



# Bharath

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
No. 173, Agharam Road, Selaiyur, Chennai, T.N - 600 073

## REQUISITION LETTER

27.01.2020

From

The HOD  
Department of ECE  
Bharath Institute of Higher Education and Research  
Selaiyur, Chennai-73

To

The Dean Engineering  
Bharath Institute of Higher Education and Research  
Selaiyur, Chennai-73

Respected Sir,

***Sub: Requisition for Undergoing Industrial visit -regarding***

The School of Electrical Engineering has planned to take students of ECE department to BSNL at Maraimallainagar, Chennai. Hence in this regard, B.Tech ECE Students of total strength 100 with 4 staff members will be going for the industrial visit on 03.02.2020. I request you to kindly grant permission for an Industrial visit and also to provide a Transport facility.

Thanking You

**HOD/ECE**





**BSNL**  
*Connecting India*

**24.01.2020**

From

Mr. S.Pattabiraman  
Chief Engineer  
BSNL T.N. Civil Zone ,6<sup>th</sup> Floor, Admn., Bldg.,  
No. 2, Kush Kumar Road,  
Nungambakkam, Chennai 600034

Sir,

**Sub :** Request for Industrial Visit for B.Tech-ECE Students-Reg.

Ref to the letter dated 10.01.2020 regarding industrial visit, we permit your B.Tech-ECE Students of strength 100 and four faculty members of Bharath Institute of Higher Education and Research to our company at Maraimallainagar, Chennai on 03.02.2020

Thank you

**For BSNL T.N. Civil Zone**

**Mr. S. Pattabiraman**

**Chief Engineer**



## Students Industrial Visit Report-BSNL

The **B.Tech** students of **Electronics and Communication Engineering**, Bharath Institute of Higher Education and Research, Selaiyur, Chennai-600073 were visited the BSNL, Maraimallainagar branch on 03.02.2020. The students were taught 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 the 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.

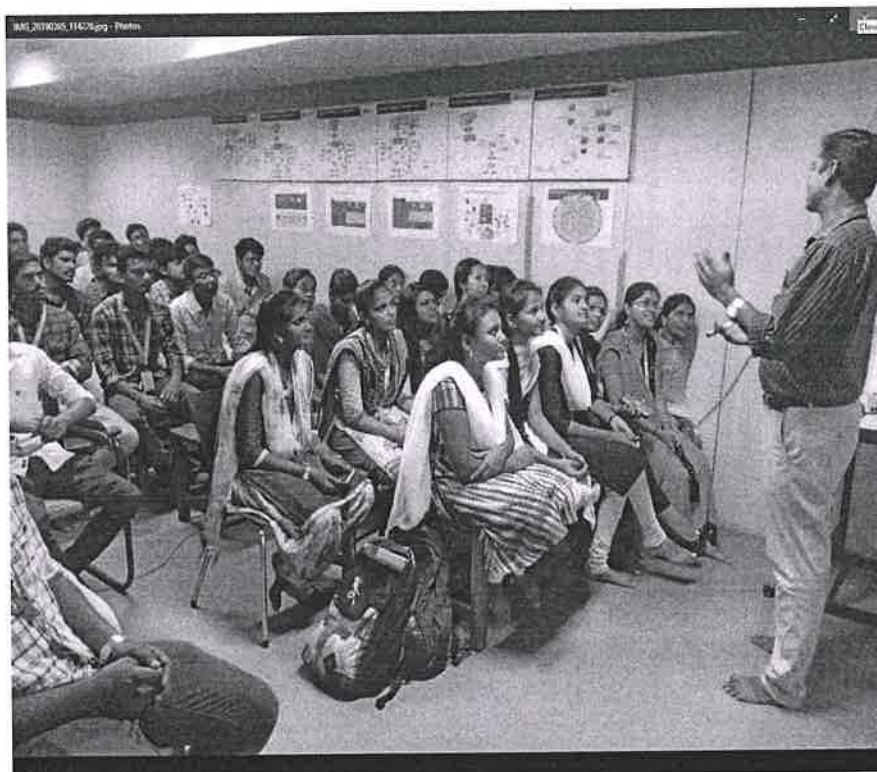
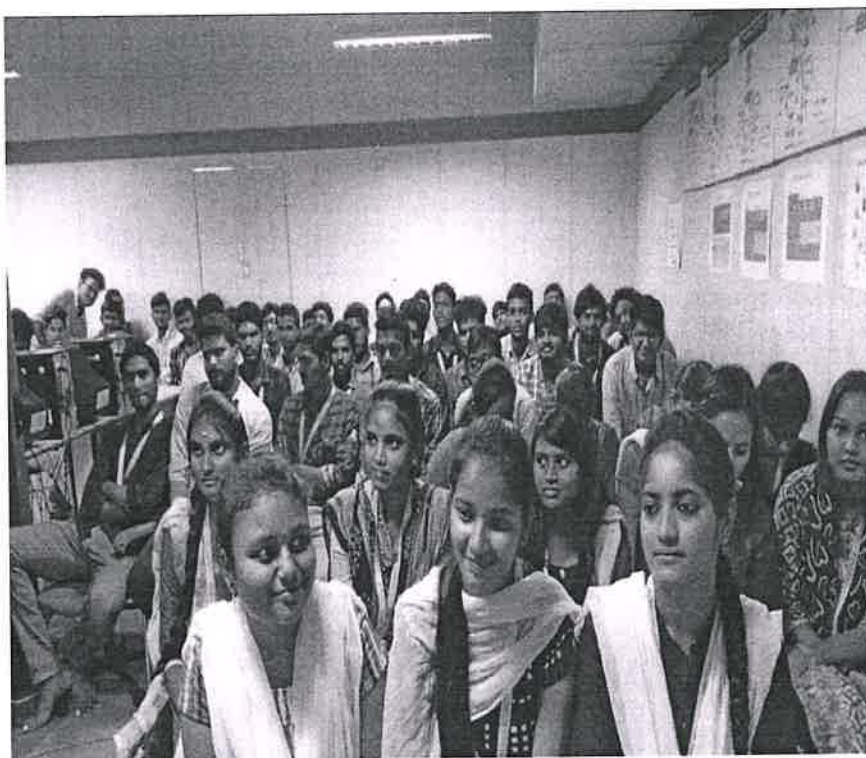
1) SWITCH ROOMS: a) It consists of digital electronic switches which guides the user to the destination by identifying a physical communication path. b) This identification is done with the help of logical or directory numbers. c) We were shown, how the switches work in real-time, with an operating terminal.

2) MDF (MAIN DISTRIBUTION FRAME) a) All subscriber lines are terminated at the end of MDF. b) It consists of a 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 that eliminate 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 with better understanding of the theoretical concepts of the subject of Digital Switching Systems.



## Photos of Industrial Visit

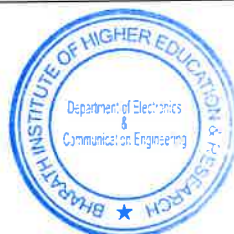


## Students Name List:

S. No	Register No.	Student Name
1	U17EC001	SHAHIL GOHTAR
2	U17EC002	SARVANAN T NATRAJAN
3	U17EC003	NITHISH KUMAR G
4	U17EC004	KISHORE KUMAR M
5	U17EC005	PITTA NIRANJAN REDDY
6	U17EC006	VIGNESH G
7	U17EC007	PRITHIVEE P
8	U17EC008	MANEPALLI PHANI NIVAS
9	U17EC009	BABY PRIYADHARSHINI M
10	U17EC010	DOKKU NAGA SUBRAMANYESWARA RAO
11	U17EC011	MOHAMED SAMEER H
12	U17EC012	MD RIYAZUDDIN
13	U17EC013	GAGGALA VAMSI KRISHNA
14	U17EC014	MARGANA GEETHA MANIKANTA
15	U17EC015	THORATI MANIKANTA
16	U17EC016	SAPIREDDY VENKATA NARENDRA SAI
17	U17EC017	TUMMA VENKATA SURYA CHANDRA SEKHAR
18	U17EC018	GARAGA SURYA SUMANTH DILEEP KUMAR
19	U17EC019	RAMPRASAD K
20	U17EC021	GODDU VELAGALA SAI CHARAN
21	U17EC022	KOTHA MURALI SATYA KRISHNA
22	U17EC023	THARANI B
23	U17EC024	EUNICE GLORY DAVID
24	U17EC025	DUVVURU SHINY ABRAHAM
25	U17EC026	KANCHARLA JAYA VEERA GANESH KUMAR
26	U17EC027	VALLAPUNENI VENKATAPRASAD
27	U17EC028	EPPARLA VENKATARAO
28	U17EC029	MANOHAR ANUPOJU
29	U17EC030	RAAVI VENKATA VIKAS
30	U17EC031	KONDASANI SIVA KOTI REDDY
31	U17EC032	KANDULA VENKATA SAI KUMAR
32	U17EC033	MODIYAM KIRAN KUMAR
33	U17EC034	MAMIDIPALLI KARTHIKEYAN
34	U17EC035	KURRU RAJKUMAR
35	U17EC036	JALEM STEPHEN SANDEEP
36	U17EC037	SIRIGIRI SIVATEJA
37	U17EC038	GANGISETTI SAI TEJA
38	U17EC039	CHELLEBOYENA GOPAL



39	U17EC040	VAKAMALLA DATHA POOJA
40	U17EC042	GADAMSETTY AMRUTHA VALLI
41	U17EC043	KOTHA SUSHMA
42	U17EC044	SHAIK ABDUL RAHIMAN
43	U17EC045	KALAM PAVAN KUMAR
44	U17EC046	CHINTAPATLA HARSHAVARDHAN
45	U17EC047	S ABDUL MUNAF
46	U17EC048	A GIRISH KUMAR
47	U17EC049	CHOWTAPALLI SOWMYA
48	U17EC050	KOTIKALAPOODI OOHA SAVERI
49	U17EC051	THOTA VENKATA SAI BHAVANA
50	U17EC052	CHEBROLU BHAVYA SRI
51	U17EC053	D SANDEEP
52	U17EC054	KANDULA RAVITEJA
53	U17EC055	PALAPARTHI HARISH
54	U17EC056	KATARI SAI SANDEEP
55	U17EC057	MUNNANGI CHANDRASEKHARREDDY
56	U17EC058	KOTTAGUNDU KUMAR SRI SAI
57	U17EC059	SUFANRI FELLA LYNGKHOI
58	U17EC060	PATTAPAGALU PRABHU
59	U17EC061	AGGIPOTU SURESH
60	U17EC062	VEMANA SAI PHANEENDRA
61	U17EC063	PAMMI MAHESH REDDY
62	U17EC064	NARAYANAM DINESH KUMAR
63	U17EC065	BUSIREDDY UMADEVI
64	U17EC066	CHENNAMREDDY LOKESHWAR REDDY
65	U17EC067	CHENNAMREDDY MAMATHA
66	U17EC068	BYSANI SIVA RAMA SAI BRAHMAM
67	U17EC069	REDDI OM PRAKASH
68	U17EC071	DARISA KATHYAYANI
69	U17EC072	MOCHARLA SAIVIKAS
70	U17EC073	SALURI RAHUL KUMAR
71	U17EC074	BANDARU NAVEEN KUMAR
72	U17EC075	PASUPULETI SAI KAMALESH
73	U17EC076	CHANDANA NAGA VENKATA MADHU PAVAN
74	U17EC077	VELAMALA ANIL KUMAR
75	U17EC702	VIJIN S
76	U17EC080	MENDU SRI SATYA JAGADISWARA REDDY
77	U17EC081	PERATI SUSHANTH REDDY
78	U17EC082	AKSHAY TEEGALA
79	U17EC083	RAMAKURTHI JAGADISH CHANDRA
80	U17EC084	SUTHAPALLI KRISHNA KARTHIK
81	U17EC085	GUDI AKSHITH REDDY



82	U17EC086	MANNAM BHARATH KUMAR
83	U17EC087	BADDELA HEMALATHA
84	U17EC089	KARNA MAHENDAR REDDY
85	U17EC091	POTHINI AKHIL CHAKRAVARTHY
86	U17EC092	SUTHAPALLI J V V RAMA KRISHNA
87	U17EC093	SEELAM RAVINDER REDDY
88	U17EC095	YARRAM RAJA SEKHAR REDDY
89	U17EC096	GANDIKOTA KARTHIK SAGAR
90	U17EC097	KALLURI MANOHARJI
91	U17EC098	N NAVEEN KUMAR
92	U17EC099	SHRIYA SINGH
93	U17EC101	SHAIK JHONY BASHA
94	U17EC102	KANCHETI NIKHIL
95	U17EC103	K KARTHIK
96	U17EC104	KOTI MANI KUMAR
97	U17EC105	KANDE SAI NARESH KUMAR
98	U17EC106	BOLLA SWAMULU
99	U17EC107	ATUKURI VENKATA NAGA NAVEEN
100	U17EC108	PASAM BALANAGA MANIKANTA

