

From

Dr.S.Karthigai Lakshmi

HoD/Department of ECE

SSM Institute of Engineering and Technology

Dindigul.

To

The Principal

SSM Institute of Engineering and Technology

Dindigul.

Respected Sir,

Sub: Requisition for conducting Sevendays Internship Programme- Regarding

This is to bring your kind notice that, we have planned to conduct a Seven days Internship Programme on "Fundamentals of Optical Communication and Its Applications" for the Second year students of Department of Physics,ArulmiguPalaniandavar Arts college for Women,Palani from 06.02.2023 to 13.02.2023 through online mode and its planned to conduct lab session in physical mode .This Internship Programme will enhance the basic knowledge and practical skills of students in the field of Optical Communication.Kindly we request you to give permission to conduct to conduct for the same.

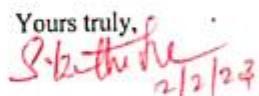
Thanking You,

Date:02.02.2023

Place:Dindigul

1. A. Geetha  
2. Mrs. G. Saranya  
Co-Ordinators  
2/2/23

1.Mrs.A.Geetha,AP/ECE  
2.Mrs.G.saranya,AP/ECE

Yours truly,  
  
2/2/23

  
PRINCIPAL



### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi/ Affiliated to Anna University, Chennai Accredited by NAAC )  
Dindigul – Palani Highway, Dindigul – 624 002

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### SEVEN DAYS INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

Seven Days Internship Programme on "Fundamentals of optical fiber communication and its Applications" for Second year students of Department of physics, ArulmiguPalaniandavar Arts College for Women, Palani is scheduled from 06.02.2023 to 13.03.2023 in order to enhance the basic knowledge and practical skills of students in the field of optical communications. The following faculty members have been assigned to engage the session for the 7 days.

DATE	TOPICS TO BE COVERED	FACULTY INCHARGE
6.02.2023	Introduction Communication Systems	Dr.S.KarthigaiLakshmi,Prof & Head/ECE
7.02.2023	Modulation Techniques with Applications	Dr.S.KarthigaiLakshmi,Prof & Head/ECE
8.02.2023	Demodulation Techniques	Mrs.G.Saranya,AP/ECE
9.02.2023	Introduction to Optical fiber Communication	Mr.K.S.ArunKumar,AP/ECE
10.02.2023	Introduction to Opto-Electronic Devices	Mr.R.CarolPraveen,AP/ECE
11.02.2023	Optical Sources – LASER and LED	Dr.M.PremKumar,AsP/ECE
13.02.2023	<u>Practical Session</u> Communication Systems Lab  Optical Communication Lab	Mrs. P. Karthikko AP/ECE Mrs.R.Sangeetha,AP/ECE Mrs.S.Abirami,AP/ECE  Mrs. G. Raja payesha AP/ECE Mrs.A.Geetha,AP/ECE Mrs.K.Divya,AP/ECE

1. Mrs.A.Geetha,AP/ECE

2. Mrs.G.Saranya,AP/ECE

Co-Ordinators

Dr.S.Karthigai Lakshmi

S.Karthigai  
HoD/ECE



## **SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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Dindigul – Palani Highway, Dindigul – 624 002

### **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **SEVEN DAYS INTERSHIP PROGRAMME**

**ON**

#### **FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS**

**PARTICIPANTS NAMELIST**

**COLLEGE NAME: ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN, PALANI**

**YEAR/DEPARTMENT:II/PHYSICS**

S. NO	REG. NO	PARTICIPANTS NAME
1	21PUPHA02	L.Arokya Sahana
2	21PUPHA03	S.Barkavi
3	21PUPHA04	M.Bharathi
4	21PUPHA05	S.Devaki
5	21PUPHA06	S.Dharani
6	21PUPHA07	S.Dheepalakshini
7	21PUPHA08	N.Gayathri
8	21PUPHA09	P.Gomathi
9	21PUPHA10	G.Harini
10	21PUPHA11	R.Harini
11	21PUPHA12	K.Janaki
12	21PUPHA13	K.Lekha Saranya
13	21PUPHA14	M.Megavarshini
14	21PUPHA15	S.Nathiya
15	21PUPHA16	T.Pooranikala
16	21PUPHA17	K.Priyadharshini
17	21PUPHA18	K.Ragavi
18	21PUPHA19	R.Ramyadevi
19	21PUPHA20	M.Rani
20	21PUPHA21	K.Sathyapriya
21	21PUPHA22	J.Shifa
22	21PUPHA23	R.Sowmiya
23	21PUPHA25	M.Sureka
24	21PUPHA26	M.Thrisha
25	21PUPHA27	P.Uma Maheswari
26	21PUPHA28	S.Vaishnavi
27	21PUPHA29	P.Vanija
28	20PUPHA12	J.Kaviya







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#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### SEVEN DAYS INTERSHIP PROGRAMME

ON

#### FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

#### PARTICIPANTS NAMELIST

COLLEGE NAME: ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN, PALANI

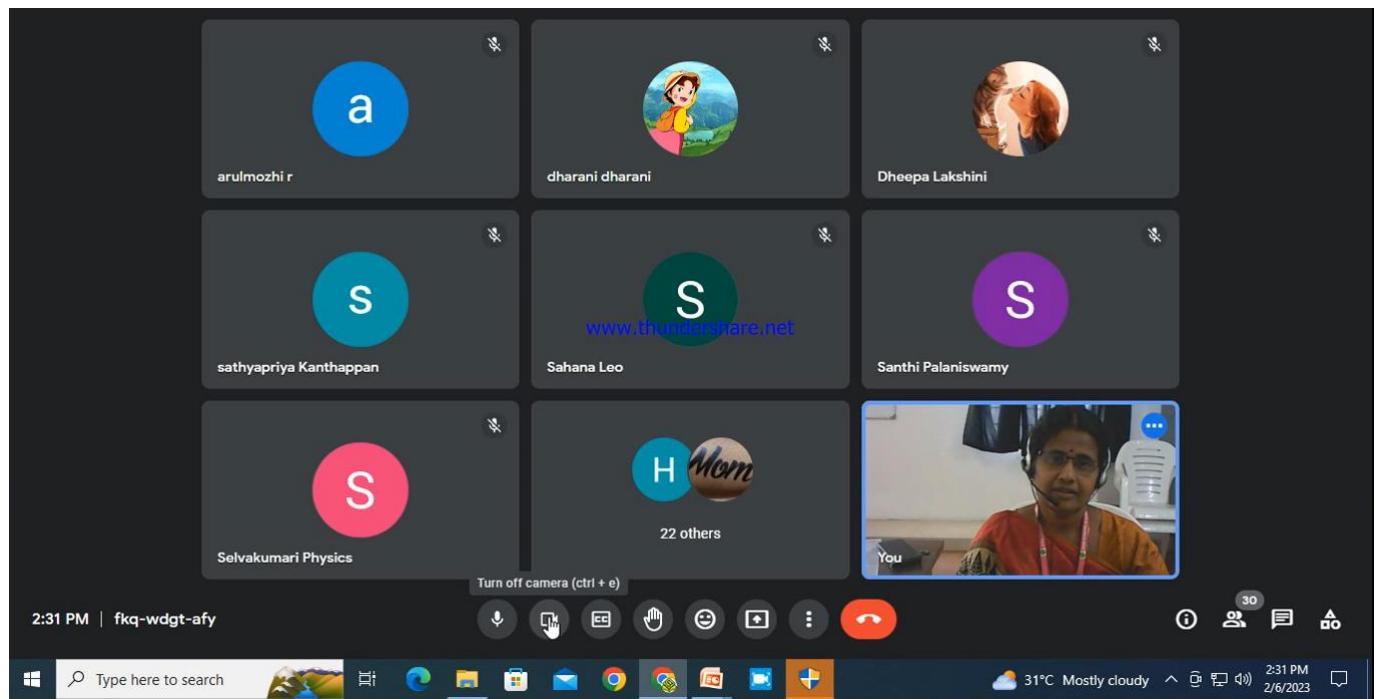
YEAR/DEPARTMENT:II/PHYSICS

S. NO	REG. NO	PARTICIPANTS NAME	SIGNATURE
1	21PUPHA02	L.Arokya Sahana	L. Arokya Sahana
2	21PUPHA03	S.Barkavi	S. Barkavi
3	21PUPHA04	M.Bharathi	AB
4	21PUPHA05	S.Devaki	S. Devaki
5	21PUPHA06	S.Dharani	S. Dharani
6	21PUPHA07	S.Dheepalakshini	S. Dheepalakshini
7	21PUPHA08	N.Gayathri	N. Gayathri
8	21PUPHA09	P.Gomathi	P. Gomathi
9	21PUPHA10	G.Harini	G. Harini
10	21PUPHA11	R.Harini	R. Harini
11	21PUPHA12	K.Janaki	AB
12	21PUPHA13	K.Lekha Saranya	K. Lekha Saranya
13	21PUPHA14	M.Megavarshini	M. Megavarshini
14	21PUPHA15	S.Nathiya	S. Nathiya
15	21PUPHA16	T.Pooranikala	T. Pooranikala
16	21PUPHA17	K.Priyadharshini	AB
17	21PUPHA18	K.Ragavi	K. Ragavi
18	21PUPHA19	R.Ramyadevi	R. Ramyadevi
19	21PUPHA20	M.Rani	M. Rani
20	21PUPHA21	K.Sathyapriya	K. Sathyapriya
21	21PUPHA22	J.Shifa	J. Shifa
22	21PUPHA23	R.Sowmiya	R. Sowmiya
23	21PUPHA25	M.Sureka	M. Sureka
24	21PUPHA26	M.Thrisha	M. Thrisha
25	21PUPHA27	P.Uma Maheswari	P. Uma -
26	21PUPHA28	S.Vaishnavi	AB.
27	21PUPHA29	P.Vanija	P. Vanija
28	20PUPHA12	J.Kaviya	J. Kaviya.

**SEVEN DAYS INTERNSHIP PROGRAMME**  
**ON**  
**FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS**  
**REPORT**

Department of ECE organized a seven days internship programme on “Fundamentals of optical fiber communication and its applications” for II year students of Department of Physics,Arulmigu Palaniandavar Arts College for women ,Palani. The internship was conducted successfully from 06-03-2023 to 13-03-2023.28 Students were benefitted .The seven days internship combines both theory and Practical hands-on session.

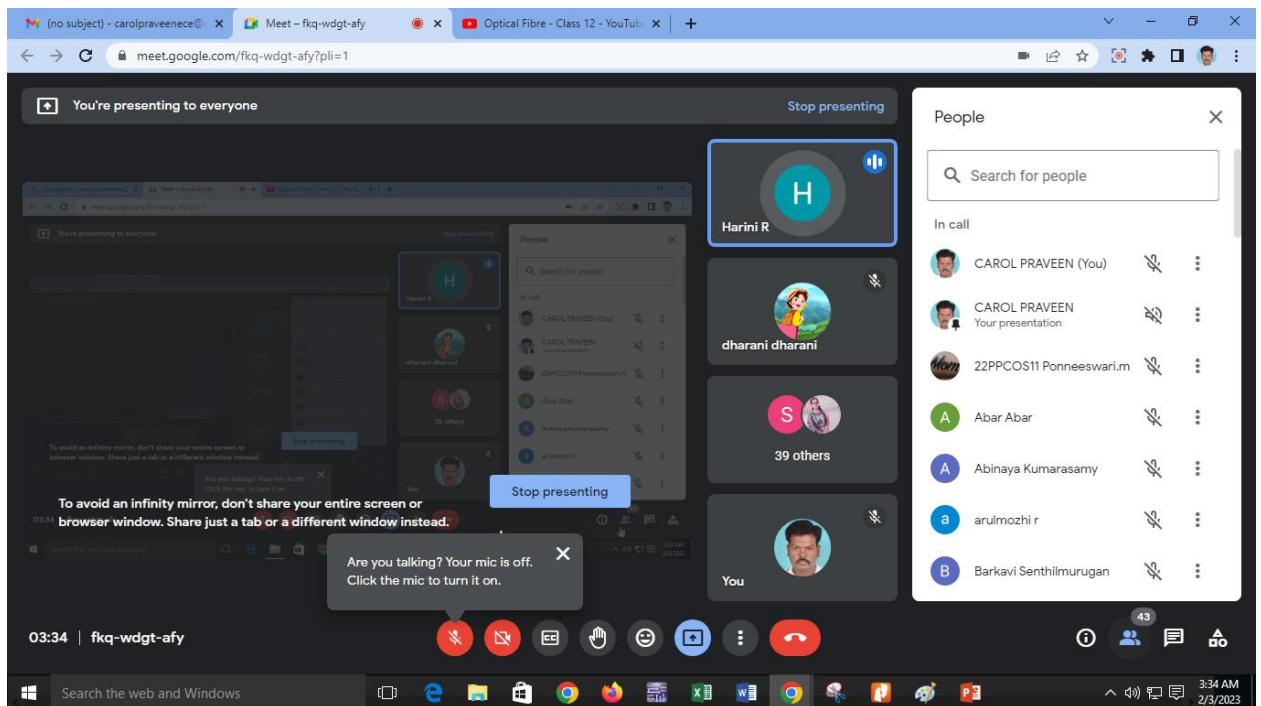
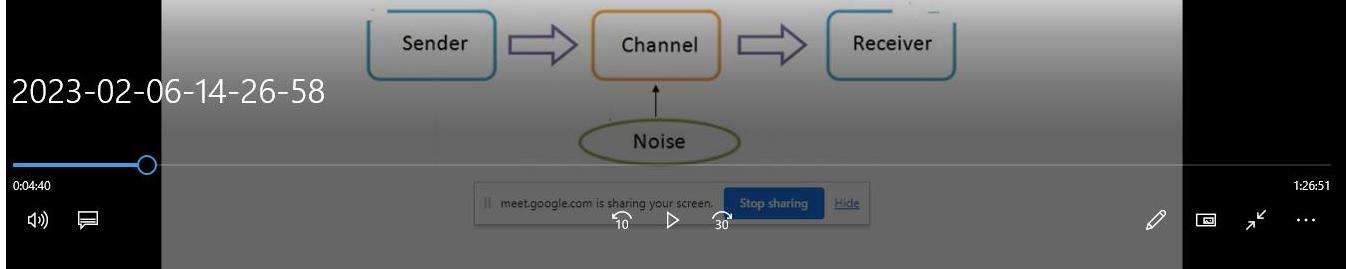
Basics of communication sysyem,Modulation techniques with applications,Demodulation techniques,Introduction to optical fibre communication,Introduction to opto -electronic devices,, Optical Sources-LED,LASER ,Classification Of Fibers, .These topics were taught to students by the faculty members during the session.Students from palani andavar college gave feedback that,they gained more knowledge from this internship.They have learnt the fundamentals of optical communication.



# COMMUNICATION

- Communication is the process of sharing or transferring an information from one place to another place or from source to destination.

[www.thundershare.net](http://www.thundershare.net)



## FEEDBACK FROM PARTICIPANTS

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

Name of participant: S. Devaki.

Participant Institute name: Arulmigu Palaniandavar Arts College, Palani

Participant department: Physics.

1. How useful did you think this Internship was for you?

(please circle the appropriate number where 1 = not at all useful and 5 = extremely useful)

1	2	3	4	5
---	---	---	---	---

2. Do you think the Lab session was appropriate?

Yes	No
-----	----

3. Did you receive all the information you required at this Internship?

Yes	No
-----	----

4. Drop your suggestion:

We gathered more ideas about Modulation.

S. Devaki  
SIGNATURE OF PARTICIPANT WITH DATE



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

Name of participant: S. Barkavi

Participant Institute name: Arulmigu palani andavar arts College,forwot

Participant department: Department of physics

1. How useful did you think this Internship was for you?

(please circle the appropriate number where 1 = not at all useful and 5 = extremely useful)

1	2	3	4	5 ✓
---	---	---	---	-----

2. Do you think the Lab session was appropriate?

Yes✓	No
------	----

3. Did you receive all the information you required at this Internship?

Yes✓	No
------	----

4. Drop your suggestion:

Really interesting and useful.

S. Barkavi . 30.5.23  
SIGNATURE OF PARTICIPANT WITH DATE

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS**  
**APPLICATIONS**

Name of participant: R HARINI

Participant Institute name: Azulmigu Palaniandavar Arts College for Women, Palni.

Participant department: Department of Physics.

1. How useful did you think this Internship was for you?

(please circle the appropriate number where 1 = not at all useful and 5 = extremely useful)

1	2	3	4	5
---	---	---	---	---

2. Do you think the Lab session was appropriate?

Yes	No
-----	----

3. Did you receive all the information you required at this Internship?

Yes	No
-----	----

4. Drop your suggestion:

Usefull and gathered ideas about optical communications

R. Harini. 30.5.23.

SIGNATURE OF PARTICIPANT WITH DATE



**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS**  
**APPLICATIONS**

Name of participant: L. Archya Bahana

Participant Institute name: Azulmigu Palaniandavar Arts College for Women

Participant department: II-BSc., Physics

1. How useful did you think this Internship was for you?

(please circle the appropriate number where 1 = not at all useful and 5 = extremely useful)

1	2	3	4	5
---	---	---	---	---

2. Do you think the Lab session was appropriate?

Yes	No
-----	----

3. Did you receive all the information you required at this Internship?

Yes	No
-----	----

4. Drop your suggestion:

It is Very useful. We learnt many things.

L. Archya Signature  
SIGNATURE OF PARTICIPANT WITH DATE

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS**

Name of participant: P.Gonpalli

Participant Institute name: Arulmigu Palaniandavar arts college for women

Participant department: B.Sc., Physics

1. How useful did you think this Internship was for you?  
 (please circle the appropriate number where 1 = not at all useful and 5 = extremely useful)

1	2	3	4	<input checked="" type="checkbox"/> 5
---	---	---	---	---------------------------------------

2. Do you think the Lab session was appropriate?

Yes <input checked="" type="checkbox"/>	No
-----------------------------------------	----

3. Did you receive all the information you required at this Internship?

Yes <input checked="" type="checkbox"/>	No
-----------------------------------------	----

4. Drop your suggestion:

It is very useful and gathered so many ideas

P.Gonpalli

30/3/23

SIGNATURE OF PARTICIPANT WITH DATE

  
**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS**

Name of participant: P. VANTHA

Participant Institute name: Arulmigu Palaniandavar arts college for women

Participant department: Physics

1. How useful did you think this Internship was for you?

(please circle the appropriate number where 1 = not at all useful and 5 = extremely useful)

1	2	3	4	<input checked="" type="checkbox"/> 5
---	---	---	---	---------------------------------------

2. Do you think the Lab session was appropriate?

Yes <input checked="" type="checkbox"/>	No
-----------------------------------------	----

3. Did you receive all the information you required at this Internship?

Yes <input checked="" type="checkbox"/>	No
-----------------------------------------	----

4. Drop your suggestion:

Usefull and gathered ideas about optical communications

P. Vantya

SIGNATURE OF PARTICIPANT WITH DATE

From

The Head of the Department  
Department of Physics  
Arulmigu Palaniandavar Arts College for Women  
Palani

To

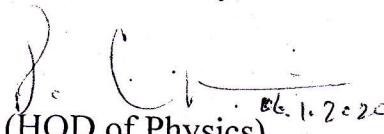
The Head of the Department  
Department of Electronics and Communication Engineering,  
SSM Institute of Engineering and Technology  
Dindigul.

Madam,

We extend our heartfelt gratitude for the consent you have given for the creation of **MOU** with your Department of ECE at your esteemed Institute and for the permission you have given for the conduct of the **Student's internship training program** for the III B.Sc Physics students (29 students). We thank for all the facilities you provided for the accompanying staff members and students for the successful completion of the Internship program. We express our thanks for the transport facilities you provided for the students. We are glad to inform you that the students felt that the training program was very useful and will be helpful for their regular practical classes in doing Electronics and Digital Electronics experiments.

Thanking You,

Yours faithfully,

  
(HOD of Physics) 06.01.2020

Palani  
06.01.2020



**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**INTERNSHIP TRAINING PROGRAM (17.12.2019 to 21.12.2019)**

**ATTENDANCE SHEET**

S.NO	NAME OF THE PARTICIPANT	YEAR/ DEPT	COLLEGE NAME					SIGNATURE
			17.12.19	18.12.19	19.12.19	20.12.19	21.12.19	
1	T.Nagalakshmi	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women,Palani	T.Nagalakshmi	T.Nagalakshmi	T.Nagalakshmi	T.Nagalakshmi	
2	T.Pavithra	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	T.Pavithra	T.Pavithra	T.Pavithra	T.Pavithra	
3	M.Pradeepa	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	M.Pradeepa	M.Pradeepa	M.Pradeepa	M.Pradeepa	
4	T.Yuvapriya	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	T.Yuvapriya	T.Yuvapriya	T.Yuvapriya	T.Yuvapriya	
5	G.Abirami	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	G.Abirami	G.Abirami	G.Abirami	G.Abirami	
6	R.Karthika	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	R.Karthika	R.Karthika	R.Karthika	R.Karthika	
7	P.Kavipriya	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	P.Kavipriya	P.Kavipriya	P.Kavipriya	P.Kavipriya	
8	S.Malathi	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	S.Malathi	S.Malathi	S.Malathi	S.Malathi	
9	M.Najira Banu	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	M.Najira Banu	M.Najira Banu	M.Najira Banu	M.Najira Banu	
10	P.Pandeeswari	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	P.Pandeeswari	P.Pandeeswari	P.Pandeeswari	P.Pandeeswari	
11	T.Pavithra	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	T.Pavithra	T.Pavithra	T.Pavithra	T.Pavithra	
12	K.Priyanka	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	K.Priyanka	K.Priyanka	K.Priyanka	K.Priyanka	
13	P.Renuka	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	P.Renuka	P.Renuka	P.Renuka	P.Renuka	
14	M.Sangavi	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	M.Sangavi	M.Sangavi	M.Sangavi	M.Sangavi	
15	A.Saranya	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	A.Saranya	A.Saranya	A.Saranya	A.Saranya	
16	R.Sinduja	III/B.Sc/Physics	Arulmigu PalaniAndavar Arts College For Women, Palani	R.Sinduja	R.Sinduja	R.Sinduja	R.Sinduja	

17	S.Sowdambika	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>S. Sowdambika</i>	<i>S. Sowdambika</i>	<i>S. Sowdambika</i>	<i>S. Sowdambika</i>
18	M.Syed Ali Fathima	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>M.Syedali Fathima</i>	<i>M.Syedali Fathima</i>	<i>M.Syedali Fathima</i>	<i>M.Syedali Fathima</i>
19	R.Vidhya	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>R.Vidhya</i>	<i>R.Vidhya</i>	<i>R.Vidhya</i>	<i>R.Vidhya</i>
20	N.Abinaya	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>N.Abinaya</i>	<i>N.Abinaya</i>	<i>N.Abinaya</i>	<i>N.Abinaya</i>
21	E.Anitha	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>E.Anitha</i>	<i>E.Anitha</i>	<i>E.Anitha</i>	<i>E.Anitha</i>
22	T.Barani	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>T.Barani</i>	<i>T.Barani</i>	<i>T.Barani</i>	<i>T.Barani</i>
23	V.Bhuvana	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>V.Bhuvana</i>	<i>V.Bhuvana</i>	<i>V.Bhuvana</i>	<i>V.Bhuvana</i>
24	P.Gowshalya	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>P.Gowshalya</i>	<i>P.Gowshalya</i>	<i>P.Gowshalya</i>	<i>P.Gowshalya</i>
25	K.Jeyashree	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>K.Jeyashree</i>	<i>K.Jeyashree</i>	<i>K.Jeyashree</i>	<i>K.Jeyashree</i>
26	P.Kanimozhi	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>P.Kanimozhi</i>	<i>P.Kanimozhi</i>	<i>P.Kanimozhi</i>	<i>P.Kanimozhi</i>
27	K.Kanishma	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>K.Kanishma</i>	<i>K.Kanishma</i>	<i>K.Kanishma</i>	<i>K.Kanishma</i>
28	M.Karthika	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>M.Karthika</i>	<i>M.Karthika</i>	<i>M.Karthika</i>	<i>M.Karthika</i>
29	B.Manjula	III/B.Sc/Physics	Arualmigu PalaniAndavar Arts College For Women, Palani	<i>B.Manjula</i>	<i>B.Manjula</i>	<i>B.Manjula</i>	<i>B.Manjula</i>



**SSM INSTITUTE OF ENGINEERING & TECHNOLOGY ,Dindigul -624 002.**

**Department of Electronics and Communication Engineering**

**Student Internship Training Program**

Internship training Program for around 35 students of Department of physics ,Arulmigu palaniandavar Arts College for women ,Palani is scheduled from 17.12.19 to 21.12.19 in order to enhance the basic knowledge and practical skills of students in the field of Electronics and Communication. The following faculty members are asked to engage the session for the 5 days.

**SESSION DETAILS**

<b>Topic to be Covered</b>	<b>Faculty Incharge</b>	<b>Signature</b>
<b>Digital Experiments</b>		
1 .Code converter <ul style="list-style-type: none"> <li>• Excess 3 to BCD</li> <li>• Binary to Gray</li> </ul> 2. Encoder,Decoder 3. Counter 4. Shift Register 5.Synchronous Counter 6. Astable Multivibrator-Timer 7. Schmitt Trigger-OPAMP 8. Inverting and Non inverting OPAMP 9. Low pass,High Pass,Band pass Filters	Dr. C. Sujatha,Asp/ECE Mrs.A.Geetha,AP/ECE Mrs. G.Saranya,AP/ECE	 6.24.19 13/12/19
<b>Analog Experiments</b>		
1.Analysis of FET-JFET 2. Study of CRO 3.Clipper and Clamper 4.Microprocessor <ul style="list-style-type: none"> <li>• 8-bit Addition</li> <li>• 8-bit Subtraction</li> <li>• 8-bit Division</li> </ul> 5 . Schmitt Trigger-OPAMP 6. Inverting and Non inverting OPAMP 7. Low pass,High Pass,Band pass Filters	Mrs.M.Jeyalakshmi,AP/ECE Mrs.A.Parameswari,AP/ECE Ms.T.Leela Priyadharsini,AP/ECE	 11/12/19 11/12/19 11/12/19

*S. Geetha*  
HoD/ECE 11/12/19

From

Dr.S.Karthigai Lakshmi,  
HOD/Department of ECE,  
SSM Institute of Engineering and Technology,  
Dindigul.

To

The Principal,  
SSM Institute of Engineering and Technology,  
Dindigul.

Sir,

Sub: Requisition for conducting students internship Training program -reg.

This is to bring your kind notice that, we have planned to conduct a Internship training Program for around 35 students of Department of physics, Arulmigu Palaniandavar Arts College for women, Palani from 17.12.19 to 20.12.19 .This internship will enhance the basic knowledge and practical skills of students in the field of Electronics and Communication .Kindly we request you to give permission for conducting the internship program.

Thank you

Date:5.12.19

Place: Dindigul.

Yours truly,

S-leetha  
5/12/19

S-leetha  
HOD/ECE

Tcd

PRINCIPAL  
arun



**ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN  
(AUTONOMOUS)**

Nationally Re-accredited with 'B++' Grade by NAAC  
Affiliated to Mother Teresa Women's University, Kodaikanal  
Chinnakalayamputhur, Palani – 624 615

**Dr. N. Puvaneswari, M.Sc.,M.Phil.,Ph.D.,  
Principal.**

**Date: 06.01.2020**

To :

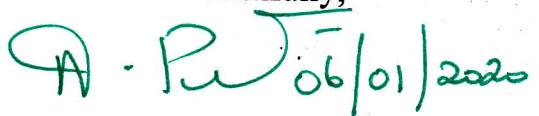
The Principal  
SSM Institute of Engineering and Technology  
Dindigul.

Sir,

We extend our heartfelt gratitude for the consent you have given for the creation of **MOU** with the Department of ECE of your esteemed Institute and the Department of Physics of our college. We also express our thanks for the permission you have given for the conduct of the **Student's internship training program** for the III B.Sc Physics students (29 students). We thank for all the facilities you provided for the accompanying staff members and students for the successful completion of the Internship program. We are glad to inform you that the students felt that the training program was very useful and will be helpful for their regular practical classes.

Thanking You,

Yours faithfully,

  
**(PRINCIPAL)**

From

Dr.S.Karthigai Lakshmi,  
HOD/Department of ECE,  
SSM Institute of Engineering and Technology,  
Dindigul.

To

The Principal,  
SSM Institute of Engineering and Technology,  
Dindigul.

Respected Sir,

Sub: Requisition for conducting Five days workshop-reg.

This is to bring your kind notice that, we have planned to conduct a Five days workshop on "Fundamentals Of Optical Fiber Communication And Its Applications" for the students of Department of physics ,Arulmigu palaniandavar Arts College for women ,Palani from 02.03.2022 to 07.03.2022 .This workshop will enhance the basic knowledge and practical skills of students in the field of optical communication. Kindly, we request you to give permission to conduct for the same.

Thanking you

Date :01.03.2022

Place : Dindigul.

Yours truly,

S. Duthie  
1/3/22

**Co-coordinators**

- 1.Mrs.A.Geetha, AP/ECE
- 2.Mr.R.Carol Praveen,AP/ECE

PRINCIPAL



## SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi/ Affiliated to Anna University, Chennai Accredited by NAAC)  
Dindigul – Palani Highway, Dindigul – 624 002

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### FIVE DAYS WORKSHOP

ON

#### FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

Five days workshop on “Fundamentals of optical fiber communication and its Applications” for students of Department of physics, arulmigu palaniandavar arts college for women, palani is scheduled from 02.03.2022 to 07.03.2022 in order to enhance the basic knowledge and practical skills of students in the field of optical communications. The following faculty members have been assigned to engage the session for the 5 days.

DATE	TOPICS TO BE COVERED	FACULTY INCHARGE
2.3.2022	Evolution Of Fiber,Fiber Analog Link And Digital Link,Tir,Acceptance Angle,Numerical Aperture	Mr.Carol Praveen,AP/ECE
3.3.2022	Classification Of Fibers	Dr.S.Karthigai Lakshmi,Prof & Head/ECE
3.3.2022	Generation of optical fiber communication	Mr.M.Prem Kumar,AP/ECE
4.3.2022	Practical Session	Mr.Carol Praveen,AP/ECE Mrs.G.Saranya,AP/ECE Mr.K .S.Arun Kumar,AP/ECE
5.3.2022	Signal Degradation in optical fiber	Mr.Carol Praveen,AP/ECE
7.3.2022	Optical Sources-LED,LASER Diode	Dr.M.Jeya Lakshmi,AP/ECE

1.Mrs.A.Geetha,AP/ECE  
Co-Ordinators 2. Carol Praveen  
1/3/22

1.Mrs.A.Geetha,AP/ECE

2. Mr.Carol Praveen,AP/ECE

Karthigai Lakshmi  
1/3/22  
HoD/ECE

Dr.S.Karthigai Lakshmi



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### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### FIVE DAYS WORKSHOP

ON

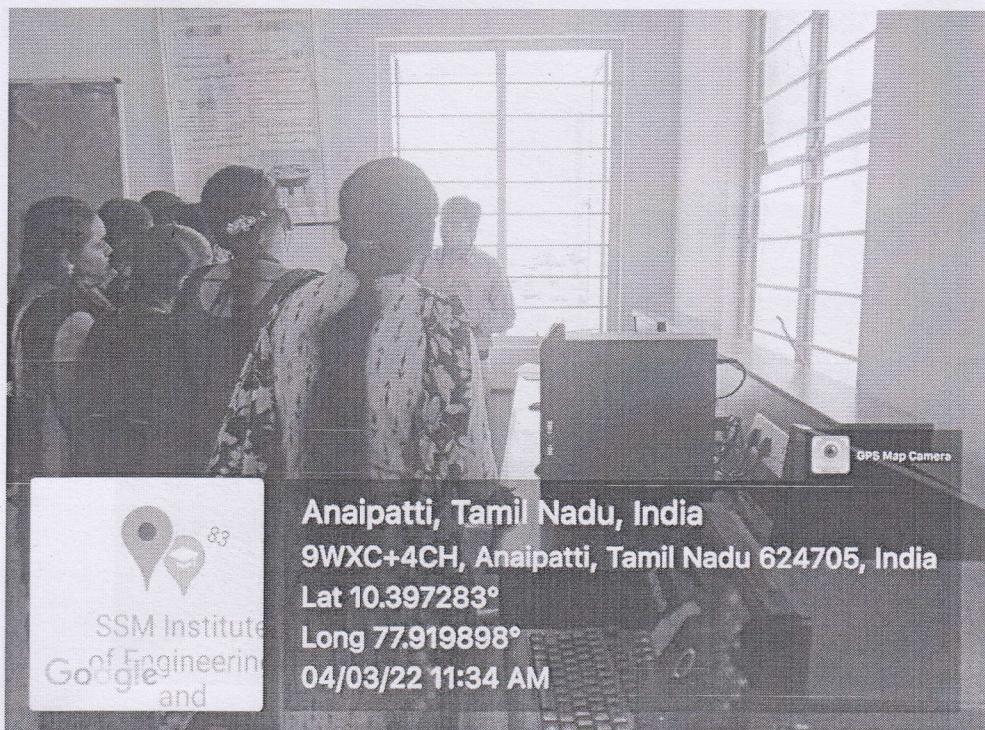
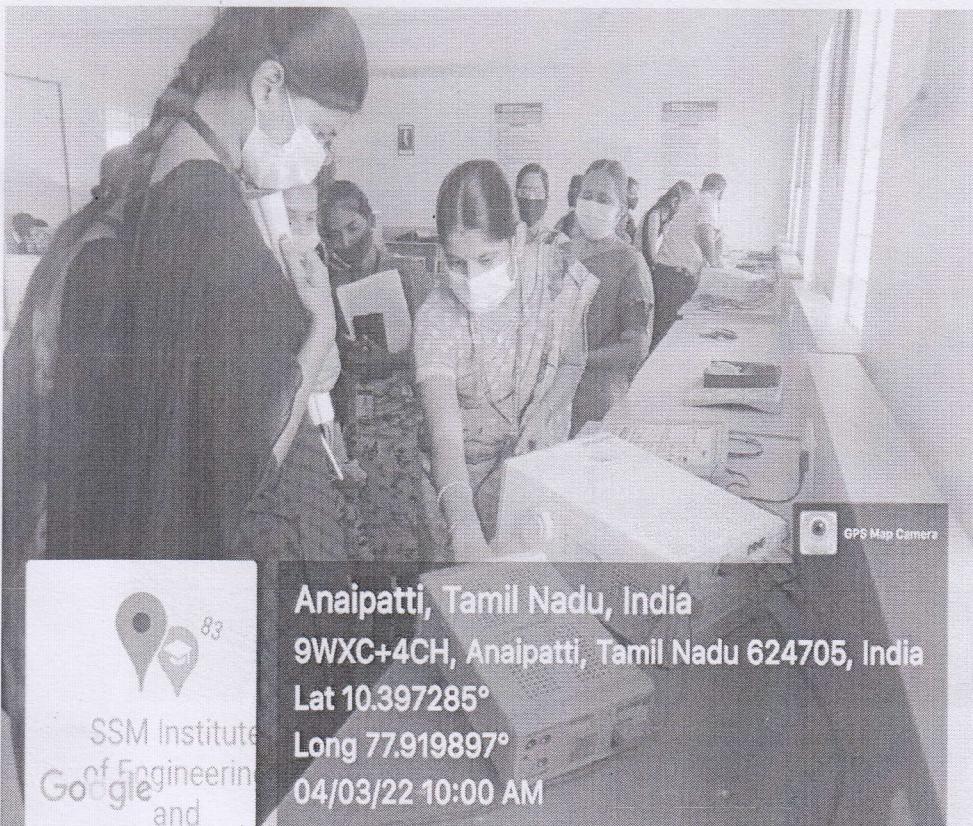
#### FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

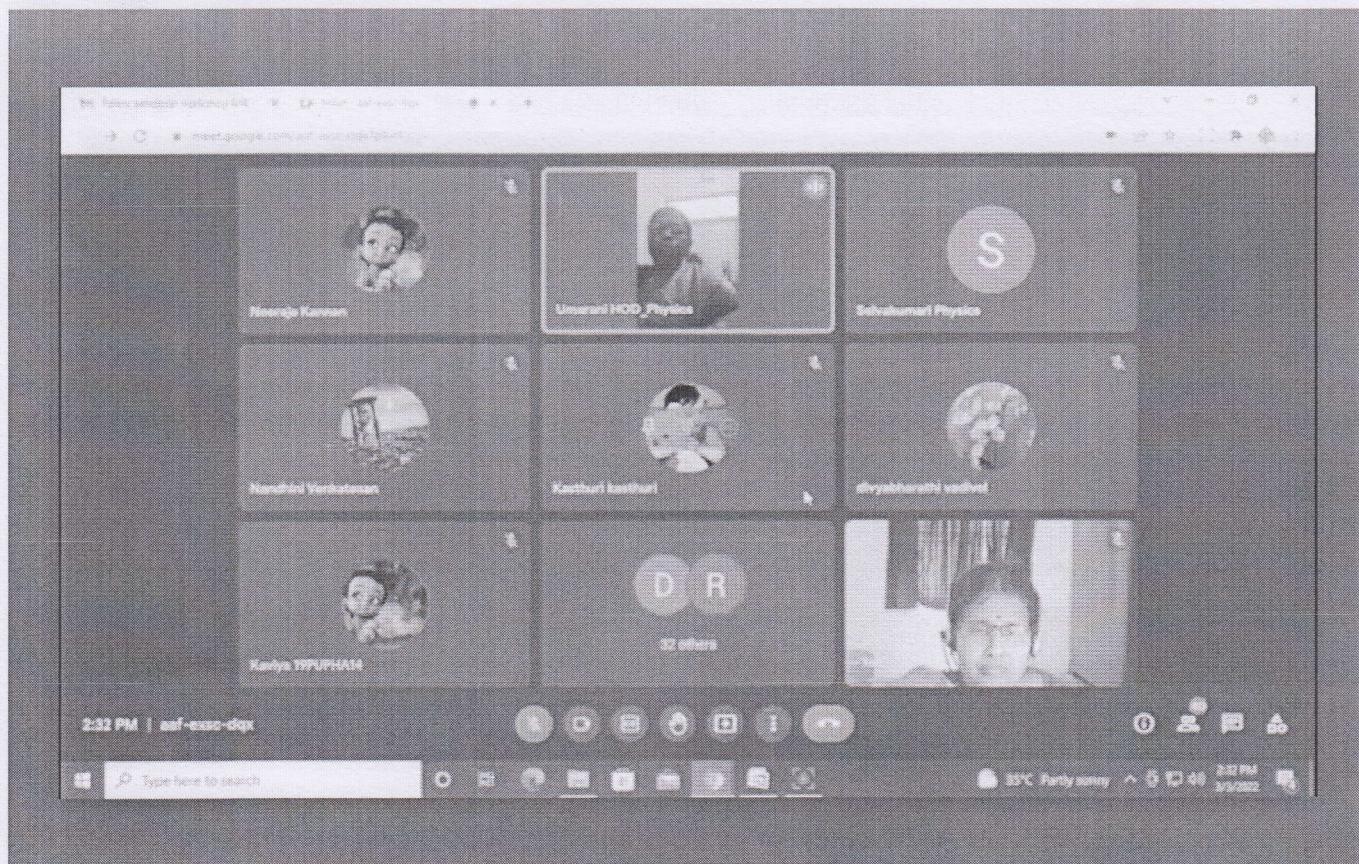
#### PARTICIPANTS NAMELIST

S. NO	REG. NO	YEAR/DEPARTMENT	COLLEGE NAME	PARTICIPANTS NAME
1	19PUPHA01			A.Angaleswari
2	19PUPHA02			S.Anjala
3	19PUPHA03			K.Baffrin Fathima
4	19PUPHA04			M.Bharathi
5	19PUPHA05			C.Dhanalakshmi
6	19PUPHA06			P.Dharani
7	19PUPHA07			V.DivyaBharathi
8	19PUPHA08			V.Gayathri
9	19PUPHA09			P.HariHarani
10	19PUPHA10			M.Hemadharshini
11	19PUPHA11			M.Karthika
12	19PUPHA12			R.Karthika
13	19PUPHA13			J.Kasthuri
14	19PUPHA14			M.Kaviya
15	19PUPHA15			S.Kowsalya
16	19PUPHA16			M.Mahalakshmi
17	19PUPHA17	III/ Physics	Arulmigu Palaniandavar Arts College For Women, Palani	M.Mekala
18	19PUPHA18			D.Nandhini
19	19PUPHA19			V.Nandhini
20	19PUPHA20			R.Narmatha
21	19PUPHA21			R.Nasrin Banu
22	19PUPHA22			K.Neeraja
23	19PUPHA24			K.Nivetha
24	19PUPHA25			M.Pavithra
25	19PUPHA26			S.Priya
26	19PUPHA27			M.Priyadharshni
27	19PUPHA28			M.Rabiyathul Basarin
28	19PUPHA31			B.Sethulakshmi
29	19PUPHA32			S.Sowmiya
30	19PUPHA33			N.Subhashini
31	19PUPHA34			N.Thaslima Nasrin
32	19PUPHA35			A.Vaishnavi
33	19PUPHA36			K.Venkadeswari
34	19PUPHA37			M.Yuvakanaka

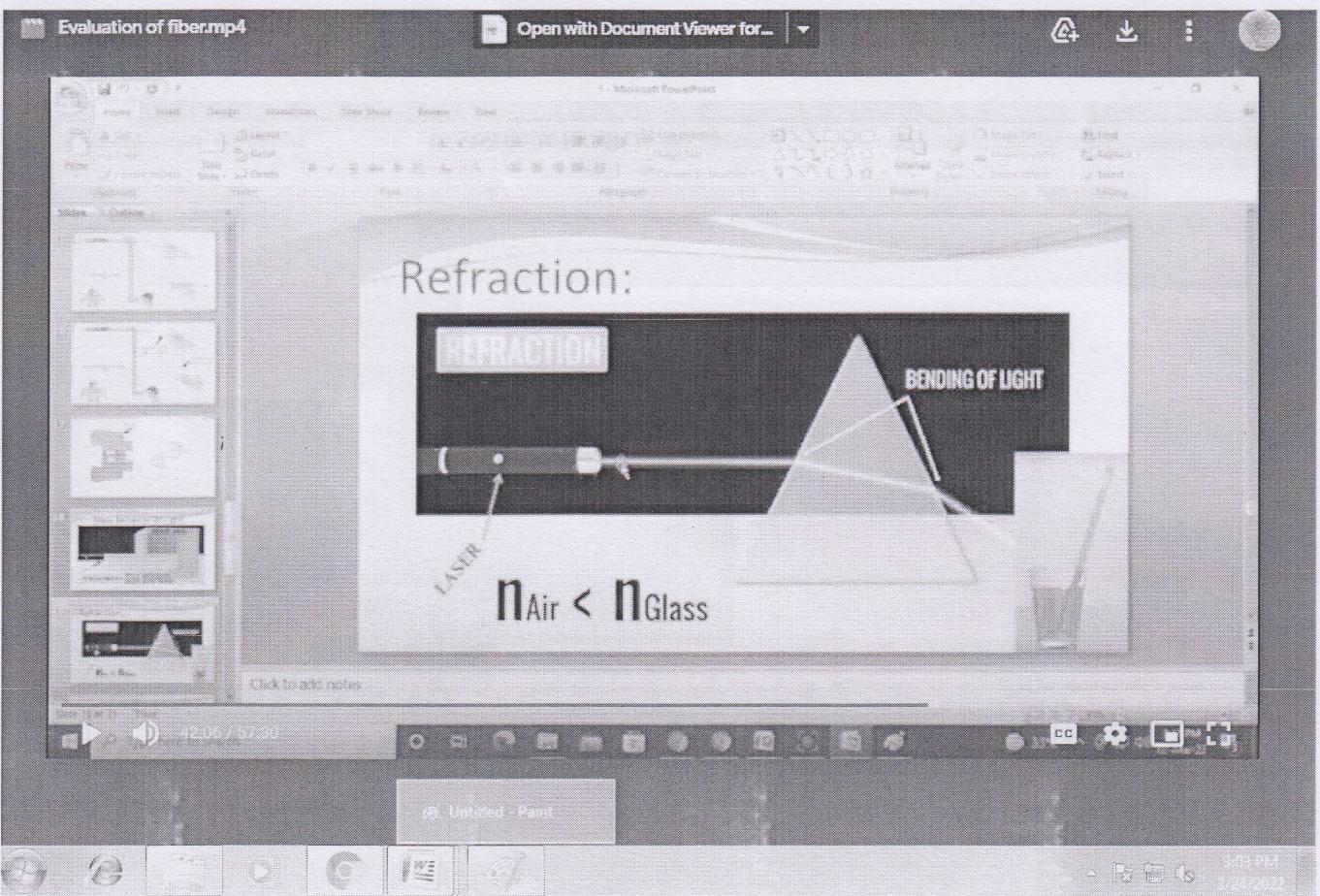
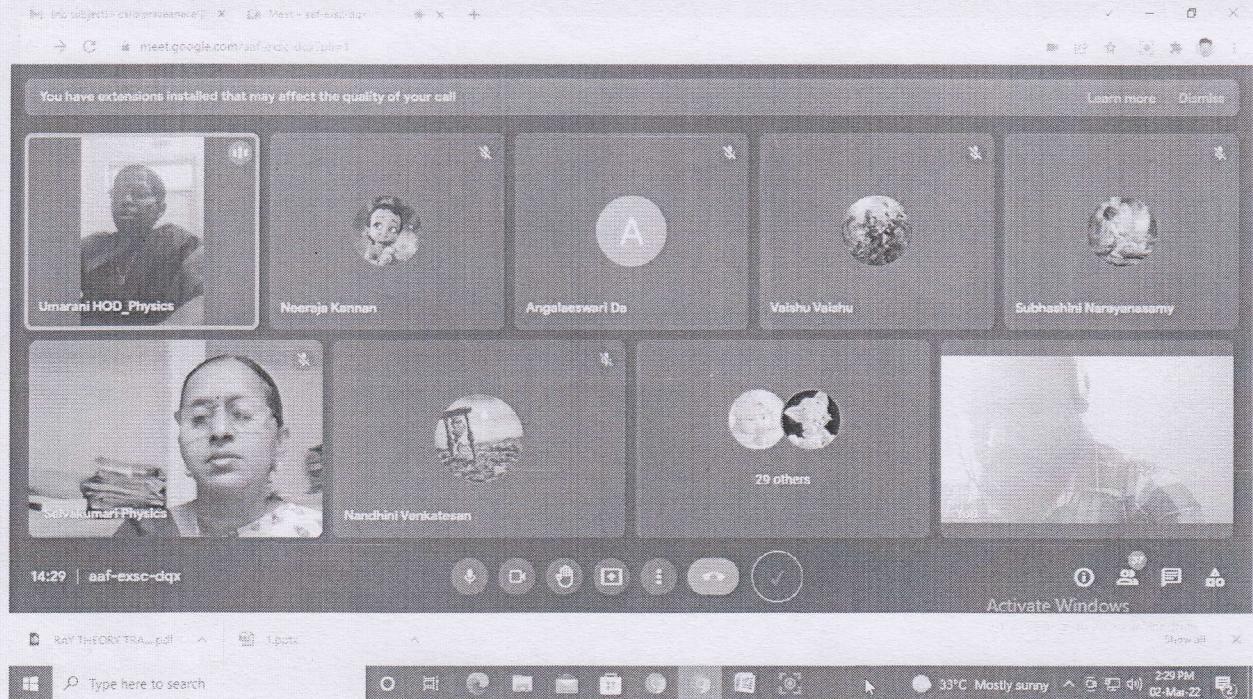








A screenshot of a Google Meet video conference. A presentation slide titled "Important facts about Fiber Optics" is displayed on the left side of the screen. The slide features a title, a logo for COSSM, and a photograph of several fiber optic cables. On the right side of the screen, there is a grid of participant thumbnails. The top row includes: Umashri HOD Physics (video thumbnail), Sivakumar Physics (profile picture), and Praveen Kumar (profile picture). The second row includes: Kasturi kasturi (video thumbnail) and Hari Hariharan (profile picture). Below the grid is a toolbar with various video and audio controls. At the bottom of the screen, the status bar displays the time as 2:24 PM and the date as 3/26/2022. A message bubble in the bottom right corner says: "Your screen is still visible to others. Click to resume or cancel your presentation."



## FEEDBACK FROM PARTICIPANTS

Register No	Name of the student	1.Did this workshop meet your expectation	2.Whether the workshop was interactive	3.Knowledge gained from this workshop is	4.Was the workshop well organized	5.The Content delivered by the instructor were clear and understood	6.Overall, How satisfied were you with this workshop?	7.Was the Practical sessions were well explained	General comments
19PUPHA19	V.Nandhini	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	This workshop is very useful for us.
19PUPHA12	R.Karthika	Yes	Yes,It was interactive	Excellent	Excellent	Good	Very Satisfied	Excellent	Very useful for me
19PUPHA32	S. Sowmiya	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Great
19PUPHA32	S. Sowmiya	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Good
19PUPHA09	P. Hari harani	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Nil
19PUPHA01	D.Angalaeswari	Yes	Yes,It was interactive	Excellent	Good	Good	Very Satisfied	Excellent	Knowledge gained
19PUPHA12	R.Karthika	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Very useful to me
19PUPHA36	K. Venkadeswari	Yes	Yes,It was interactive	Excellent	Good	Excellent	Satisfied	Good	Good.
19PUPHA17	M.Megala	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Thank you so much for organise this internship programme it's very use full
19PUPHA11	Karthika.M	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	It is very useful
19PUPHA31	B.Sethu Lakshmi	Yes	Yes,It was interactive	Excellent	Good	Excellent	Very Satisfied	Excellent	Very useful
19PUPHA04	M.Bharathi	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Very useful
19PUPHA24	K. Nivetha	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Satisfied	Excellent	Thank you sir Workshop is wonderful opportunity thank you..
19PUPHA15	s.kowsalya	Yes	Yes,It was interactive	Good	Good	Good	Satisfied	Excellent	
19PUPHA25	M.Pavithra	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Outstanding
19PUPHA18	D.Nandhini	Yes	Yes,It was interactive	Good	Good	Good	Satisfied	Good	It was very useful to know about optical fibres
19PUPHA27	R.Priyadarshini	Yes	Yes,It was interactive	Excellent	Good	Excellent	Very Satisfied	Excellent	Thank you for the opportunity
19PUPHA34	N.Thaslima Nasrin	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	The workshop was very Useful. So many things about Fiber optics learned from this workshop.
19PUPHA03	K. Baffrin Fathima	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	It is very useful to me . Thank you very much for all instructors.

19PUPHA13	J.Kasthuri	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	No
19PUPHA05	C. Dhanalakshmi	Yes	Yes,It was interactive	Good	Good	Good	Satisfied	Good	Overall satisfied this workshop
19PUPHA16	M.Mahalakshmi	Yes	Yes,It was interactive	Excellent	Excellent	Good	Satisfied	Excellent	Over all satisfied this workshop
19PUPHA14	M.Kaviya	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Overall satisfied this workshop.
19PUENA36	M.Rabiyathul basaria	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Nil
19PUPHA20	R. Narmatha	Yes	Yes,It was interactive	Excellent	Excellent	Good	Satisfied	Good	All are good
19PUPHA08	V.Gayathri	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Excellent
19PUPHA22	K.Neeraja	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Very nice and very useful
19PUPHA37	M.Yuvaganaka	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	It was very useful and we have gained more knowledge not only by teaching theories ,the practical session is very helpful to connect with theories.
19PUPHA13	J.Kasthuri	Yes	Yes,It was interactive	Excellent	Excellent	Good	Very Satisfied	Excellent	Excellent
19PUPHA35	Vaishnavi A	Yes	Yes,It was interactive	Good	Good	Excellent	Very Satisfied	Excellent	Excellent
19PUPHA21	R.Nasrinbanu	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	I like this worship and its useful for my studies.
19PUPHA10	Hemadharshini M	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	The session was very useful to us
19PUPHA26	S.Priya	Yes	Yes,It was interactive	Good	Good	Excellent	Satisfied	Good	Very Useful
19PUPHA07	V.Divyabhara thi	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Excellent
19PUPHA02	S.Anjala	Yes	Yes,It was interactive	Good	Good	Excellent	Very Satisfied	Good	Excellent
19PUPHA19	V.Nandhini	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	It is very useful.
19PUPHA33	N.Subhashini	Yes	Yes,It was interactive	Good	Excellent	Excellent	Satisfied	Excellent	Excellent
19PUPHA32	S. Sowmya	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Good