



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SEVEN DAYS INTERNSHIP PROGRAMME

ON

FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

Date: 06.02.2023 To 13.03.2023

INDEX		
S. No.	Content	Page No.
1	Circular	2
2	Session Details	3
3	Participants Name list	4
4	Photos	5
5	Participants Attendance	7
6	Report	8
7	Feed Back from participants	10

A. C. K.

CO-ORDINATORS

Mrs.A.Geetha,AP/ECE

Mrs.G.Saranya,AP/ECE

S. Kethu

HOD/ECE

D. D. S.

PRINCIPAL



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Principal

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(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 INTERSHIP 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, Arulmigu Palaniandavar Arts College for Women, Palani is scheduled from 06.02.2023 to 13.03.2022 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 7 days.

DATE	TOPICS TO BE COVERED	FACULTY INCHARGE
6.02.2023	Introduction Communication Systems	Dr.S.Karthigai Lakshmi, Prof & Head/ECE
7.02.2023	Modulation Techniques with Applications	Dr.S.Karthigai Lakshmi, 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.Carol Praveen, AP/ECE
11.02.2023	Optical Sources - LASER and LED	Dr.M.PremKumar, AsP/ECE
13.02.2023	Practical Session Communication Systems Lab	Mrs. P. Karthi KO, AP/ECE Mrs.R.Sangeetha, AP/ECE Mrs.S.Abirami, AP/ECE
	Optical Communication Lab	Mrs. G. Raja, p. eshwar, AP/ECE Mrs.A.Geetha, AP/ECE Mrs.K.Divya, AP/ECE

1. A. G. I. 21/2/23
2. B. C. P. 21/2/23
Co-Ordinators

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

Dr. S. Karthigai Lakshmi
21/2/23
HoD/ECE

Dr.S.Karthigai Lakshmi



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SEVEN DAYS INTERSHIP PROGRAMME

ON

FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

PARTICIPANTS NAMELIST

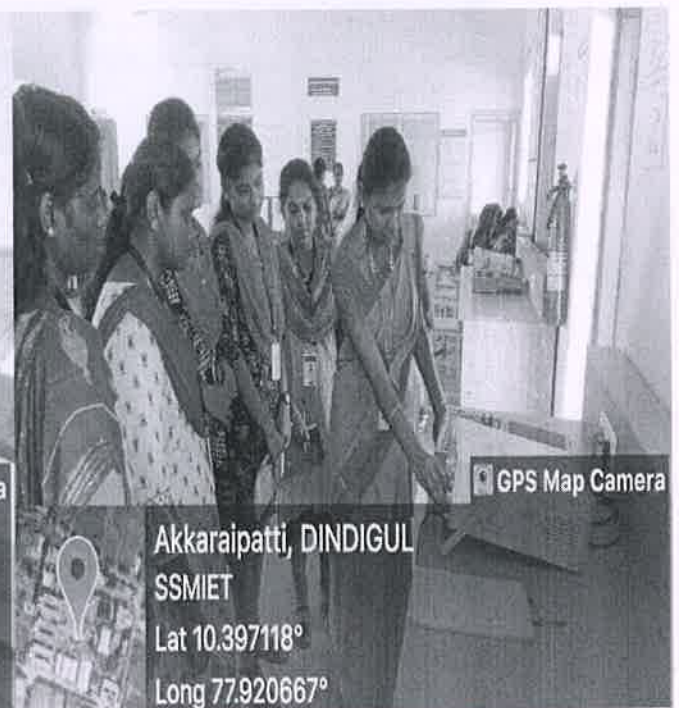
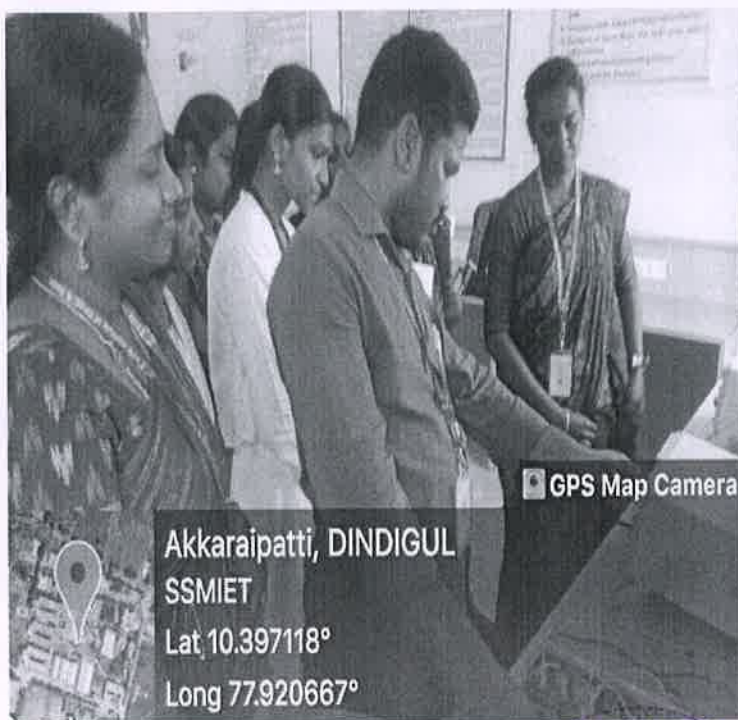
COLLEGE NAME: ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN, PALANI

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.Sathiyapriya
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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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.Arokyia Sahana	L. Arokyia Sahana
2	21PUPHA03	S.Barkavi	S. Barkavi
3	21PUPHA04	M.Bharathi	AB
4	21PUPHA05	S.Devaki	P. 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	Lekha Saranya
13	21PUPHA14	M.Megavarshini	M. Megavarshini
14	21PUPHA15	S.Nathiya	S. Nathiya
15	21PUPHA16	T.Poornikala	T. Poornikala
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.Sathiyapriya	K. Sathiyapriya
21	21PUPHA22	J.Shilfa	J. Shilfa
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 Maheswari
26	21PUPHA28	S.Vaishnavi	AB
27	21PUPHA29	P.Vanija	P. Vanija
28	20PUPHA12	J.Kaviya	J. Kaviya





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**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 11 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 system, 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.

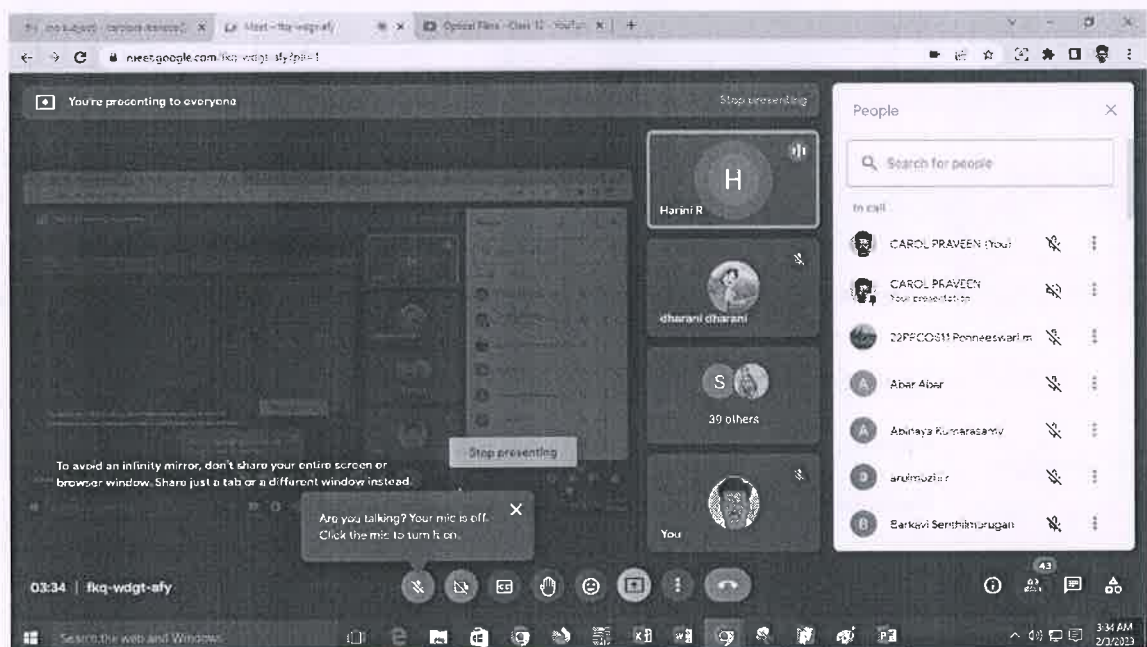
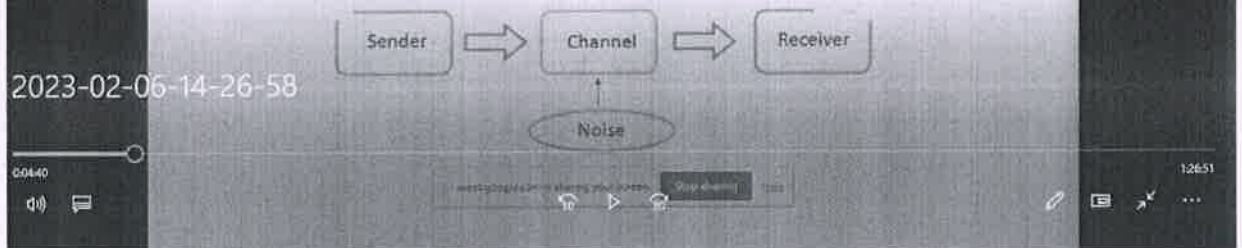



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COMMUNICATION

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

www.thundershare.net



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FEEDBACK FROM PARTICIPANTS

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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



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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 for women

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



Dr. D. Senthil Kumaran

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INTERNSHIP PROGRAMME ON FUNDAMENTALS OF OPTICAL FIBER COMMUNICATION AND ITS APPLICATIONS

Name of participant: R. Himani
Participant Institute name: Azadique Palaniandavar Arts College for Women, Palani
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
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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. Himani 30.3.23.

SIGNATURE OF PARTICIPANT WITH DATE

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

Name of participant: L. Arokyaa Bahana
Participant Institute name: Azadique 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
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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. Arokyaa Bahana
SIGNATURE OF PARTICIPANT WITH DATE



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(C3- KARAN 2)

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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	5
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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 and gathered in many ideas

P. Gopaldas
30/3/23
SIGNATURE OF PARTICIPANT WITH DATE

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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	5
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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:

Useful and gathered ideas about optical communications

P. Vant
SIGNATURE OF PARTICIPANT WITH DATE



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