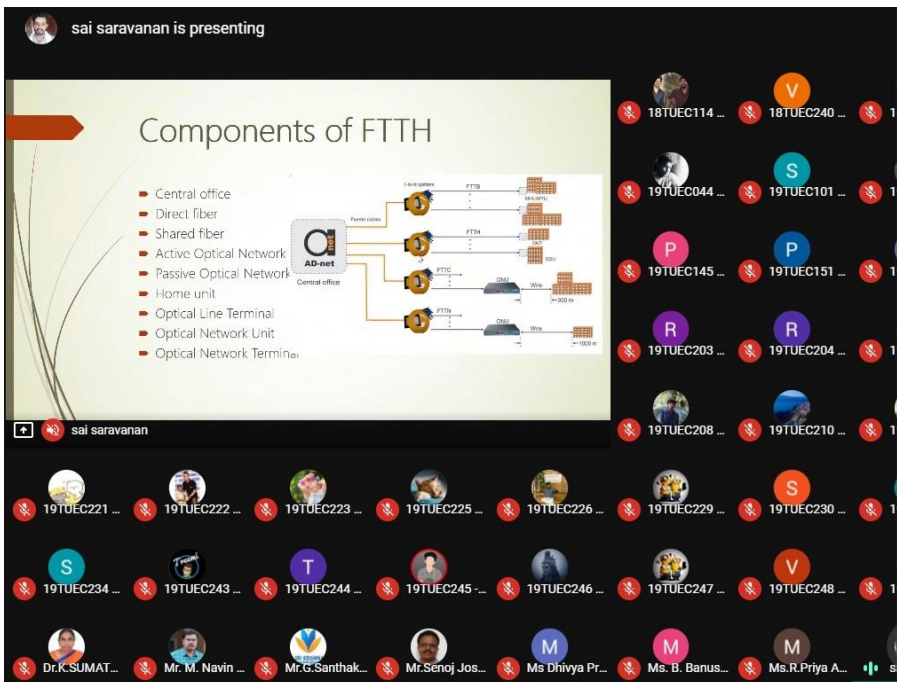
- POIN uses optical splitters that do not require power source
- Signal is split equally
- Splitter cause considerable signal loss
- BPON
- GPON – Gigabit capable
- EPON – Ethernet
- Wavelength Division Multiplexing



sai saravanan is presenting

Components of FTTH

- Central office
- Direct fiber
- Shared fiber
- Active Optical Network
- Passive Optical Network
- Home unit
- Optical Line Terminal
- Optical Network Unit
- Optical Network Terminal



Meeting details

People (55) Chat

Dr.K.SUMATHI Professor ECE 10:02 AM
ok ma

Mr.Senoj Joseph, ASST. PROF 10:30 AM
3 x 10⁸ m/s

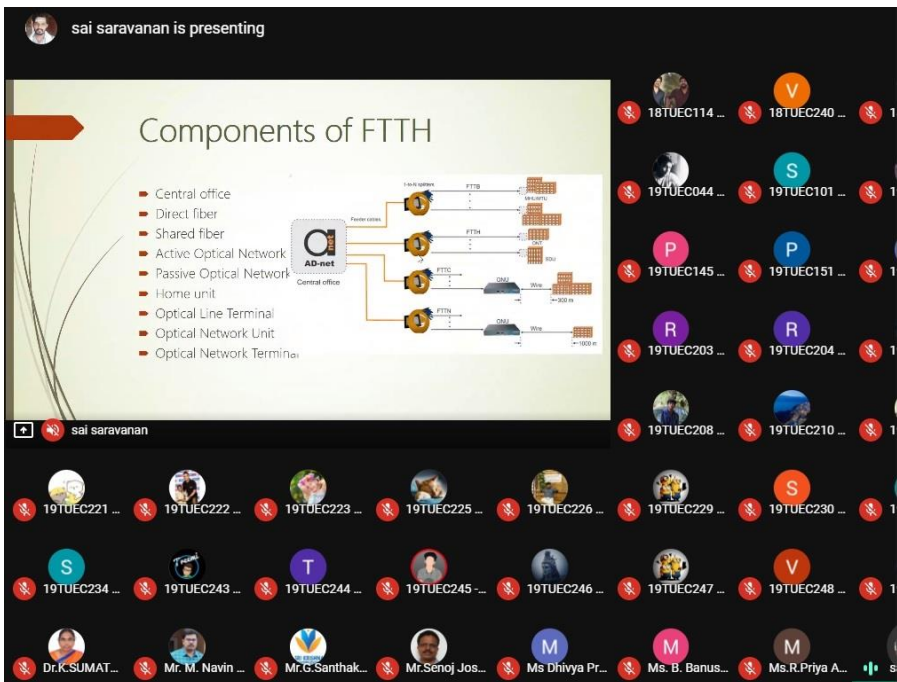
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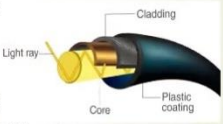
Send a message to everyone



sai saravanan is presenting

Optical Fiber

- Concept of Optical Fiber Communication
- Optical Fiber structure
- Single mode fiber
- Multimode fiber
- Operating wavelength
- Why we go for optical fiber?



Light ray, Core, Cladding, Plastic coating

18TUEC114 ... 18TUEC247 ... 19TUEC014 ... 19TUEC017 ... 19TUEC039 ...
 19TUEC044 ... 19TUEC101 ... 19TUEC108 ... 19TUEC110ki... 19TUEC112 ...
 19TUEC118 ... 19TUEC119 ... 19TUEC131 ... 19TUEC145 ... 19TUEC155 ...
 19TUEC156 R... 19TUEC203 ... 19TUEC204 ... 19TUEC205 ... 19TUEC206 ...
 19TUEC207 ... 19TUEC212 ... 19TUEC214 ... 19TUEC220 S... 19TUEC221 ...
 19TUEC222 ... 19TUEC223 ... 19TUEC225 ... 19TUEC226 ... 19TUEC229 ... 19TUEC230 ... 19TUEC231 ... 19TUEC232 ... 19TUEC233 ... 19TUEC234 ...
 19TUEC241 ... 19TUEC243 ... 19TUEC244 ... 19TUEC245 ... 19TUEC246 ... 19TUEC247 ... 19TUEC248 ... 19TUEC249 ... 19TUEC254 ... Dr. K. Sriniva...
 Dr.K.SUMAT... Mr. M. Navin ... Mr.G.Santhak... Ms Dhiyya Pr... Ms. B. Banus... Ms. S. Jaipriy... Ms.R.Priya A... sai saravanan ... Thenmozhi S...

18TUEC240 VAIDESHWA... and 34 more

Meet - jhs-hchd-cun

meet.google.com/jhs-hchd-cun?pli=1&authuser=1

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People (36)

Chat

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Thank you sir

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What are the challenges in FTTH in 5G evolution

Ms.R.Priya Asst Prof ECE 11:09 AM
Thanks

Mr.Senoj Joseph, ASST. PROF 11:10 AM
yes

Ms Dhiyya Priya E L Asstprof ECE 11:10 AM
yes sir

