



**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

31.01.2020

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 04.02.2020. I request you to kindly grant permission for Industrial visit and also to provide a Transport facility.

Thanking You

**HOD/ECE**





**BSNL**  
*Connecting India*

**30.01.2020**

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 22.01.2020 regarding the 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 04.02.2020

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 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.

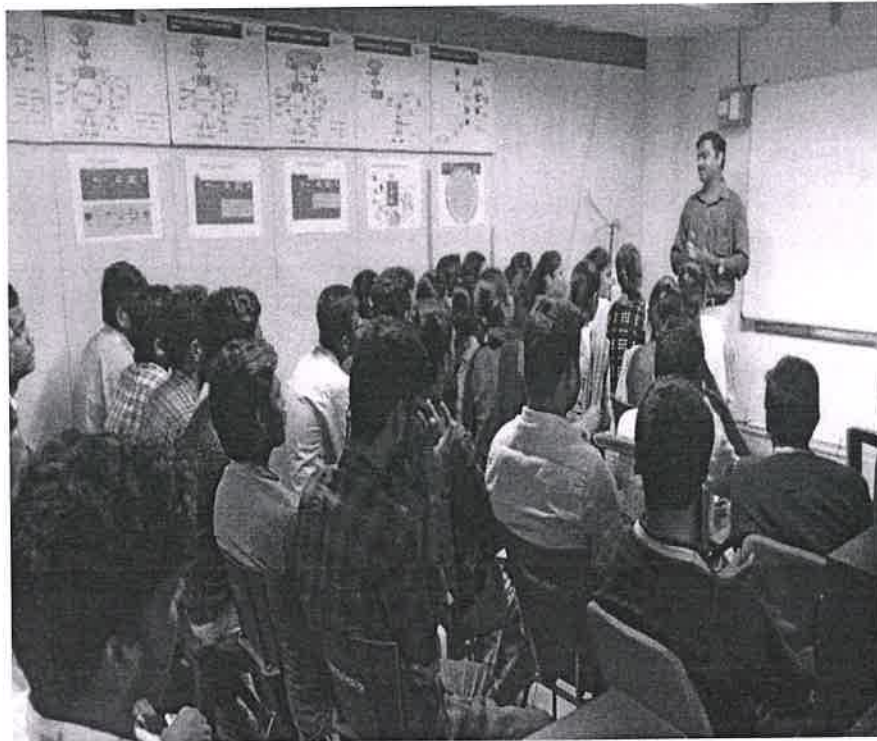
1) SWITCH ROOMS: a) It consists of digital electronic switches which guides the user to the destination by identifying a physical communication path. b) This identification is done with the help of logical or directory numbers. c) We were shown, how the switches work in real time, with an operating terminal.

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 with a better understanding of the theoretical concepts of the subject of Digital Switching Systems.



## Photos of Industrial Visit

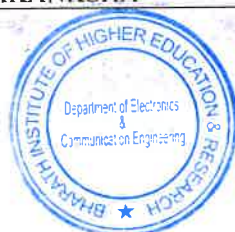


## Students Name List:

S. No	Register No.	Student Name
1	U17EC109	BOODHALA PAVANI
2	U17EC110	GOVINDU NIRUSHASAI
3	U17EC111	KOMARAJU VENKARA KRISHNA VAMSI
4	U17EC112	PANGULURI SAI MAHESH
5	U17EC113	RELLA ANIL
6	U17EC114	K VAMSHIDHAR
7	U17EC115	BHARGAV KANKATALA
8	U17EC116	SURE NAVEEN KUMAR
9	U17EC118	JAVVAJI SAI
10	U17EC119	KOTHAPALLI RAMAYYA NAIDU
11	U17EC120	SHAMIM IMTIAZ
12	U17EC121	YANNAM VENKATA SUDHARSHAN REDDY
13	U17EC122	B MADHU SASHANK
14	U17EC123	MALINI S
15	U17EC124	TANKALA RAJU
16	U17EC125	MALLANGI ASWINI
17	U17EC126	C HIMA BINDU
18	U17EC127	GAMPA VAMSI
19	U17EC128	AKULA VENKATA TRIVEN KUMAR
20	U17EC130	GIDDALURI VENKATA PAVANCHAND
21	U17EC131	CHEEKATI DEEPAK
22	U17EC132	KOLUSU NARASIAH
23	U17EC133	KALARLA MAHESH
24	U17EC134	KAKARLA LAKSHMAN NAIDU
25	U17EC135	SHAIK GOUSIA
26	U17EC136	PALURU RAJAKANISHKAKUMAR
27	U17EC137	SHAIK MALIK FAYAZ
28	U17EC138	KOLAPALLI SATYA SAI VINAY
29	U17EC139	PATCHA JITENDRA SAI KUMAR
30	U17EC140	GUNDU MOGULA SIVA KUMAR
31	U17EC141	ADAPA SHANMUKH SURYA PAVAN
32	U17EC142	PARASA VENKATA PHANINDRABABU
33	U17EC143	AITHA SAI MANIKANTA
34	U17EC144	POLA VENKATA SRI RAM MURTHY
35	U17EC145	PATRU SAI DEEPAK
36	U17EC146	KAJULURI NEERAJ KUMAR
37	U17EC147	CHILAKALAPALLI UDAYKIRAN
38	U17EC148	KADIRI MADHAVA REDDY



39	U17EC149	THAMMANENI RAJASEKHAR REDDY
40	U17EC150	RAMALA VINAY REDDY
41	U17EC151	KOMATIGUNTA PRAVEENA
42	U17EC153	ADAPA RAVEENDRA REDDY
43	U17EC154	RAHUL SAMAL
44	U17EC155	SRI SAI DAGGUBATI
45	U17EC159	MANNAM MANOHAR
46	U17EC160	S N C RAGHU VIJAY KUMAR
47	U17EC162	CHAPPIDI SWATHI
48	U17EC163	RAVVA BHARGAVI
49	U17EC164	YOGGU VENKATA SUDHA ANJANI
50	U17EC165	GODDUMARRI AMRUTHA
51	U17EC166	BHUMIREDDY VENKATA MALLESWARA REDDY
52	U17EC167	ABBURI VENKATA SAI MOUNIKA
53	U17EC168	DIDDI VENKATA VAISHANAVI RAJ
54	U17EC170	GRANDHI BHARGAVI NAGA SAHITI
55	U17EC171	SOMINENI CHAITANYA
56	U17EC172	CHANDA MAHESH
57	U17EC174	PAKALAPATI VIGNESH
58	U17EC175	NARALA HARI NARAYANA
59	U17EC176	M JYOTHEESWAR
60	U17EC177	RAVIPATI SAI KISHORE
61	U17EC178	PATHI DILEEP
62	U17EC179	GIONTI ADITYA
63	U17EC182	TETALA V M SATYA NARAYANA REDDY
64	U17EC183	AKULA PAVAN VEERA VENKATESH
65	U17EC184	BATTHALA PRASAD
66	U17EC185	EELI VEERENDRA SAI
67	U17EC186	VAKACHARLA B VENKATA SIVA SURYANARAYANA
68	U17EC187	BELLAMKONDA SAI RISHITHA
69	U17EC188	NAREDLA BHANU TEJA
70	U17EC189	JILLELLA RAMBHUPAL REDDY
71	U17EC190	DUMPA MADHUSUDHAN REDDY
72	U17EC191	MANDOJI SAI TEJASWI
73	U17EC192	MANDOJI SAI AKHILESH
74	U17EC193	GOPALAM MAMANTH
75	U17EC194	GANAGALLA LAKSHMANA RAO
76	U17EC195	KARI ASHOK BABU
77	U17EC196	KONDRI HARIKRISHNA
78	U17EC197	IMMACULATE MARIA FERNANDO
79	U17EC198	CHAKINALA NIKHIL
80	U17EC199	CHITTEM REDDY DHARMENDRA REDDY
81	U17EC200	KAATHA AKANKSHA



82	U17EC201	GUTURI NAMRATHA
83	U17EC203	KURUBA PAVAN KALYAN
84	U17EC204	KUDERELLA RAJ KUMAR
85	U17EC205	GUVVALA RENUKA
86	U17EC206	PEMETSА SAI KRISHNA VARMA
87	U17EC207	B G HARISH REDDY
88	U17EC208	ADDAGUDURU SAAITEJA
89	U17EC209	AKULA ASHOK KUMAR
90	U17EC210	POREDDY SANDEEP REDDY
91	U17EC211	CHILUKURI AMARA VENKATRAO
92	U17EC212	GORAKALA NAVEEN
93	U17EC213	GADDAM SAI KISHORE
94	U17EC214	THOTA VENKAT PRAJWAL
95	U17EC215	YALAMANDALA NAGURVALI
96	U17EC216	SARAGADAM GANESH
97	U17EC217	BURUGUPALLI POOJITHA
98	U17EC218	KADIMISSETTY V K RAMACHANDRA SETTY
99	U17EC219	SIRIMALLE GURUSIVA
100	U17EC220	PAMIDI NIKHIL

