



SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

FIELD VISIT

REPORT

2021- 2022



SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY
AMARAVATHIPUTHUR, KARAİKUDI - 630301

To

The Regional Officer,
BSNL Headquarters,
NO 22, Netaji Road,
opposite to Karaikudi New Bus Stand Road,
Karaikudi,
Sivagangai Dist,
Tamil Nadu- 630301

Dear Sir,

Subject: Permission For Field visit - Regarding

Sri Raaja Raajan College of Engineering and Technology, Karaikudi is one of the most reputed Engineering Institutions in Tamil Nadu and known for its excellent record in academics and co-curricular activities. The College offers Bachelor degree course in ECE, CSE, EEE, CIVIL, MECH. The state of the art facilities and competent faculty provide an excellent opportunity for the all round development of the students.

As a part of the curriculum, the students are required to undertake field visits to a few industries of repute. We feel it will be fruitful that the students with academic background have a glimpse of the industry in order to have a better appreciation of practical applications of theory.

In the above background, we would like to send a batch of about 30 Members (28 Students + 2 Staff) of Electrical & Electronics Engineering branch of III and IV Year accompanied by staff members to visit your esteemed industry . We seek your approval for a **“Field Visit” either 10.02.2022 (Friday) / 11.02.2022(Saturday), if permissible or any date of your convenience.**

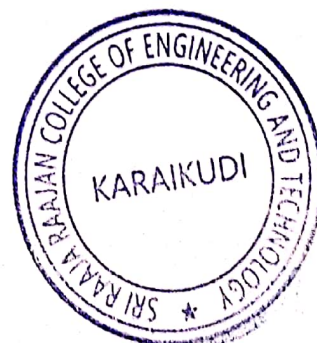
I request you, to kindly accord the necessary permission for the above visit and arrange for guiding the students. We assure you that our students will observe the rules and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

Expecting a favorable reply,

Kindly send your confirmation either phone 73737 11316 or email to srrcethodeee@gmail.com.

Thanking You


HOD/EEE



SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF EEE

FIELD VISIT (2022)

VENUE: BSNL ,KARAIKUDI

An industrial visit to BSNL was scheduled for III & IV year students of Electrical and Electronics Department on 10/02/22. Total of 28 students attended the visit. The students into three groups and each group were thought about different modules namely switching, transmission and MDF (Main distribution function). In switching module, students learnt on practical aspects of call making and receiving. They were thought on how to create the calling number and how to check the dial tone. In transmission module, students were briefed about OFC communication and its uses, advantages, applications. The students were shown the real cables and its working procedure. In the MDF module, students learnt about the requirement of main distribution function. They were briefed about line side and exchange side of MDF. The students were shown the functioning parts of distribution unit.

A telephone exchange consists of 4 functional blocks: 1) SWITCH ROOMS 2) MDF (Main Distribution Frames) 3) TRANSMISSION ROOMS 4) TELECOM SUPPORT INFRASTRUCTURE.

1) SWITCH ROOMS:

- a) It consists of digital electronic switches which guides the user to the destination by identifying a physical communication path.
- b) This identification is done with the help of logical or directory numbers. c) We were shown, how the switches work in real time, with an operating terminal.

2) MDF (MAIN DISTRIBUTION FRAME)

- a) All subscriber lines are terminated at the end of MDF.
- b) It consists of front (line) end and a back (switch) end which are interconnected with the help of a jumper.



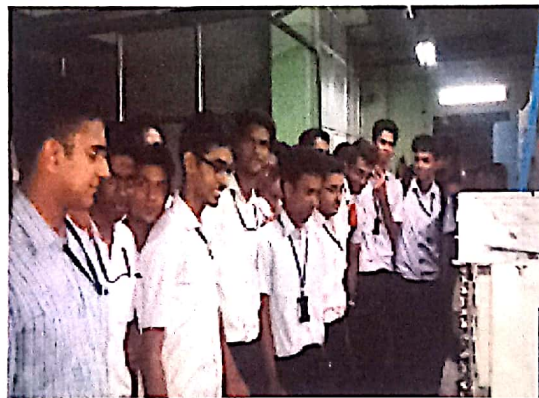
c) A safety point is created in MDF to avoid any damages caused due to faults at the customer end. The jumper of an MDF consists of gas discharge tubes which eliminates the faults.

3) TRANSMISSION ROOMS:

a) The main function of transmission rooms is the interconnection of 2 exchanges within or outside the town. It involves optical fibre communication.

b) Voice signals are first identified. 30 voice channels are combined with the help of first order European multiplexers which can handle a speed of 2.048Mbps.

c) Pulse Code Modulation of voice signals are carried out along with digitization. Voice signals of frequency 0-4 KHz are converted to 64Kbps. The industrial visit was very helpful in providing us a better understanding of the theoretical concepts of the subject Digital Switching Systems.





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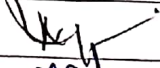

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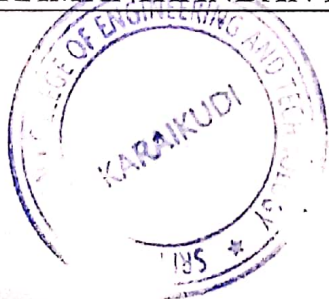
**FIELD VISIT
STUDENTS LIST
2021- 2022**

LIST OF STFF MEMBERS

S.NO	NAME OF THE STAFF	SIGNATURE
1.	MRS.N.RAJESHWARI	
2.	MRS.MINARVADEVI	

LIST OF STUDENTS

S.NO	NAME OF STUDENTS	YEAR	SIGNATURE
1.	AATHIVISHNU.K	III YEAR	Aathi vishnu K.
2.	BANU.P	III YEAR	P. Banu
3.	KALISHWARAN.R	III YEAR	R. Kalishwar
4.	KANNAN.M	III YEAR	M. Kannan
5.	MARIA ESEK EBIRON.A	III YEAR	A. Maria Esek
6.	MURUGAN.K	III YEAR	K. Murugan
7.	NAVEEN KUMAR.N	III YEAR	N. Naveen Kumar
8.	PABIN.A	III YEAR	A. Pabin
9.	PRAKASH.V	III YEAR	V. Prakash
10.	SATHIYA BIRLA.M	III YEAR	M. Sathiya Birla
11.	SELVAGANESH.R	III YEAR	R. Selvaganesh
12.	SUBASHINI.M	III YEAR	M. Subashini
13.	TAMILARASAN.V	III YEAR	V. Tamilarasan
14.	KAYATHRI.B	III YEAR	B. Kayathri
15.	MANIKANDAN.C	III YEAR	C. Manikandan
16.	NAGADEVAN.S	III YEAR	S. Nagadevan
17.	SELVAKUMAR.S	III YEAR	S. Selvakumar
18.	ILANDEVAN S	II YEAR	S. IlanDEVAN
19.	KALEESWARAN S	II YEAR	S. Kaleeswaran
20.	KALIRAJAN K	II YEAR	K. Kalirajan
21.	MARIMUTHU K	II YEAR	K. Marimuthu
22.	RAMANAN S	II YEAR	S. Ramanan
23.	VIGNESHWARAN A	II YEAR	Vigneshwaran. A.
24.	VILLAVAN S	II YEAR	S. Villavan
25.	PRIYANKA R	II YEAR	R. Priyanka
26.	PRAGATHI P	II YEAR	P. Pragathi
27.	SURESH PANDI R	II YEAR	R. Suresh Pandi
28.	VEERAMANIKANDAN P	II YEAR	P. Veeramanikandan



PRINCIPAL
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