



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, Akharam Road, Selaiyur, Chennai. T.N - 600 073

REQUISITION LETTER

22.08.2019

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 Nungambakkam, Chennai. Hence in this regard, II year B.Tech Students of total strength 100 with 4 staff members will be going for the industrial visit on 05.09.2019. I request you to kindly grant permission for Industrial visit and also to provide Transport facility.

Thanking You

HOD/ECE





BSNL
Connecting India

21.08.2019

From

Mr. S.Pattabiraman

Chief Engineer

BSNL T.N. Civil Zone ,6th 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 12.08.2019 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 Nungambakkam, Chennai on 05.09.2019 .

Thank you

For BSNL T.N. Civil Zone

Mr. S. Pattabiraman

Chief Engineer



BSNL

Connecting India

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, Nungambakkam branch on 05.09.2019. 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.

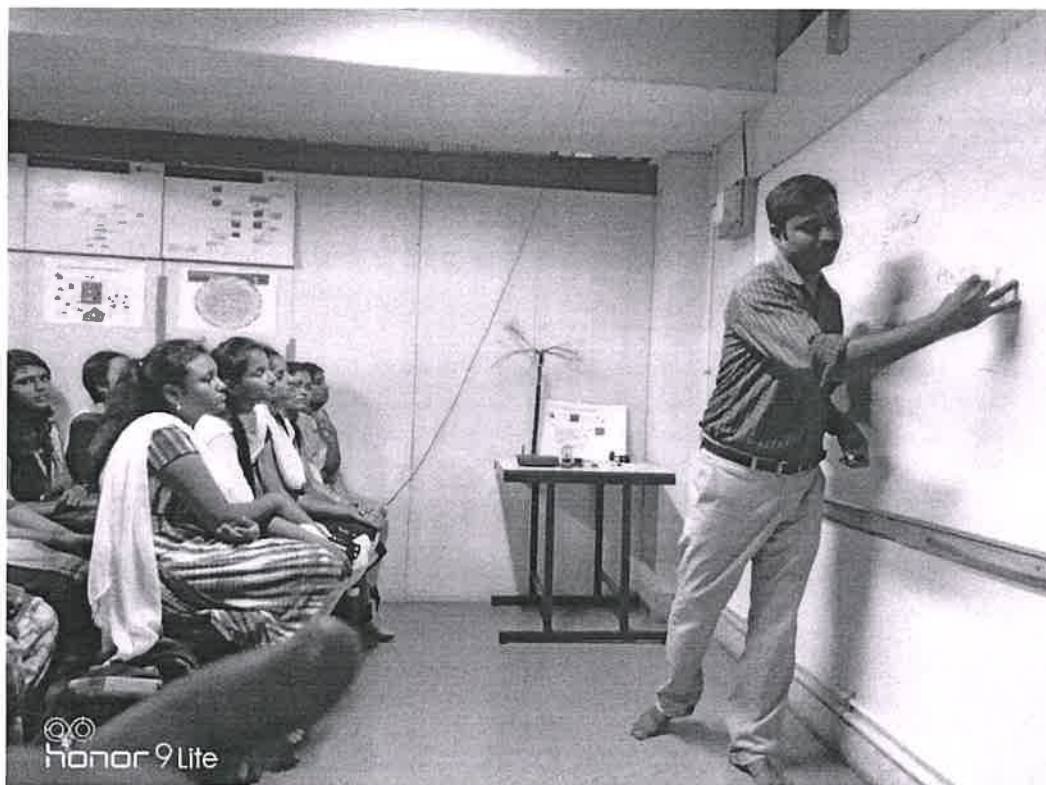
1) SWITCH ROOMS: a) It consists of digital electronic switches which guides the user to the destination by identifying a physical communication path. b) This identification is done with the help of logical or directory numbers. c) We were shown, how the switches work in real time, with an operating terminal.

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



Photos of Industrial Visit

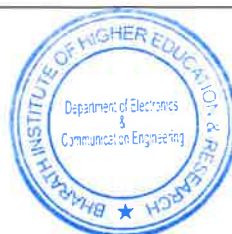


Students Name List:

S. No	Register No.	Student Name
1	U19EC201	KANDRU VARSHINI
2	U19EC202	KANDULA RAMPRASAD REDDY
3	U19EC203	KARANAM SAI HARSHITHA
4	U19EC204	KARNA VARADHA KISHORE REDDY
5	U19EC205	KARNATI NARASIMHA RAO
6	U19EC206	KASIREDDY ASHOK REDDY
7	U19EC207	KATAM GANESH
8	U19EC208	KATIKA TAWFIQ AHAMED
9	U19EC209	KATTA VENU MADHAV
10	U19EC210	KAVIRAJAN S
11	U19EC211	KAVISELVAN T
12	U19EC212	KESAVAN SREENIVASULU
13	U19EC213	KEVIN BOSE S
14	U19EC214	KHAREEDU GOPI
15	U19EC215	KILARI SUJITHA
16	U19EC216	KODATHALA SREEKANTH
17	U19EC217	KODURU SAI KRISHNA
18	U19EC218	KOLE CHANDRA SEKHAR
19	U19EC219	KOLLA SIVANNARAYANA
20	U19EC220	KOMBATHULA PREETHI
21	U19EC221	KOMITIREDDY LOKESHWAR REDDY
22	U19EC222	KONA ANITHA
23	U19EC223	KONDAPALLI SAI SIVA SAGAR
24	U19EC224	KONDAPALLI VIDYANAND
25	U19EC225	KONDAPURAM SANDESH KUMAR
26	U19EC226	KONDAVARDHI MAHESH
27	U19EC227	KONDREDDY NAGARJUNA REDDY
28	U19EC228	KONE VAMSI KRISHNA
29	U19EC229	KONI SIDDARTHA
30	U19EC230	KONIJARLA MANISHA
31	U19EC231	KONKA VAMSI
32	U19EC232	KOPPERA VINAY KUMAR
33	U19EC233	KOPPU NAGA PRAGNA
34	U19EC234	KOPPU SHARATH
35	U19EC235	KORATLA NAVEEN
36	U19EC236	KORRA PRAVEETH KUMAR
37	U19EC237	KOTA JAGADEESH LAKSHMI KUMAR



38	U19EC238	KOTHAKOTA KRISHNAMRAJU
39	U19EC239	KOTIKALAPUDI UMAMAHESWARA PAVA
40	U19EC240	KRISHTIPATI YOGESWAR REDDY
41	U19EC241	KRISTAMSETTY AKHIL
42	U19EC242	KRITIK RAJ SONI
43	U19EC243	KUKATAPU NARENDRA KUMAR
44	U19EC244	KUMMATHI ASWANI
45	U19EC245	KUMMETHA MOHAMMED RAFI
46	U19EC246	KUNCHAPU DIVAKAR
47	U19EC247	KUNTA AMARENDER
48	U19EC248	KURAMDASU HARSHA VARDHAN
49	U19EC249	KURRA RAKESH
50	U19EC250	KURRA VARUN CHANDRA
51	U19EC251	KURRAPOTHULA GANESH
52	U19EC252	KURUGUNDLA SAI MANOJ
53	U19EC253	KURUVA NARAYANA
54	U19EC254	KUTCHU JAGADISH
55	U19EC255	LAKIDI GANESH
56	U19EC256	LAKKIREDDY SUJITH REDDY
57	U19EC257	LEELA MANIKANTA KANAPARTHI
58	U19EC258	LIVIN T
59	U19EC259	LOGESH KANNAN R
60	U19EC260	M A HAREESH
61	U19EC261	MACHUPALLI SAI CHARAN REDDY
62	U19EC262	MADAMANCHI GEETHA SREE
63	U19EC263	MADARAPU RAKESH
64	U19EC264	MADATHALA VASUREDDY
65	U19EC265	MADDIPATLA KARTHIK CHOWDARY
66	U19EC266	MADDIRALA NETRANANDA REDDY
67	U19EC267	B G MADHUSUDHAN REDDY
68	U19EC268	MAHEDHAR VANUMU
69	U19EC269	MALAPATI SAI SAHANA
70	U19EC270	MALIDEEDU PAVAN KUMAR
71	U19EC271	MALIREDDY YOGESWAR REDDY
72	U19EC272	MALLAM VINAY KUMAR
73	U19EC273	MALLIPAM AVEEN
74	U19EC274	MALLURU BHAVANA
75	U19EC275	MANAM VASU
76	U19EC276	MANIKANTA REDDY
77	U19EC277	MANIKANTI MANMOHAN REDDY
78	U19EC278	K MANOJ KUMAR
79	U19EC279	MARAPA REDDY GARI NAVEEN KUMAR
80	U19EC280	MARTHALA GURU KALYAN REDDY



81	U19EC281	MEDIKONDA SIVA
82	U19EC282	MEDIKONDU PRIYADARSHINI
83	U19EC283	MEESALA KASI NAIDU
84	U19EC284	MEESALA SWAPNA
85	U19EC285	MEKA DURGA SAI
86	U19EC286	MEKA VIGNESHWAR REDDY
87	U19EC287	MEKALA JAYAKISHAN
88	U19EC288	MENDE MANOJ KUMAR
89	U19EC289	MENENI VAMSI
90	U19EC290	METTU RAKESH
91	U19EC291	METTU VENKATA KRISHNA REDDY
92	U19EC292	MIRIYALA LOKESH
93	U19EC293	MITTAPALLI SAMARASIMHA REDDY
94	U19EC294	MODINA JAGADEESH MANI DURGAVENKATESH
95	U19EC295	MOPURI GOVARDHANNAN REDDY
96	U19EC296	MORE KRISHNA TEJA
97	U19EC297	MUDDA YASWANTH REDDY
98	U19EC298	MUKKARA ATCHI REDDY
99	U19EC299	MUNAGA SIVA SAI KUMAR
100	U19EC300	MUPPALA SAI KISHORE

