



**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  
2. Mr.Carol Praveen, AP/ECE

1. Mrs.A.Geetha, AP/ECE

2. Mr.Carol Praveen, AP/ECE

*[Signature]*  
HoD/ECE

Dr.S.Karthigai Lakshmi



**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.

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.

**Co-coordinators**

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

Yours truly,

*S. D. Senthil Kumar*  
1/3/22



*Dr.D.Senthil Kumar*  
Dr.D.SENTHIL KUMARAK, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002

PRINCIPAL



*Dr.D.*  
**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)**  
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 Pannai Road, Dindigul - 624 002.





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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### FIVE DAYS WORKSHOP

ON

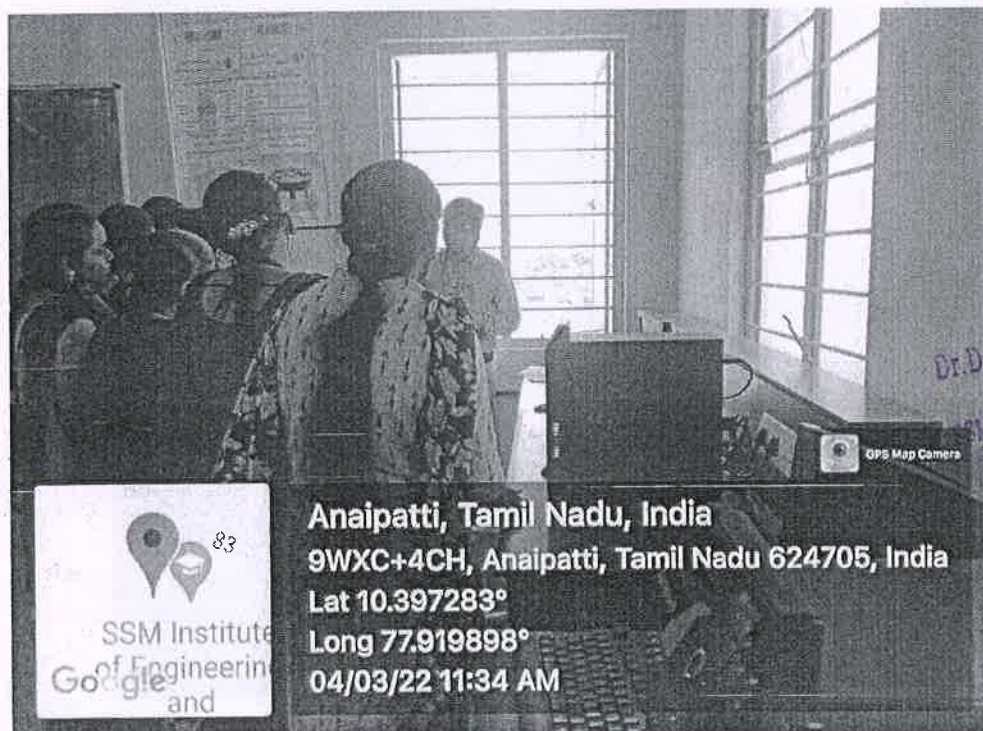
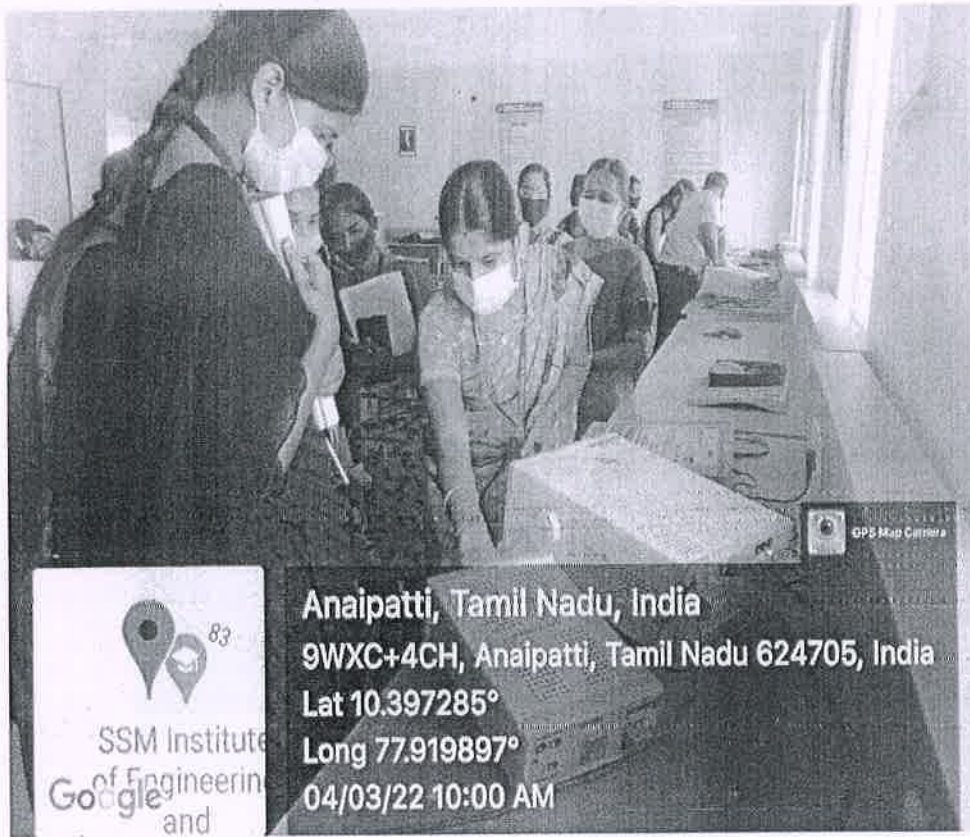
## FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

### PARTICIPANTS NAMELIST

S. NO	REG. NO	YEAR/DEPARTMENT	COLLEGE NAME	PARTICIPANTS NAME
1	19PUPHA01	III/ Physics	Arulmigu Palaniandavar Arts College For Women, Palani	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			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



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (MSS)  
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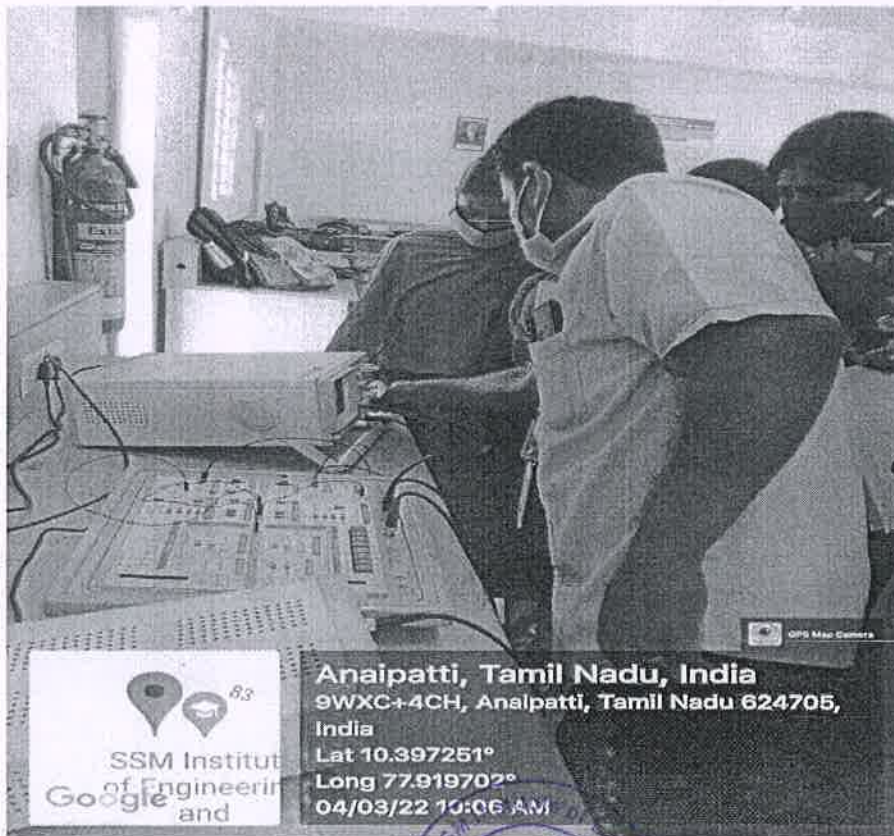
Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (NU)  
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Attathupatti Village, Sindalagundu (Pol)  
Palani Road, Dindigul - 624 002.







Anaipatti, Tamil Nadu, India  
 9WXC+4CH, Anaipatti, Tamil Nadu 624705, India  
 Lat 10.397424°  
 Long 77.919876°  
 04/03/22 09:58 AM



Anaipatti, Tamil Nadu, India  
 9WXC+4CH, Anaipatti, Tamil Nadu 624705, India  
 Lat 10.397251°  
 Long 77.919702°  
 04/03/22 10:06 AM



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 Principal  
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*Handwritten signature in green ink.*

**FIVE DAYS WORKSHOP**  
**ON**  
**FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS**  
**REPORT**

Department of ECE organized a 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. The workshop was conducted successfully from 02-03-2022 to 07-03-2022. 34 Students were benefitted. The five days workshop combines both theory and Practical hands-on session.


Evolution Of Fiber, Fiber Analog Link And Digital Link, Classification Of Fibers, Generation of optical fiber communication, Signal Degradation in optical fiber, Optical Sources-LED, LASER Diode. 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 workshop. They have learnt the fundamentals of optical communication.

**Google Meet:**

Meet.google.com/aaf-exsc-dqx

Total no of participants : 34



  
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## DEPARTMENT OF ECE

## FIVE DAYS WORKSHOP

ON

## FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

YEAR/DEPARTMENT: III/ PHYSICS

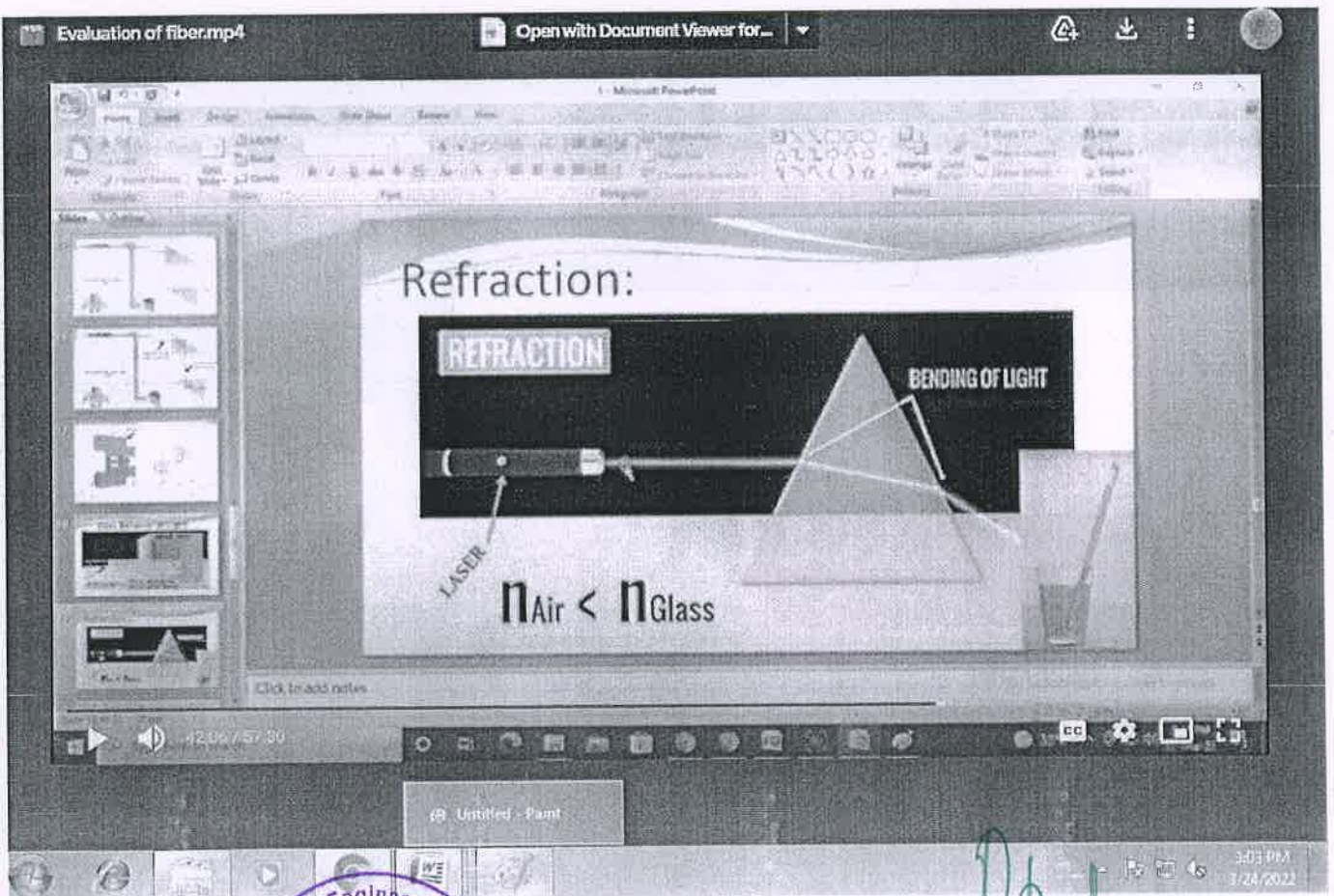
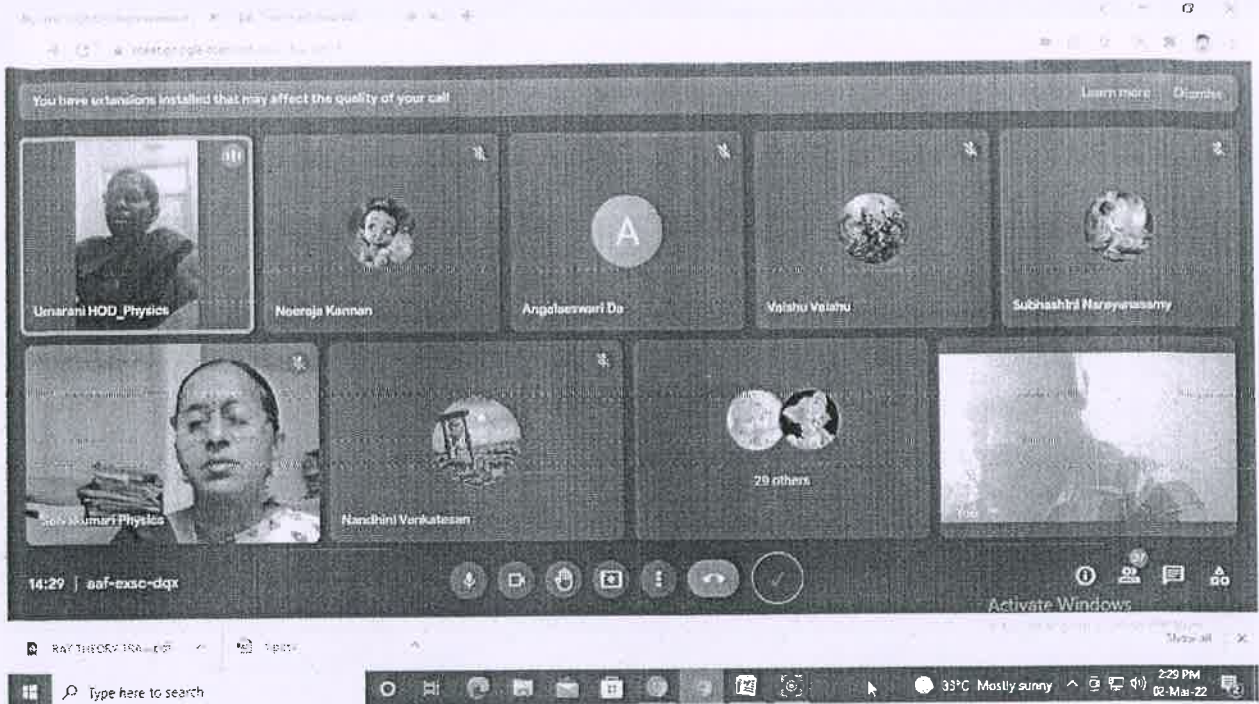
COLLEGE NAME: ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN, PALANI

S. NO	REG. NO	PARTICIPANTS NAME	2.3.2022	3.3.2022	4.3.2022	5.3.2022	7.3.2022
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	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	/	/	/	/	/
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	/	/	/	/	/



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*Dr.D.Senthil Kumaran*

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**Important facts about Fiber Optics**

- Fiber Optics Dates Way Back to the Roman Empire
- Fiber Optics Communication is Staggeringly Fast
- Fiber Optics Are Anything but Fragile
- Fiber Optics is a Sustainable Technology
- Fiber Optics are Supremely Secure

SSM Institute of Technology

Dr.D.Senthil Kumaran, M.E., Ph.D., (NUS)

Professor of Engineering and Technology

SSM Institute of Technology

SSM Village, Dindigul - 624 002.

19PUPHA13	J.Kasthuri	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	No
19PUPHA05	M.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
									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.
19PUPHA37	M.Yuvaganak a	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	
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. Sowmiya	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	Good



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Signature

## 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 or were clear and understood	6.Overall I,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 oppertunity 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.Priyadharshini	Yes	Yes,It was interactive	Excellent	Good	Excellent	Very Satisfied	Excellent	Thank you for tha 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. It is very useful to me . Thank you very much for all instructors.
19PUPHA03	K. Baffrin Fathima	Yes	Yes,It was interactive	Excellent	Excellent	Excellent	Very Satisfied	Excellent	

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