



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

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, I year B.Tech Students of total strength 106 with 4 staff members will be going for the industrial visit on 09.09.2019. 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 106 and four faculty members of Bharath Institute of Higher Education and Research to our company at Nungambakkam, Chennai on 09.09.2019 .

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 09.09.2019. 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	U19EC401	RUDRAPAKA ANAND ESWAR
2	U19EC402	K SAI KIRAN
3	U19EC403	K SAI PRIYA
4	U19EC404	SAKAMURI SUNNY
5	U19EC406	SANA BANGAR RAO
6	U19EC407	SANAMULLU MAHESH
7	U19EC408	SANAPALA GAYATHRI
8	U19EC409	SANGAMREDDY VENKATA SAI TEJA
9	U19EC410	SANGULA DURGA SAI NAGA VARA PRASAD
10	U19EC411	SANKA ESWAR
11	U19EC412	SANKAR DURGA SRI YARRAMSETTI
12	U19EC413	SANUGULA MUNITEJA
13	U19EC414	SARVEPALLI SAI JAHNAVI
14	U19EC416	SEVVA NIKHIL
15	U19EC417	SHAIK ABDUL MURSHEED
16	U19EC418	SHAIK ABDULKALAM
17	U19EC419	SHAIK FAYISH AHAMAD
18	U19EC420	SHAIK HANEEF
19	U19EC421	SHAIK ILIYAS BASHA
20	U19EC422	SHAIK JAKEER SHARIF
21	U19EC423	SHAIK KHASIM MEERAVALI
22	U19EC425	SHAIK NASEER HUSSAIN
23	U19EC426	SHAIK RASHEED
24	U19EC427	SHAIK SALMAN BASHA
25	U19EC428	SHAIK SHAJIYA SULTHANA
26	U19EC429	SHAIK ZAKEER AHAMAD
27	U19EC430	SHASHANK YADAV NAKKALA
28	U19EC431	SIDDA REDDY KASINATH REDDY
29	U19EC432	SINGAM ARUN
30	U19EC433	SINGARAJU PRAVEEN
31	U19EC434	SIRISHA PINNI
32	U19EC435	SMRITI M
33	U19EC436	SOMALA SRINIVASA REDDY
34	U19EC437	SONGAM GANGADHAR VINAY
35	U19EC438	M SRIKANTH
36	U19EC439	SRINATH CHENNABOINA
37	U19EC440	SRIRAM SAITEJA
38	U19EC441	SUCHAND MANCHIKANTI



39	U19EC443	SURAM RAJU
40	U19EC444	SURISSETTI SRI VENKATA GOWRINADH
41	U19EC445	SURYA VAMSHI
42	U19EC446	SYED ARIF
43	U19EC447	TADI RAMAKRISHNA
44	U19EC448	TADIKONDA AAKASH GUPTA
45	U19EC449	TALAPANTI HARIKRISHNA
46	U19EC451	TANNEERU PAVAN KUMAR
47	U19EC452	TEETLA RAHUL
48	U19EC453	TENALI JESSY
49	U19EC454	TENEA MEGHANA
50	U19EC455	THABETI ANURAG GOUD
51	U19EC456	THAKUR SHIVA KUMAR SINGH
52	U19EC457	THALLAM INDU
53	U19EC459	THATHAGARI SURESH REDDY
54	U19EC460	THEGALAPALLE ASHOK REDDY
55	U19EC461	THIPPARAPU DILEEP KUMAR
56	U19EC462	THIPPASANI MARUTHI KUMAR REDDY
57	U19EC463	THORAMBAKAM ANIL KUMAR
58	U19EC464	THOTA NAGA SAI SUDEER
59	U19EC465	THOTA PRAKASH
60	U19EC466	THOTA VENU GOPALA KRISHNA
61	U19EC467	THUMATI KARTHEEK
62	U19EC468	THURUPU SEEMA SAIPRAKASH REDDY
63	U19EC469	TIRUMANI ASHOK KUMAR
64	U19EC471	TUMMA JANARDHANA REDDY
65	U19EC472	TUNGALA HEMA RAJASEKHAR
66	U19EC473	UDUMULA KASI VEERA REDDY
67	U19EC474	UMMINENI SANTHOSH
68	U19EC475	UPPU SIVA KUMAR
69	U19EC476	UPPULA NITHIN
70	U19EC477	UULSA VENKATA DINESH
71	U19EC478	VADDE AJAY KUMAR
72	U19EC479	VADLAMUDI JAYASRI
73	U19EC480	VAGGU THARUN
74	U19EC481	VAKA PRUDHVIRAJU
75	U19EC482	VAKAMUDULA VENKATESH
76	U19EC483	VAKITI PRASHANTH REDDY
77	U19EC484	VALLABHANENI HARSHA VARDHAN
78	U19EC485	VANAPALLI RAVI SANKARA DURGA B
79	U19EC486	VANGALA NIRANJAN REDDY
80	U19EC487	VANKA JAGADEESH
81	U19EC488	VANKALA PAVAN SURYA



82	U19EC489	VASAM RAJASHEKAR
83	U19EC490	VASANTHA KUMARI S
84	U19EC491	VAVILAPALLI RAKESH
85	U19EC492	VEERAMALLA VENKATA DILEEP
86	U19EC493	VEERAMREDDY SAI VENKATA BAPANN
87	U19EC494	VELTHURI JAYA PRAKESH
88	U19EC495	VELURU BHARATH KUMAR
89	U19EC496	VELURU CHANDU
90	U19EC497	VEMULA BHAGYA VENKATA SHARAN
91	U19EC498	VENKATA VAMSI KRISHNA PARA
92	U19EC499	VINNAKOTA AJAY KUMAR
93	U19EN001	VUNDAVALLI KARTHIK BRAHMMA
94	U19EN002	VUNNAM JOSHNA
95	U19EN003	YALAGALA SRIKANTH
96	U19EN004	YANAMALA RAMAKUMAR
97	U19EN005	YANAMALA SURESH
98	U19EN006	YARLAGADDA SNEHITH SRI SAI
99	U19EN007	YEDAVELLI GOPI
100	U19EN009	YETTELA KISHOREKUMAR REDDY
101	U19EN010	SUBASH S
102	U19EN011	KALLURU YUGANDHAR REDDY
103	U19EN012	RAKESH B E
104	U19EN013	AMAN SRIVASTAV
105	U19EN014	PINNINTI MANI DEEP NAIDU
106	U19EN015	GUSIRI VAMSI

