GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY
Department of Electronics andCommunication Engineering

AY:2018-19

Industry Institute Coordination Cell (IICC)

Consolidated Report on Industrial Visits

S.No	Name of the Company	Visited Date	No.of Students Visited
1	National Atmospheric Research Laboratory(NARL),Gadhanki	09/11/2018	53 students

K.PB

Faculty- In charge

HOD

Head of the Department
Dept. of Electronics & Communication Engineering
GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY
GANGAVARAM (V), Kovur (M),
S.P.S.R. Nellore Dt. A.P. Pin : 524 137

GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY
Department of Electronics andCommunication Engineering

AY: 2018-19

Industry Institute Coordination Cell (IICC)

National Atmospheric Research Laboratory(NARL),GadhankiDt: 09/11/2018

S.No	Roll Number	Name of the Students
1	162U1A0402	AGNI DIVYA KIRAN
2	162U1A0406	ANNAM DURGA
3	162U1A0409	AVADHANAM SASI SRIKAR
4	162U1A0413	BANDI ESTHER KRUPAMANI
5	162U1A0414	BATTALA INDRAJA
6	162U1A0415	BHEEMATHATI VISHNU
7	162U1A0416	BOGALA VENKATESH
8	162U1A0417	BONDILI KARTHIK SINGH
9	162U1A0421	CHINTHATI TANUJA SAI
10	162U1A0423	DABBUGUNTA SURJITH
11	162U1A0425	DAMAVARA BHAGYA PREETHI
12	162U1A0429	DASARAJU SRI SAI SIREESHA
13	162U1A0433	DEVATHI MANISH KUMAR
14	162U1A0434	DHAMERA THARUN KUMAR
15	162U1A0437	DONKALA SUJALA
16	162U1A0438	DONTHU SUSHMA
17	162U1A0439	DUGGISETTY NIKITHA
18	162U1A0449	GOLLA SANDHYA
19	162U1A0450	GOLLAPOTHU GEETHIKA
20	162U1A0454	GRAND V.S HARSHA VARDHAN
21	162U1A0457	GUTHI ESWAR RISHI
22	162U1A0462	SREEHITHA REDDY
23	162U1A0463	KADANUTHALA ANUSHA
24	162U1A0473	KANYA RICHITHA
25	162U1A0480	KOKATI ROOPIKA
26	162U1A0483	KONETI SIVANI
27	162U1A0492	MEKALA HARIKA
28	162U1A0493	MENTA VINEETH
29	162U1A0494	MOGALLAPALLI SUDIVYA
30	162U1A0495	MULLANGI SRISEVITHA
31	162U1A0496	MULUMUDI KARTHEEK
32	162U1A04A1	NALAM VENKASAI SUSHANTH
33	162U1A04A7	NARRA SRAVAN KUMAR
34	162U1A04A9	NEMALIPURI DIVYA
35	162U1A04B0	NUNNA JYOTHISH SWAROOP KUMAR
36	162U1A04B6	PANABAKA ROSHNA
37	162U1A04B9	PEDDADA AASHIQ
38	162U1A04C3	PENDELA HEMANTH
39	162U1A04C8	PONDURU PREMCHAND

40	162U1A04D0	PURINI SAI KAVYA
41	162U1A04D4	REDDY SAI KARTHIK
42	162U1A04D5	SANNA LIKHITHA
43	162U1A04D9	SHAIK GOUSE BASHA
44	162U1A04E7	SHAIK SAMEENA
45	162U1A04E8	SHAIK SAMIYA
46	162U1A04F3	SHAIK UMAR
47	162U1A04F5	SIDHANA VARSHITHA
48	162U1A04F7	SULURU SRIHARI
49	162U1A04F8	SYED ASHFAQ AHAMED
50	162U1A04H1	VARIKUPRASANNA RAJESWARI
51	162U1A04H5	YARABOLU HEMANTH
52	162U1A04H9	YERNENA SANTHOSHINI
53	172U5A0401	PAPPU ANUDEEPTHI

SL.NO	NAME OF THE FACULTY	Designation
1	MR.G.KIRAN KUMAR	Asst.Professor
2	MS.SK.M.SHAHINA	Asst.Professor
3	MRS.P.RAJITHA	Asst.Professor

FACULTY IN-CHARGE

HOD-ECE

GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on NARL Visit Dated on 09-11-2018

III Year ECE 53 students of GIST-Nellore have visited NARL on 09-11-2018., accompanied by faculty members Mr. G. Kiran Kumar, Ms. Sk. Shahina and Mrs. Y. Rajitha. The National Atmospheric Research Laboratory (NARL) is an autonomous Research Institute funded by the Department of Space of the Government of India. NARL is engaged in fundamental and applied research in the field of Atmospheric Sciences. The research institute was started in 1992 as National Mesosphere-Stratosphere-Troposphere (MST) Radar Facility (NMRF). Over the years many other facilities such as Mie/Rayleigh Lidar, Lower atmospheric wind profiler, optical rain gauge, disdrometer, automated weather stations etc. were added.

The entire team is guided by Dr.K.Rajendra Prasad, Scientist/ Engineer – SE , who also made a presentational talk about NARL and different projects and departments involved in NARL for an hour. A spectacular view of NARL campus from the conference hall terrace is observed. Around 2.00 PM, interior visit of NARL has started. Firstly, the Data base management system of centre which carries all the information regarding projects carried out in NARL, has been visited. Special servers which cannot be authorized by hackers, Super Computers, tertiary Data Storage Devices like Magnetic Tapes and the process of data dissemination are explained by the technical guides present there. Atmospheric research centre management system, which is currently using the high performance computers with an architecture of SNAS (Scalable network Attached storage) which gives high performance in computing the large data tasks whose data exchange rate is of 40 GB/s is visited. At 2.40 PM, Atmospheric Wind Profiling Radar, which was inaugurated on 7th March 2010 by Dr. K. Kasthurirangan, is visited.

Technical explanation on GPS Radiosonde System is presented by the guide. Here they implemented a new technique to generate the daily weather report with the help of GPS Sonde attached with strip antenna which is connected to the Parachutes. The GPS antenna transmits the information from the balloon and it gets received to the GPS Sonde receiver. Usually, they conduct this experiment in the zero-th hour regularly i.e., 5.30 PM .At 3.00 PM, Lidar research centre is visited. It involves the beam of light using two mirrors for reflecting the light into atmosphere. The reflected light rays are received by telescopes to measure the different conditions of weather during day time. The tour ends after visiting the MST radar station which requires 1024 antenna arrays to conduct front line research in atmospheric conditions.

Impact analysis:

1. The students gain beter practical exposure on digital signal processing , Antennas and Radars to enhance their knowledge in respective course and get excellent results in their curriculum.
2. The students gain beter practical exposure on Radar systems.
3. After the Industrial Visit to NARL ,the students get motivated to appear for entrance test conducted by NARL .


INDUSTRIAL TOUR


INDUSTRIAL TOUR

GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY : : NELLORE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

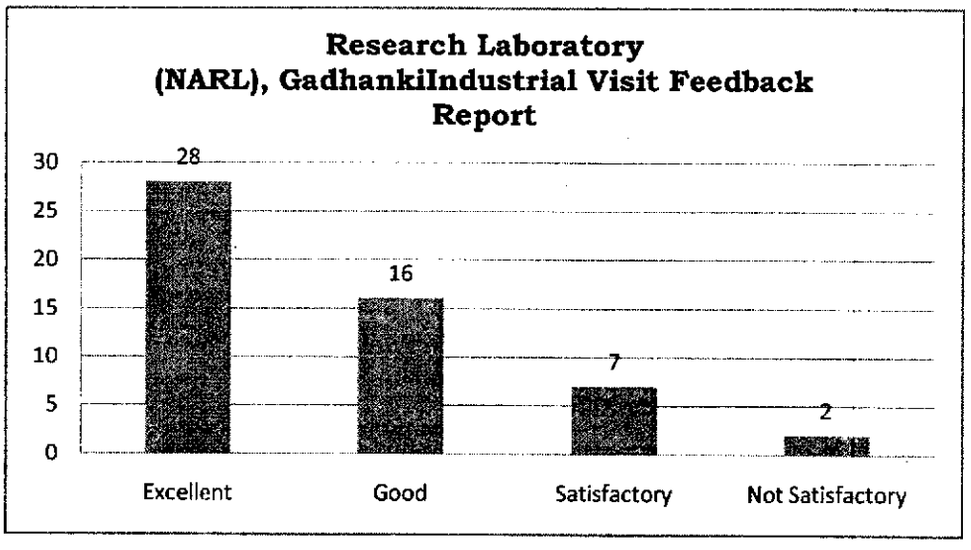
FEEDBACK ANALYSIS REPORT

The student's feedback on Industrial Visit to **"National Atmospheric Research Laboratory (NARL), Gadhanki"** on **09-11-2018** is presented below:

Category: Students Feedback

Total number of Students recorded feedback: 53

Total number of questions attempted: 10



From the above graph it is clear that more than 80% students gave the overall feedback as Good and the students are well satisfied with the Industrial Visit.

GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY : : NELLORE

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Action Taken Report on Feedback Analysis

Feedbacks are collected from the students. The received data are analyzed, the suggestions of the students are discussed in the department and then corrective measures are taken. The student-centered programmes are mostly conducted based on their suggestions and feedbacks.

S.NO	SUGGESTIONS	ACTION TAKEN
1	Need some more hours for practical sessions.	Planned to provide more industrial visits
2	This Industrial visit is very useful and to suggested to conduct from II year	In this regard, planned to Industrial Visit From II-I semester
3	This Industrial visit is very much useful	In this regard, planned to conduct Industrial Visit for the next academic year 2019-20

n/11/18

Faculty In-charge

HoD