



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, Agheram 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 03.09.2019. 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 03.09.2019 .

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, Nungambakkam branch on 03.09.2019. 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 learned 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.

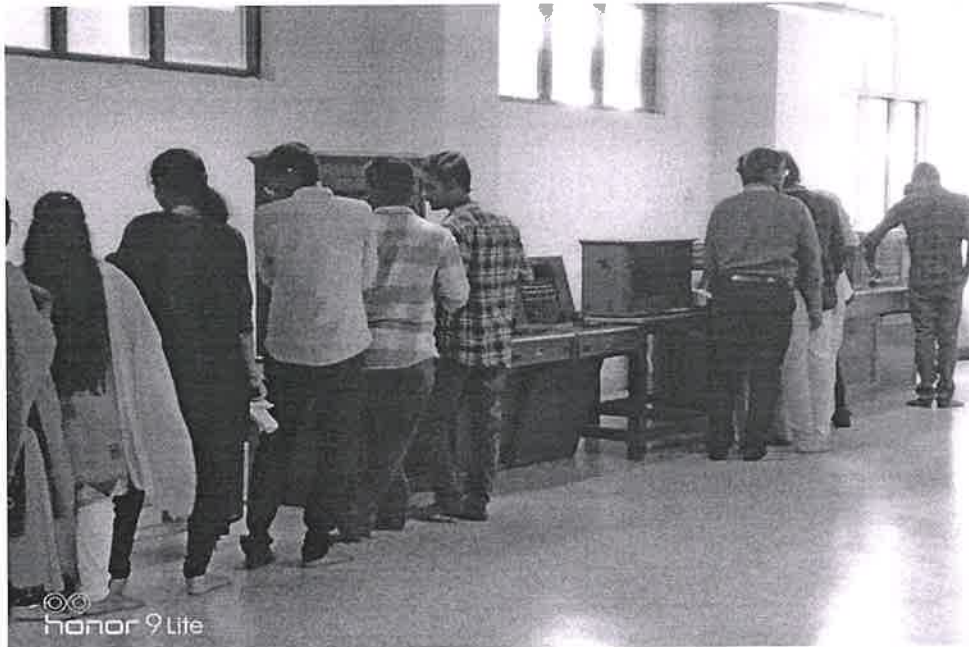
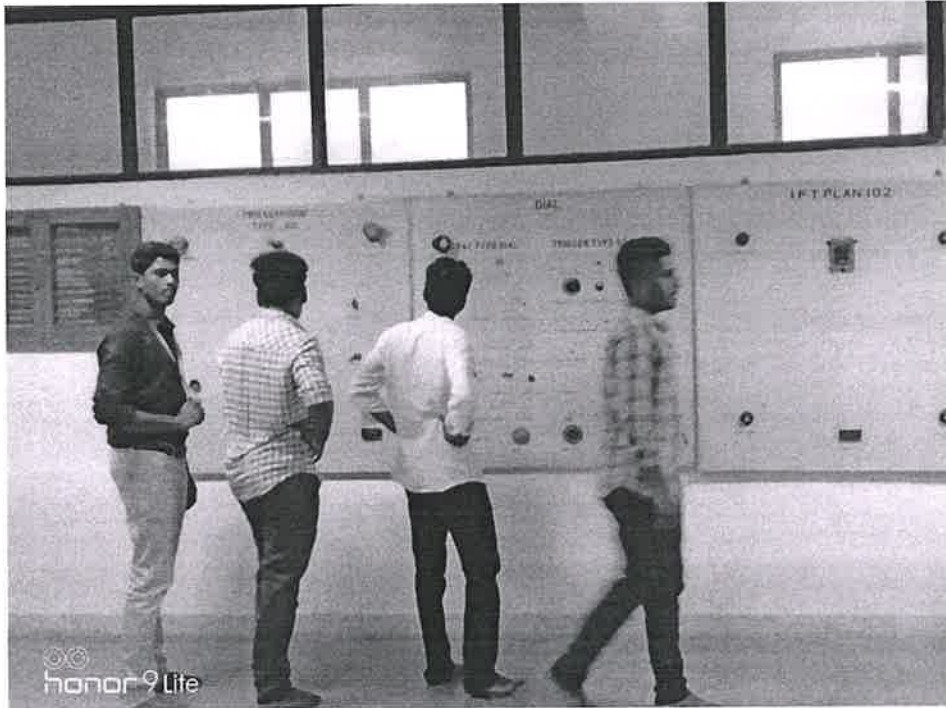
1) SWITCH ROOMS: a) It consists of digital electronic switches which guides the user to the destination by identifying a physical communication path. b) This identification is done with the help of logical or directory numbers. c) We were shown, how the switches work in real time, with an operating terminal.

2) MDF (MAIN DISTRIBUTION FRAME) a) All subscriber lines are terminated at the end of MDF. b) It consists of 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



Photos of Industrial Visit



Students Name List:

S. No	Register No.	Student Name
1	U19EC001	ABILASH AUGUSTUS PRAKASAM
2	U19EC002	ADADA DURGA KRISHNA PRATHAP
3	U19EC003	ADHI SIVA KRISHNA
4	U19EC004	AGABOINA LENIN
5	U19EC005	AGIRU SURAJ KUMAR
6	U19EC006	AKKALA TARUN RAGHAVA REDDY
7	U19EC007	AKKI VISHNU VARDHAN REDDY
8	U19EC008	ALLAMPATI GOVARDHAN REDDY
9	U19EC009	AMANDU AKHILESH KUMAR
10	U19EC010	AMARAGONDA ANIL KUMAR
11	U19EC011	AMBATI VENKATA RAVINDRA REDDY
12	U19EC012	AMBAVARAM VENKATA HARSHA VARDHAN REDDY
13	U19EC013	ANANDAPU SAI
14	U19EC014	ANGARA DEEPAK KIRAN
15	U19EC015	ANINGI SRINU
16	U19EC016	ANKIREDDY SREYA
17	U19EC017	ANKIT KUMAR UPADHYAY
18	U19EC018	ANNE RAVI TEJA
19	U19EC019	ARAVA GIRIVARDHAN REDDY
20	U19EC020	ARAVIND KUMAR S
21	U19EC021	ARIGA DINESH
22	U19EC022	ARJUN D
23	U19EC023	ARUMBAKA KRUPA RAJITHA
24	U19EC024	ARUNKUMAR N
25	U19EC025	ASHOK TEJA AATLA
26	U19EC026	AVULA KARTHIK
27	U19EC027	AVVA SAI KIRAN
28	U19EC028	BAIRI THIRUPATHI
29	U19EC029	BALA SATISH
30	U19EC030	BALAGANI ANUHYA
31	U19EC031	BALGAM VENKATESH
32	U19EC032	BALU BHARATH KUMAR REDDY
33	U19EC033	BANAGANI ANIL KUMAR
34	U19EC034	BANDALAKUNTA NAGESH
35	U19EC035	BANDAMEEDI MANOHAR
36	U19EC036	BANDI SANDEEP
37	U19EC037	BANDI SURYA VINAY KUMAR
38	U19EC038	BANOTH NIKHIL



39	U19EC039	BARIGELA PAVAN
40	U19EC040	BATHINI NANDINI
41	U19EC041	BATTHINENI GAYATHRI
42	U19EC042	BATTU PAVANKUMAR
43	U19EC043	BATTULA SOMASEKHARA KRISHNA
44	U19EC044	BATTULA VENKATESH
45	U19EC045	BAVISETTI KIRAN KUMAR
46	U19EC046	BAVISETTI PAVAN KALYAN
47	U19EC047	BAVISETTI VAMSI KRISHNA
48	U19EC048	BEESU PRANAY
49	U19EC049	BHOMMAKANTI NAVEEN KUMAR
50	U19EC050	BHUMIREDDY AJAY KUMAR REDDY
51	U19EC051	BHUPANI VENKATA YESWANTH
52	U19EC052	BIJJALA NAGENDRA BABU
53	U19EC053	BINDE MADAN GOUD
54	U19EC054	BISHAL MAJUMDAR
55	U19EC055	BODDETI VEERA BHADRA BALAJI
56	U19EC056	BODDU PAVANI
57	U19EC057	BODHULURI VEDHA SAI
58	U19EC058	BOKKA SRI VENKATA CHAKRI
59	U19EC059	BOLAGANI RAMU
60	U19EC060	BOLLEDUPATI SATYA VINAYAK
61	U19EC061	BOMMA SAI KRISHNA
62	U19EC062	BOTLA GINTA MALLIKARJUNA RAO
63	U19EC063	BOTU MAHESH
64	U19EC064	BOYA SUHEETH
65	U19EC065	BOYILLA VENKATA MANOHAR
66	U19EC066	BOYINA RAJESH
67	U19EC067	BUNETI ABHISHEK REDDY
68	U19EC068	BURLA NAVEEN KUMAR
69	U19EC069	BYREDDY JEEVAN REDDY
70	U19EC070	BYREDDY KOTESHWAR REDDY
71	U19EC071	BYRICHETTI SAI VARUN
72	U19EC072	C GOVARDHAN REDDY
73	U19EC073	CHACHU BALA MURALI ARUN KUMAR
74	U19EC074	CHADA SANTHOSH REDDY
75	U19EC075	CHADARAM PAVAN VINAY KUMAR
76	U19EC076	CHALASANI LOHITHA
77	U19EC077	CHALLA AJAY KUMAR
78	U19EC078	CHANDANA DURGA PRASAD
79	U19EC079	CHAPATI HARI TEJA REDDY
80	U19EC080	CHATHARASI HARSHAVARDHAN KALYAN
81	U19EC081	CHAVA NIKHIL



82	U19EC082	CHEELA DHATHRI
83	U19EC083	CHEKURI MAHESH
84	U19EC084	CHERUKURI VENKATESWARA RAO
85	U19EC085	CHERUVU NARENDRA REDDY
86	U19EC086	CHEVULA SUBHASH CHANDRA BOSE
87	U19EC087	CHIDURALA HARISH
88	U19EC088	CHILAKALA ANITHA
89	U19EC089	CHILAKALA GURU CHANDRA MOHAN REDDY
90	U19EC090	CHILAMAKURU RAGHAVENDRA SHIVA
91	U19EC091	CHILLA KRANTHI KUMAR REDDY
92	U19EC092	CHINTALA SAI KIRAN
93	U19EC093	CHINTHA HARSHITHA
94	U19EC094	CHINTHA KUMAR SIVA SRINIVAS
95	U19EC095	CHINTHAGATTU KARTHIK
96	U19EC096	CHINTHALA MADHUSUDHAN REDDY
97	U19EC097	CHINTHALA MURALI
98	U19EC098	CHINTHANURI SHIVARAMAKRISHNA
99	U19EC099	CHIPPADA SHANMUKHA TEJA
100	U19EC100	CHIRASANI SAI HARSHAD REDDY

