



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY  
Department of Electronics and Communication Engineering

AY 2017-18

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	13.10.2017	59 students
2	Satish Dhawan Space Centre SHAR, Sriharikota	01.02.2018	100 students

*K.P.B*  
Faculty- In charge

*Pradip*  
HOD  
Head of the Department  
Dept. of Electronics & Communication Engineering  
GEETHANJALI INSTITUTE OF  
SCIENCE & TECHNOLOGY  
GANGALAKSHMI, Kovur (M),  
Pin : 524 137



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Department of Electronics and Communication Engineering

AY 2017-18


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National Atmospheric Research Laboratory(NARL),GadhankiDt: 13.10.2017

S.No	Roll Number	Name of the Students
1	142U1A0401	AKKIPEDDI SRI SATYA SRAVANI
2	142U1A0402	AKULA SUPRAJA
3	142U1A0403	AMASA KUMARA RAJA
4	142U1A0404	BAKKEDDULA VEERA HANUMANTH REDDY
5	142U1A0405	BALABOMMALA NAGA LAKSHMI MANOGNA
6	142U1A0407	BEMAVARAM SRIHARI
7	142U1A0408	BOLLINENI SUBHASHINI
8	142U1A0409	BONDALAPATI EMMITHA SRI
9	142U1A0410	BOPPURU SAI VAMSI KRISHNA
10	142U1A0411	CHILAKAPATI SUSHMA VINEESHA
11	142U1A0412	CHINTALA GOWRIPRIYA
12	142U1A0413	CHIRAMANA CHETHAN SAINATH
13	142U1A0414	DADINENI VENKATA SUDHA TULASI BHAVANI
14	142U1A0415	DANDIGUNTA KULADEEP
15	142U1A0416	DONEMPUDI YAMINI
16	142U1A0417	DUVVURU YAMINI
17	142U1A0418	EARABOYINA HARIKA
18	142U1A0419	GADAMSETTY NAGASUNAYANA
19	142U1A0420	GALI PALGUNI
20	142U1A0421	GANGISETTY NAVEENKUMAR
21	142U1A0422	GANUGAPENTA ROJA
22	142U1A0423	GERIKI GURUPRAKASH
23	142U1A0424	GOWRABATHINA RAJESH
24	142U1A0425	GUNDALA VEENA REDDY
25	142U1A0426	GUNDRY YASWANTH REDDY
26	142U1A0427	HEMADRI LAKSHMI BHAVANI
27	142U1A0428	IPPE NIKHILA
28	142U1A0429	JAKKALA SWETHA
29	142U1A0430	JAMPALA SAI SRAVANI
30	142U1A0431	JOEPALLI VENKATAKALYANI
31	142U1A0432	JUVVALADINNE BHARGAVA SAI
32	142U1A0433	KADURU SURENDRA
33	142U1A0434	KAKANI SAI NARASIMHARAO
34	142U1A0435	KAKU AKILASH
35	142U1A0436	KALICHETI BHAVANA
36	142U1A0437	KAMATHAM KEERTHANA
37	142U1A0438	KANDALA MOHAN KRISHNA
38	142U1A0439	KANDAMURU PRADHYUMNA KUMAR
39	142U1A0440	KAPULURU HARSHITHA
40	142U1A0441	KASULA SREEJA
41	142U1A0442	KATIKALA VASUNDHARA

42	142U1A0443	KATURU SAI SIREESHA REDDY
43	142U1A0444	KOLAMALA JHANSI RANI
44	142U1A0445	KOTAKONDA ANUSHA
45	142U1A0446	KULLA DIVYA
46	142U1A0447	KUNCHALA HIMAKHAR
47	142U1A0448	LAKKAKULA VIJAYAKUMAR
48	142U1A0449	MANCHIKALAPATI MANIDEEPIKA
49	142U1A0450	MANUKONDU GURUPRASAD
50	142U1A0451	MAVILLAPALLI VAMSI
51	142U1A0452	MEKALA SAI VENKATA SRAVANI
52	142U1A0453	MODIBOINA YACHENDRA KUMAR
53	142U1A0454	MOHAMMED HEENA
54	142U1A0455	MORAMREDDY RADHA
55	142U1A0456	MUKKU LALITHA SREE
56	142U1A0457	MURARISSETTY LAKSHMI PRAVALLIKA
57	142U1A0458	NAGIREDDY JAHNAVI
58	142U1A0459	NANNAM MANUSHA
59	142U1A0460	NELLIPUDI SUSMITHA

S.No	Name of the Faculty	Designation
1	Mr.K.PRABHAKAR REDDY	Asst.Professor,ECE
2	Mr.G. KIRAN KUMAR	Asst.Professor,ECE
3	Ms.K.BHAVANA	Asst.Professor,ECE
4	Ms.Sk.SHAHINA	Asst.Professor,ECE

  
Faculty Incharge

  
HOD ECE



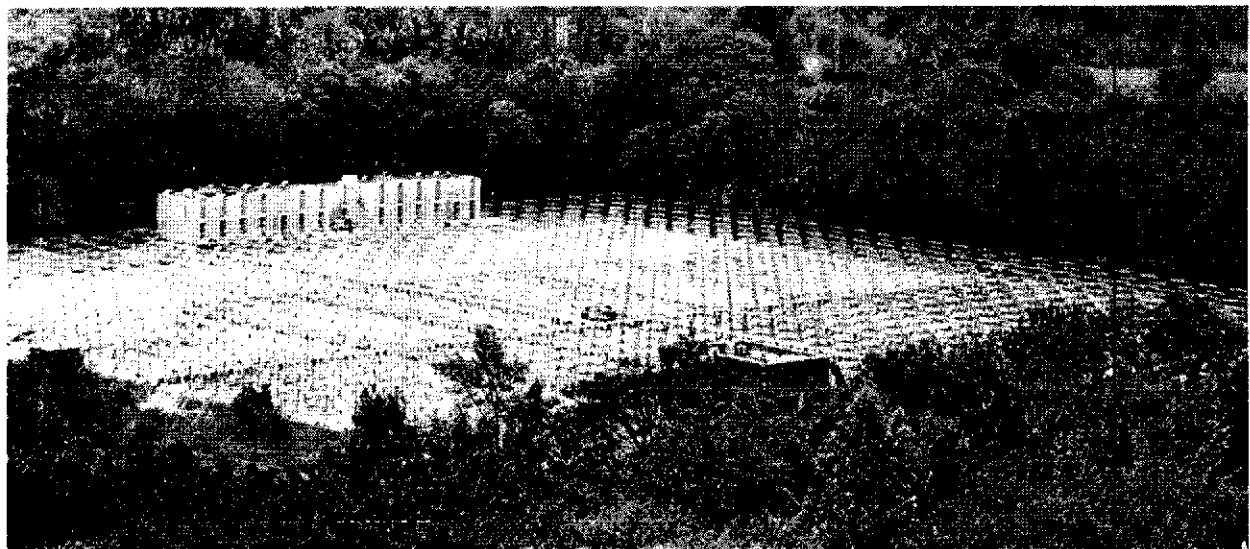
## Report on NARL Visit Dated on 13-10-2017

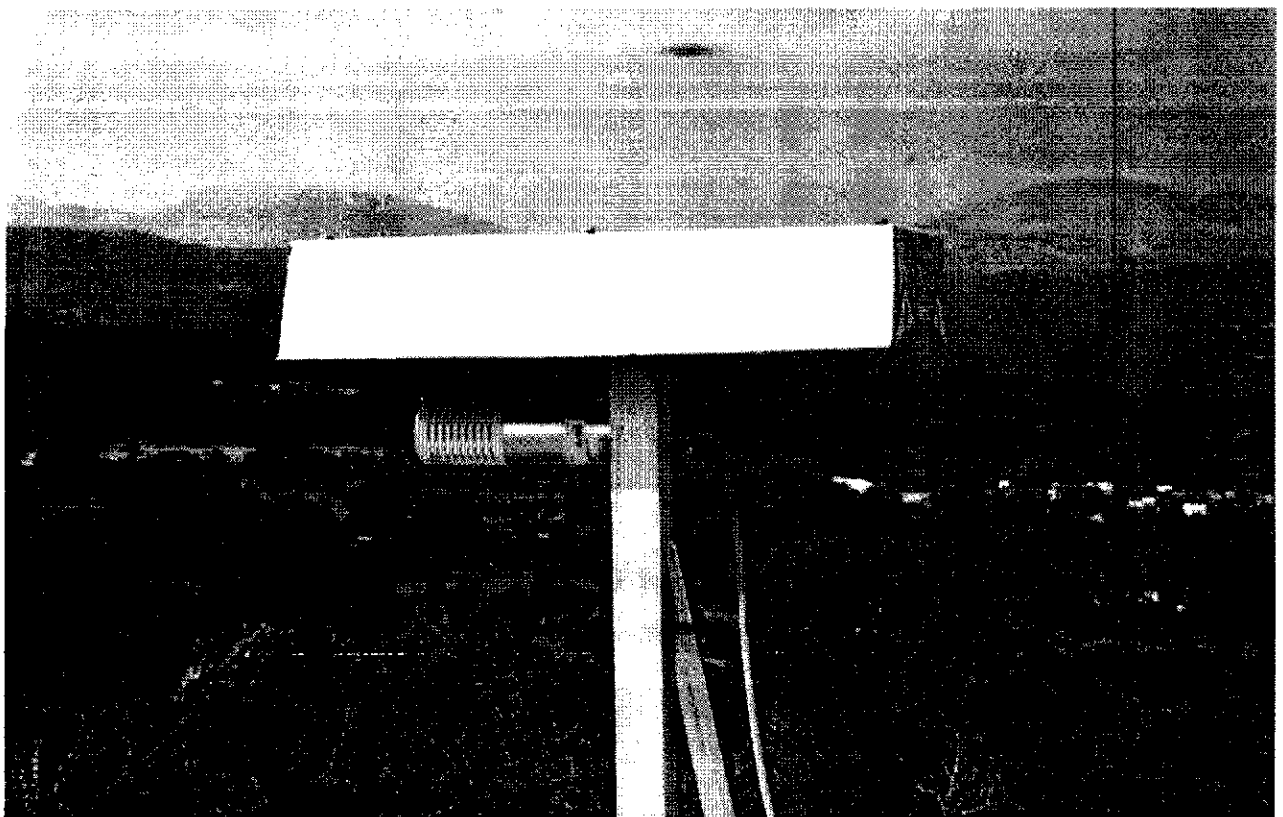
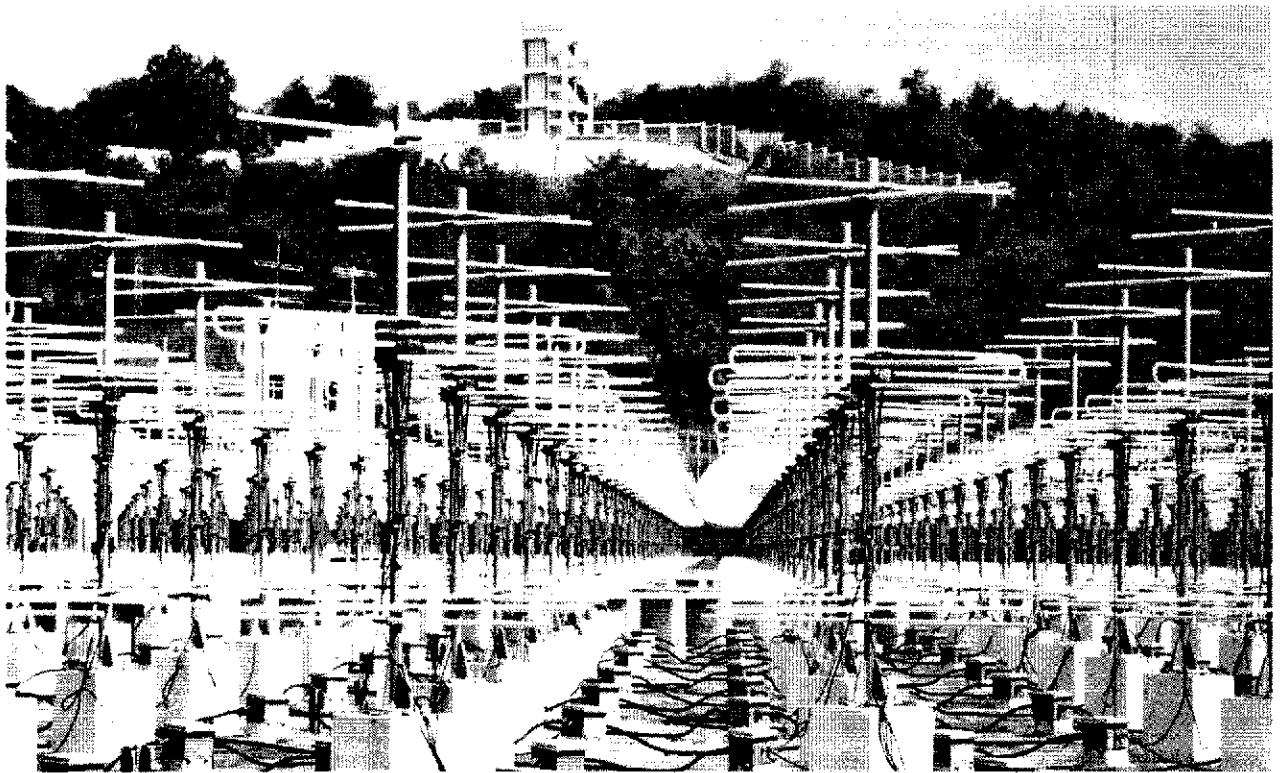
NARL is an autonomous research laboratory fully funded by the Department of Space, Government of India and involved in carrying out fundamental and applied research in Atmospheric and Space Sciences. NARL has now become one of the prime centers for atmospheric research in the country and operates a state-of-the-art MST radar, Rayleigh/ Mie Lidar, Boundary Layer Lidar, Sodium Lidar, Lower Atmospheric Wind Profiler, Sodar, Disdrometer, Optical Rain Gauge, Dual frequency GPS receiver, Automatic Weather Station apart from regular launching of the GPS balloon sonde.

National Atmospheric Research Laboratory (NARL) at Gadanki near Tirupati, an autonomous society supported by DOS, is a centre for atmospheric research. NARL is involved in technology development, observations, data archival, dissemination, assimilation and modeling. NARL carries out its research activities under seven major groups, namely, Radar Application and Development Group, Ionospheric and Space Research Group, Atmospheric Structure and Dynamics Group, Cloud and Convective Systems Group, Aerosols, Radiation and Trace Gases Group, Weather and Climate Research Group and Computers and Data Management Group. Apart from these groups, there are also specific projects such as the LiDAR project and Advanced Space-borne Instrument Development project.

### Impact analysis:

1. The students gain better 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 better practical exposure on Radar systems.
3. After the Industrial Visit to NARL, the students get motivated to appear for entrance test conducted by NARL.







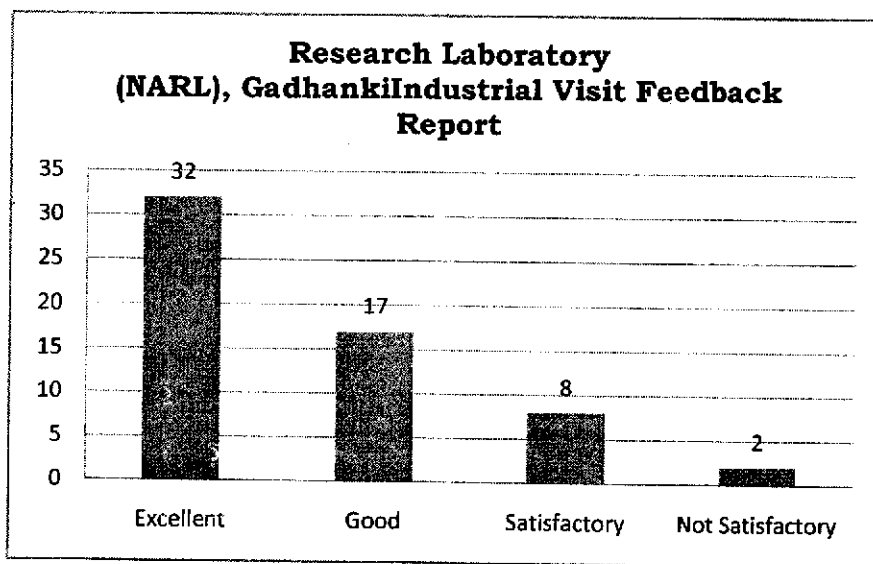
**FEEDBACK ANALYSIS REPORT**

The student's feedback on Industrial Visit to "National Atmospheric Research Laboratory (NARL), Gadhanki" on 13-10-2017 is presented below:

Category: Students Feedback

Total number of Students recorded feedback: 59

Total number of questions attempted: 10



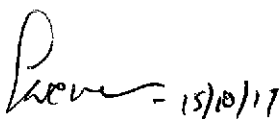
From the above graph it is clear that more than 80% students gave the overall feedback as Good and the students are well satisfied with the Industrial Visit.




**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 2018-19

  
Faculty In-charge

  
HoD



AY 2017-18

Industry Institute Coordination Cell (IICC)

Satish Dhawan Space Centre SHAR, Sriharikota

Dt: 01.09.2018


SNO	STUDENT/STAFF NAME
1	AKKIPEDDI SRI SATYA SRAVANI
2	AKULA SUPRAJA
3	BAKKEDDULA VEERA HANUMANTH REDDY
4	BALABOMMALA NAGA LAKSHMI MANOGNA
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35	MURARISSETTY LAKSHMI PRAVALLIKA
36	NAGIREDDY JAHNAVI
37	NANNAM MANUSHA
38	NELLIPUDI SUSMITHA



39	THATIPARTHI DIVYA BHARATHI (TRANSFER)
40	NIMMALA ANITHA
41	PACHAVA VENGAMAMBA MOUNIKA
42	PAGADALA KHESSHAWA KUMAR
43	PAGADALA MADHURI
44	PANTA SAIDEEPIKA
45	PATNAM GEETHA
46	PATTEM SREENIVASULU
47	PULICHARLA SRUTHI
48	PUTTA DEVIKA
49	PUVALLA SAI LAHARI
50	RAJALA SRILAKSHMI
51	SARANGAM SAI BHAVYA
52	SEELAM PRAVALLIKA
53	SHAIK ANZALA NOOR
54	SHAIK ARIFA
55	SHAIK ARSHIYA BANU
56	SHAIK BEBEJAN
57	SHAIK RAHILABHANU
58	SHAIK RAKHIYA
59	SHAIK SALMA
60	SHAIK SHABNAM
61	SHAIK SUHANA
62	SHAIK SUMEERA
63	SUNKARA KEERTHANA
64	SYED MAHIN TABASSUM
65	SYED ZAKRIYA
66	THAMBI SETTI SRUTHI LIKHITHA
67	THATIPARTHY KEERTHI
68	THUPILI PRADEEP KUMAR
69	UPPALA LIKHITHA
70	VARIGONDA NANDINI
71	VENUMBAKA THANUSHA
72	VISWANADHAM NAGA NIKHILA
73	YARASI THEJASWINI
74	YERRAMALA PRATHYUSHA
75	KATARI VENKATESWARLU
76	PALLA KRISHNAKISHORE
77	GOWRABATHINA RAJESH
78	GUNDALA VEENA REDDY
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100	PATNAM GEETHA

SI.No	FACULTY NAME	Designation
1	MAHESH KUMAR MULAKALA	Asst.Professor
2	SREENIVASULU SAMADHI	Asst.Professor
3	M SUHASINI	Asst.Professor
4	CH DURGATEJASWI	Asst.Professor
5	SK SHAKEER BASHA	Asst.Professor

  
Faculty Incharge

  
HOD ECE



## Report on SHSC SHAR Centre, Sriharikota on 01-02-2018

Report on industrial visit to **SHATISH DAWN SPACE CENTER (SDSC) SHAR, SRIHARIKOTA, NELLORE Distt** /by IV B.Tech ECE A, B – 100 students on 01-02-2018

It gave us immense pleasure in visiting **SATISH DAWN SPACE CENTER (SDSC) SHAR, SRIHARIKOTA, NELLORE Distt** on 01-02-2018. SDSC SHAR is one of India's primary space center subordinated to Vikram Sarabhai Space Center Indian Research Organization –department of Space, founded by Government of India and involved in the launch complexes provide complete support for vehicle assembly, fuelling, checkout and launch operations. Apart from these, it has facilities for launching sounding rockets meant for studying the earth's atmosphere.

As a part of it, we covered SHAR LIBRARY, LAUNCH PAD 1, STATIC TEST CENTER, TELEMETRY AND TRACKING CENTER, and MISSION CONTROL ROOM. The technical information provided by the SDSC SHAR team is so informative and details of them are enclosed. Finally, with the kind cooperation of the students, the coordinators and the technical team of SDSC SHAR, the visit went on successfully. We thank the management for providing such an opportunity to visit SDSC SHAR.

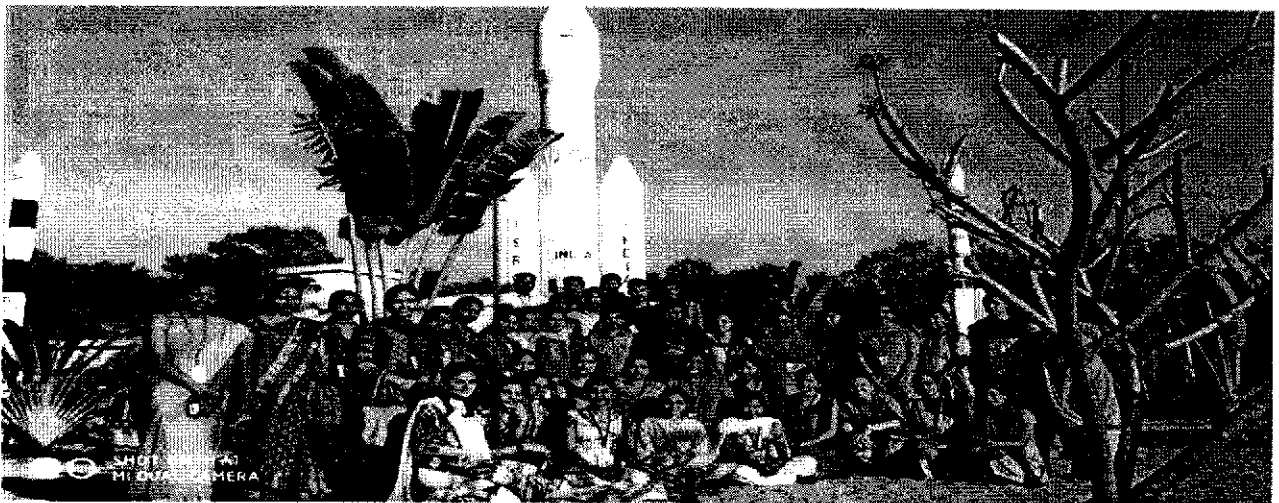
India has established a strong infrastructure for executing its space programme. They include facilities for the development of satellites and launch vehicles and their testing; launch infrastructure for sounding rockets and Satellite Launch vehicles; telemetry, tracking and Command Window, data reception and Processing Systems for remote sensing. A number of academic and research institutions as well as industries participate in the Indian Space Programme. Several Indian industries have the expertise to undertake sophisticated jobs required for space systems. Among them SDSC SHAR is one of India's primary space center subordinated to Vikram Sarabhai Space Center Indian Research Organization –department of Space, founded by Government of India and involved in the launch complexes provide complete support for vehicle assembly, fuelling, checkout and launch operations

The Centre has two operational orbital launch pads. SHAR is ISRO's satellite launching base and additionally provides launch facilities for the full range. The Vehicle Assembly, Static Test and Evaluation Complex (VAST, previously STEX) and the Solid Propellant Space Booster Plant (SPROB) are located at SHAR for casting and testing solid motors. The site also has a Telemetry Tracking & Control centre, Liquid Propellant Storage and Servicing Facilities (LSSF), the Management Service Group and Sriharikota Common Facilities. The launch complex was commissioned in 1990. It has a 3,000 tonne, 76.5 m high Mobile Service Tower (MST) which provides the SP-3 payload clean room. The solid propellant space booster plant (SPROB) processes large size propellant grains for the satellite launch vehicles. The Static Test & Evaluation Complex (STEX) tests and qualifies different types of solid motor for launch vehicles. The closed centre at SHAR houses computers and data processing, closed circuit television, real-time tracking systems and meteorological observation equipment. It is linked to three radars located at Sriharikota and the five stations of ISRO's Telemetry, Tracking & Command Network.

The propellant production plant produces composite solid propellant for rocket motors of ISRO using ammonium perchlorate (oxidiser), fine aluminium powder (fuel) and hydroxyl terminated polybutadiene (binder). The solid motors processed here include those for the first stage booster motor of the Polar Satellite Launch Vehicle (PSLV) — a five segmented motor of 2.8 m diameter and 22 m length, weighing 160 tons with a thrust level of 450 tons.

**Impact analysis:**

1. The students gain better practical exposure on signal processing and image processing to enhance their knowledge in Digital Signal Processing course and get excellent results in their curriculum.
2. The students gain better practical exposure on Radar systems and get good results in their curriculum.
3. After the Industrial Visit to SDSC SHAR, the students get motivated to appear for entrance test conducted by SHAR.





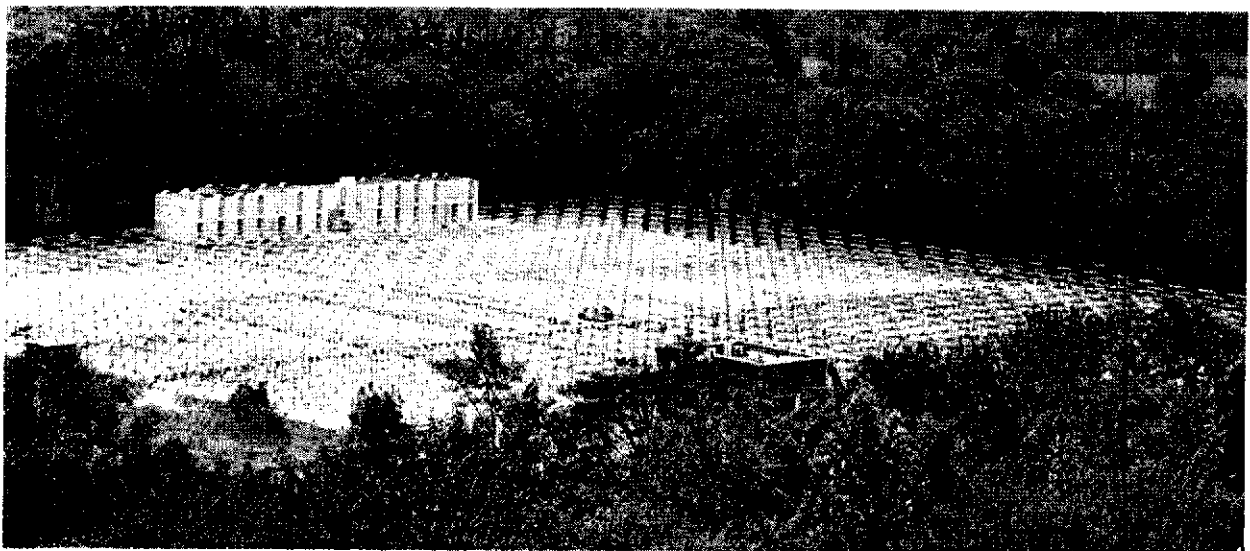
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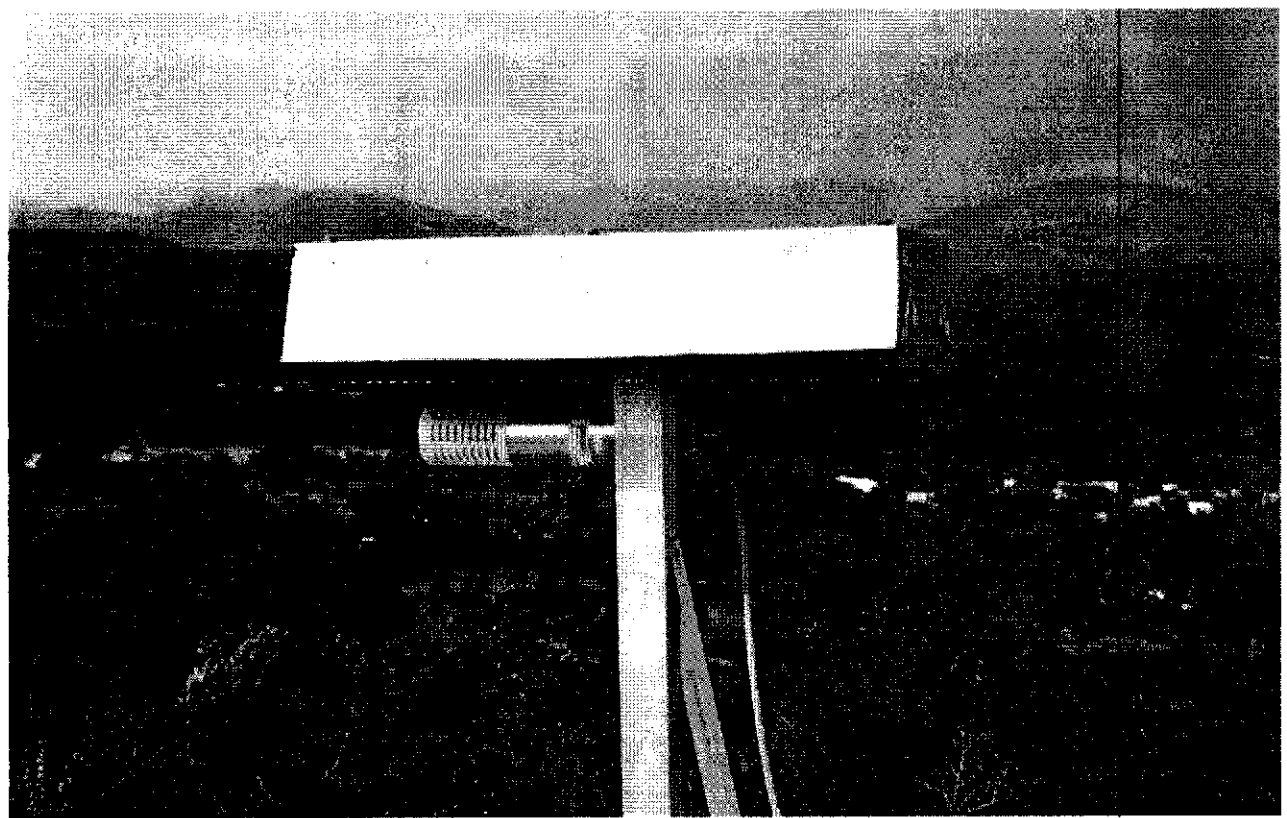
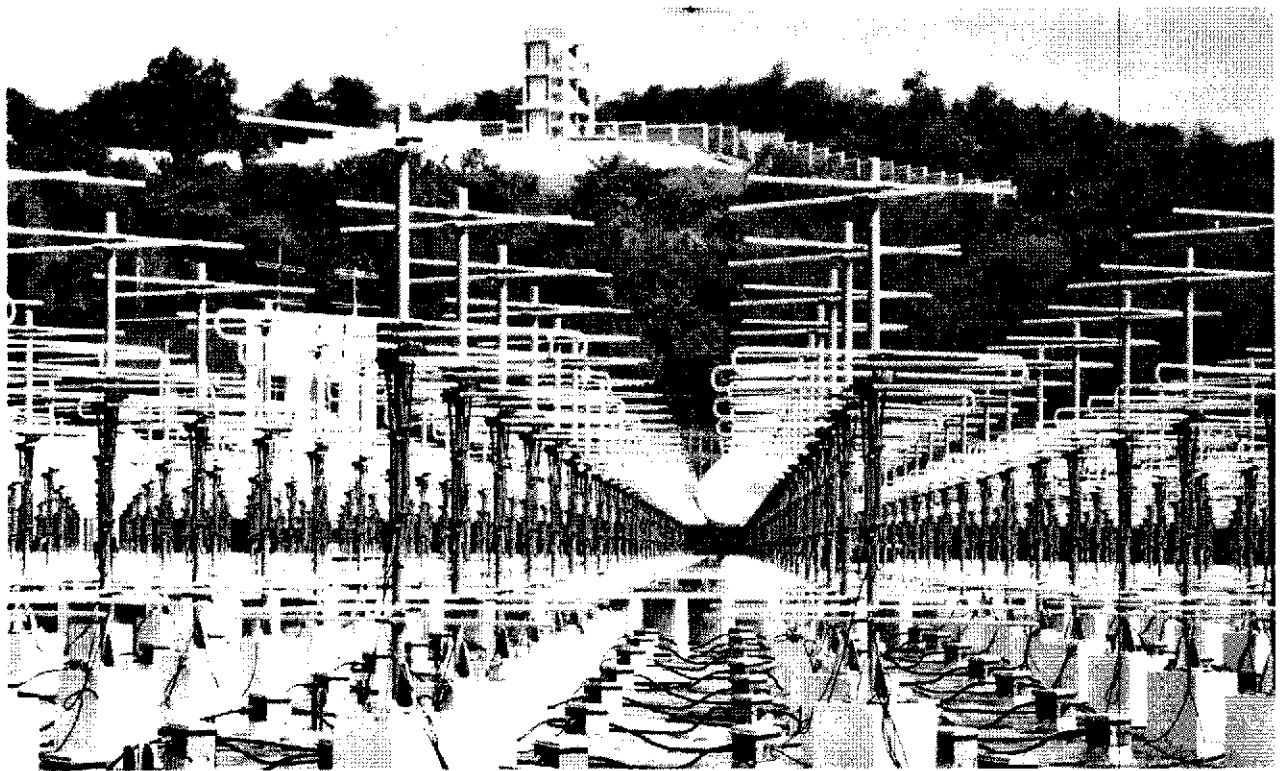
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GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY : : NELLORE  
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

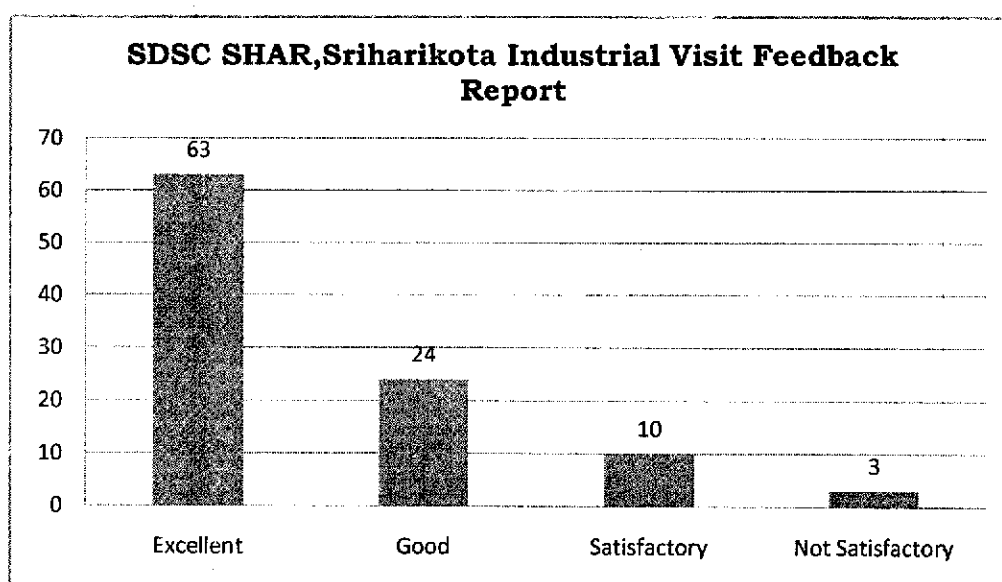
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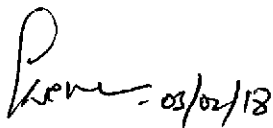
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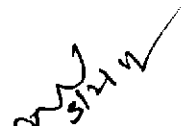


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