UNIVERSITY COLLEGE OF ENGINEERING

Rajah RajahNarendra Nagar, Rajamahendravaram – 533 296, E.G.Dist., A.P. INDIA.

Dr V Persis Principal Mobile No:+91- 9866492711 Email: principal.aknuce@gmail.com

> Date : 23 - 03 – 2022, Rajamahendravaram.

To,

Head, Public Outreach and Space Museum Satish Dhawan Space Center , SHAR Sriharikota-524124.

Sir,

Sub : Permission to visit Space Museum and facilities at SHAR - Request - Reg

I am glad to inform you that University College of Engineering in Adikavi Nannaya University Campus was started during the academic year 2016-17 with 90 seats in 3 courses of B. Tech in CSE, IT, EIE and Electronics and Communication Engineering branch was started from the academic year 2017-18 with intake of 60 seats. Now the University College Engineering runs with 5 Course of B. Tech in CSE, EIE.ECE, Civil Engineering and Mechanical Engineering. Since its inception, University College of Engineering becomes synonymous with good discipline, academic excellence, good results and excellent placement record. Apart from imparting quality education, the college encourages the students to organize Workshops, Seminars, Technical Symposiums, Industrial Visits and participate in various co-curricular and extra-curricular activities. As part of their curriculum, the students are expected to make visits to organizations like yours to get practical exposure.

I shall be grateful if you extend co-operation by according permission to our 3rd Year Electronics and Communication Engineering students (72 No's) to visit Space Museum and the other facilities at Satish Dhawan Space Center on 16th April 2022 along with Three faculty members. If this date is not feasible, please suggest an alternative date in the same week.

I also request you to arrange an interaction session with two or more executives of your esteemed organization, which will enable our students to acquaint themselves with different aspects of your organization. I assure you that the students will not cause any inconvenience to you during the visit.

We look forward for favorable reply from you.

Thanking you Sir,



With Regards

Principal Principat/C~ university College of Engineering Adikavi Nannayya University RAJAHMUNDRY-533.296 (A.P.

website :www.nannayauniversity.info

भारत सरकार अन्तरिक्ष विभाग



Government of India Department of Space Satish Dhawan Space Centre SHAR

Sriharikota Range P.O. 524 121, Nellore Dist., A.P., India Telephones : +91-8623-245060 (10 Lines) Fax : +91-8623-225160

GD/MSG/Visits/2022

सतीश धवन अन्तरिक्ष केन्द्र

टेलिफोन:+91-8623-245060 (10 जं)

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नेल्लर जिल्ला, आंप्र., भारत

फेक्स:+91-8623-225160

April 26, 2022

Sub: Permission for Visiting SDSC SHAR Facilities – Reg.

This has the reference to your email/letter with the above subject. In this regard, kindly note that you may visit the Centre as per the date and time given below:

- ★ Approval Ref.No.
- ★ Date of Visit
- ★ Reporting Time
- * No. of Persons Permitted
- : 022/2022
 : 10.05.2022 (Tuesday)
 : 09:00 hrs.
 : Max. 100 only (Including Staff & Vehicle Crew)

Kindly confirm your visit either by Fax 08623-225082 or e-mail:ppo@shar.gov.in. If no confirmation is received (along with the visitors list) from University College of Engineering, Adikavi Nannaya University, Rajahmundry, on or before 04.05.2022, we presume that you have dropped your programme.

Please go through the General Guidelines printed over-leaf for further details.

For any queries / help, please do not hesitate to write / contact us (Ph.No. 08623 – 226092 / e-mail:ppo@shar.gov.in)

Wishing you a happy visit.

With regards.

(P Gopi Krishna) Group Director, MSG

पी. गोधी कृष्णा P. Gopi Krishna समूह निदेशक Group Director एमएसजी MSG एसडीएसरीी शार SDSC SHAR

To Principal University College of Engineering Adikavi Nannaya University Rajahmundry – 533 296, A.P.



UNIVERSITY COLLEGE OF ENGINEERING

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Dr V Persis Principal

Mobile No:+91- 9866492711 Email: principal.ucoe@aknu.edu.in

From :

The Principal University College of Engineering Adikavi Nannaya University Rajamahendravaram, East Godavari District, Andhra Pradesh To.

Public Relation Officer

Head, Public Outreach and Space Museum Satish Dhawan Space Center, SHAR Sriharikota-524124.

Sir.

Sub : Details for Visiting SDSC- SHAR - -Reg

With reference to your approval letter No:02/2022, we are very much thankful to you for permit to visit our students to SDSC-SHAR Sriharikota on 10-05-2022. In this connection, Here I attached the list of Students and Our staff and also the contact details of Visit Coordinator for further Communication.

Name of the Visit Coordinator	: P.Venkata Ratnam
D. · ··	: Assistant Professor, Department of ECE
Mobile No	: 9848791413
e-mail Id	: pvr.ece@aknu.edu.in

I also request you to arrange an interaction session with executives of your esteemed organization, which will enable our students to acquaint themselves with different aspects of your organization. I assure you that the students will not cause any inconvenience to you during the visit.

Thanking you Sir,



With Regards intversity College of Engineering Adikavi Nannayya University RAJAHMUNDRY-533 296 (A P

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04-05-2022.



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Principal

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Details for Visiting SDSC-SHAR Facilities

Approval Ref.No : 022/2022 Organization Name & Address : University College of Engineering

Adikavi Nannaya University Rajamahendravaram, East Godavri District , Andhra Pradesh

Date of Visit : 10-05-2022 Contact No : Principal : 9866492711

Faculty : 9848791413

SI.No	Student Name	Age	Class/Branch & year	Aadhar No	Organization ID No. (Roll Number)	Contact No.
1			ECE 3rd			
	ADAPUREDDI LOVA RAJU	21	year	651784621025	198297603001	7569844787
2	A.Vijaya Lakshmi		ECE 3rd	and the set with a		
-		20	year	892954704295	198297603002	8340945662
3	Asula sanjay	20	ECE 3rd			
	, ioura sarijay	20	year	538185235923	198297603004	9441909720
4	CHINTHADA HEMANTH	10	ECE 3rd			
2.9	OTHER ANTA	19	year	829690200895	198297603007	8374756832
5	Gandrala sahith vamsi	00	ECE 3rd			
	Cantrala Samur Vallisi	20	year	66233958 0347	198297603010	6305657477
6	Anvesh	00	ECE 3rd			
	Anvesti	20	year	340193507522	198297603011	703219398
7	Kandrogulo Kanunaluumat		ECE 3rd			
1	Kandregula Karunakumari	20	year	83136023 5182	198297603013	8688454344
8			ECE 3rd			
0	KARE YESWANTH RAJ	19	year	863308895539	198297603014	9642776853
9	KOLLATINGUNUKA		ECE 3rd			
9	KOLLATI MOUNIKA	20	year	840783833290	198297603015	939036475
10			ECE 3rd			
10	KOTA JANAKI RAM	20	year	859048483814	198297603017	7095305425
11			ECE 3rd			
11	Lingam Anand	21	year	50134957 1004	198297603020	7997421946
10		1 1 1	ECE 3rd			
12	Madduri Vyshnavi	20	year	901490496543	198297603021	9390866196
10			ECE 3rd		THAT WAS DONNER	
13	Manepalli.Manila	20	year	491048001773	198297603022	9059928318
			ECE 3rd		ALATA BUTTOR	
14	M.Ravi chandra	20	year	340137548904	198297603023	8919355174
	and the providence of the second s		ECE 3rd			
15	M.Ashika Vency	19	year	948768627844	198297603024	738608041
			ECE 3rd		I TANK MANAGER	
16	N sneharamkumar	20	year	833278840203	198297603025	938162789
		1111	ECE 3rd	1 S BIAN		
17	N.Madhusree	19	year	500480956646	198297603029	949301972
			ECE 3rd			
18	Pakki vinay	21	year	313275577495	198297603032	996354729
			ECE 3rd			
19	Naveen pallepogu	20	year	979217192670	198297603034	938106820
		20	ECE 3rd	010211102010	100201000004	000100020
20	Navya peetala	20	year	998421329791	198297603035	939028437
20	nu ja pootala	20	ECE 3rd	000421020101	130237003035	333020437
21	P.Kiran Sameer	20		265225566400	100007000000	050000504
21	F.Mian Sameer	20	year	265335566188	198297603036	852292534



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	22	Porophily		ECE 3rd	1		
		Poranki Vasu Ramachandra Raju	20) year	884827667234	1000070-00	1
	23	Pothala Purna Chandra Naidu		ECE 3rd	00402/00/234	198297603037	6281776246
			21		254743384333	198297603038	7386194359
-	24	P.Satish	21	ECE 3rd			1300194359
	25			ECE 3rd	664839865018	198297603039	7013642612
-	23	S.Pavan Sai Srikanth	20	year	287766294277	100000000000000000000000000000000000000	
	26	Sowbhagya samireddy		ECE 3rd	201100294211	198297603042	8688979642
		somenagya samireddy	19	Joan	713900593951	198297603043	9963614188
	27	Shaik ashish nawaz	20	ECE 3rd	a strangenter	100207003043	3903014188
	20		20	ECE 3rd	413524157214	198297603045	9666456893
+	28	Sk.Rameez	21		221104463259	10000700000	
	29	LAKSHMINARAYANA SINGILIDEVII		ECE 3rd	221104403259	198297603046	6301819933
F		SINGILIDEVII	21	year	954894954072	198297603048	9381890985
	30	BABY TALARI	00	ECE 3rd		100201003040	9301090985
			20	Joan	662562708045	198297603051	6305716659
-	31	TANTAPUREDDY UMA MAHESH	19	ECE 3rd year	270400050000		Constant of the second
	32			ECE 3rd	370196953889	198297603052	8688148403
F	52	Tatraju Venkatesh	21	year	647764042526	198297603053	9381310244
	33	TVSSANDEEP	00	ECE 3rd		1002070000000	9301310244
			20	year	3478 02202978	198297603054	6281760271
	34	Aravind tumula	20	ECE 3rd vear	750005055004	1 BERNY OF	
	25			ECE 3rd	756805955904	198297603055	9391938941
-	35	U. Harika	20	year	659942059525	198297603056	8341461107
	36	V.s.sridhar naik		ECE 3rd	Stand Mark	100207000000	0341401107
		v.s.shuhai haik	19	year	685142377702	198297603057	9959468589
	37	V.Sriya Sarvani	19	ECE 3rd year	761150000070	10000	
			10	ECE 3rd	761159229379	198297603058	9390564859
-	38	Vendra Gemini Jayanth	20	year	544922981723	198297603059	7702704296
	39	Vidyapati. Karthik Yellu Jagadeesh	21	ECE 3rd		100207003039	7702704386
-	55			year	339605406276	198297603060	9381264667
	40		20	ECE 3rd	100010000115		SA PALANCE
			20	year ECE 3rd	463812826415	198297603062	8790087941
_	41	Nemala Devi Priyanka	20	year	924545903071	198297603066	0014044400
	12		all an	ECE 3rd	021010000071	130237003000	9014941166
-	42	P sai krishna srinivas	20	year	7544 8903 329	198297603067	9490289307
	43	P.Preethi Susmitha	10	ECE 3rd			
			19	year ECE 3rd	543915340628	198297603069	8309758369
4	44	P. RANJITH KUMAR	20	year	598801801939	198297603070	0400040450
				ECE 3rd	00001001005	190297003070	9182248450
4	15	Tigiripalli vijay kumar	22	year	843756767907	198297603071	7799143201
4	16	A.Bhagya Lakshmi	21	ECE 4th year	970933901920	188297603001	6309503669
4	17	Allu Nikhila	21	ECE 4th year	656577371487	188297603002	
4	8	BADUGU MERCY GOLD	20	ECE 4th year	465926031040		6304880868
4	9	Bevara kameswari	20	ECE 4th year		188297693003	8309116121
	0	Bourubilli Vanisri	21		974125348620	188297603004	8465950115
5		Karishma Chelluboyina		ECE 4th year	261851776987	188297603005	6281321994
5			20	ECE 4th year	644439725995	188297603006	9398236009
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52	Davada Carrow Histor					
53	Devada Govardhini	21	ECE 4th year	654283457203	188297603007	6305660044
	Sai Anil Kumar Deyyala	.21	ECE 4th year	620860365812	188297603008	8096022707
54	Godi keerthi komal	21	ECE 4th year	929854783388	188297603009	7013719933
55	Hemanth Suresh Kumar Koppisetti	04				
56	J.Nitish	21	ECE 4th year	472419335104	188297603010	9381126623
57		21	ECE 4th year	832302118129	188297603011	9502486923
58	K. Durga Prasad	21	ECE 4th year	220074257969	188297603012	8790235398
	Korangi sri venkata sai chaturya	21	ECE 4th year	896411088523	188297603013	9381139447
59	K. Akash	21	ECE 4th year	636099679569	188297603014	9398041791
60	Mahanthi Renuka	20	ECE 4th year	773112636946	188297603015	7993558276
61	Majji Sudha Rani	21	ECE 4th year	482214661801	188297603016	6304016525
62	Matcha Prasanth kumar	21	ECE 4th year	316173326123	188297603018	6301458061
63	Mavuri Dinesh Sai Ganapathi	21	ECE 4th year	978138372158	188297603019	9959552386
64	MEDISETTI KAVYA SREE	21	ECE 4th year	279734613385	188297603020	9381085984
65	Pasupuleti Srivalli	21	ECE 4th year	514623180243	188297603021	7036295361
66	Sanampudi Sobith	20	ECE 4th year	804659135306	188297603022	7670834041
67	SHEIK ASIF MAHABOOB KHAJA RASOOL KAREEM	21	ECE 4th year	507338247704	188297603023	9391451522
68	Udatha R S V V Sai Kumar	21	ECE 4th year	236943625457	188297603024	9573407709
69	Vemulapudi Sai Susmitha	21	ECE 4th year	997513230794	188297603025	8247276696
70	Srikanth Yenugupalli	22	ECE 4th year	467429253434	188297603026	8340096052
71	B. Naveen kumar	21	ECE 4th year	750590000110	188297603027	9133113116
72	D.Yamini	21	ECE 4th year	797584807218	188297603028	6303505334
73	Darapureddy Lokesh	20	ECE 4th year	572563438295	188297603029	9866402415
74	DEYYALA DURGA BHAVANI	21	ECE 4th year	418186556687	188297603030	8341914857
75	Kella Umamaheswari	21	ECE 4th year	769458221529	188297603031	9381646579
76	Vakacharla Sai Dattha	21	ECE 4th year	338106182921	188297603032	7799873125
77	Varigeti Vandana	20	ECE 4th year	213131383493	188297603033	9848442889
78	P.VenkataRatnam	51	Asst. Prof	763139533627	Faculty	9848791413
79	A.Vijaya Durga	35	Asst. Prof	322059269235	Faculty	9989032311
80	B.Annie Keziah	28	Asst. Prof	395759543994	Faculty	8500106868
81	G.Suneela	38	Lab Technician	401148461151	Staff	9440538471



With Regards

Printingapal University College of Enginearing Adikavi Nannayya University RAJAHMUNDRY-533 296 (A.S.

ADIKAVI NANNAYA UNIVERSITY::RAJAMAHENDRAVARAM UNIVERSITY COLLEGE OF ENGINEERING DEPARTMENT of ELECTRONICS AND COMMUNICATIN ENGINEERING

A REPORT ON INDUTRIAL VISIT TO SDSC-SHAR (ISRO)

An industrial visit to SDSC-SHAR (ISRO), Sriharikota has been organized by Department of Electronics and Communication Engineering of ADIKAVI NANNAYA UNIVERSITY, University College of Engineering Rajahmundry, for 78 students of B.Tech III & IV year on 10- MAY-2022 who were accompanied by three faculty members , Mr. A. Vijaya Durga Asst.Prof., Mr. P. Venkata Ratnam Asst.Prof., Ms.Sunella Lab.Asst.,

The objective of the visit was to provide a Technical Exposure to the students about Space Technology and advancements in Technology. The visit not only provided a good insight into the quality of research happening in the area of space technology but also gave great exposure to the students about the future career prospects and areas of research in applied sciences.





ABOUT ISRO AND SDSC SHAR

ISRO is the primary space agency of India and one of the largest space research organizations in the world. SATISH DHAWAN SPACE CENTRE (SDSC) or SRIHARI KOTA HIGH ALTITUDE RANGE (SHAR) is a rocket launch centre operated by Indian space research organization (ISRO). Sriharikota island was chosen in 1969 for a satellite launching station. The centre became operational in Oct 1st 1971. It is located in Sriharikota in Andhra Pradesh. The Sriharikota range has been chosen for its proximity to the equator and to use the rotation of the earth. It is close to lake PULIKAT and it is about 100km north of Chennai and close to the BAY OF BENGAL.



Summary of the Visit

Two buses with students started from ADIKAVI NANNAYA UNIVERSITY, University College of Engineering Rajahmundry at 4:30 P.M. on 09/05/2022.

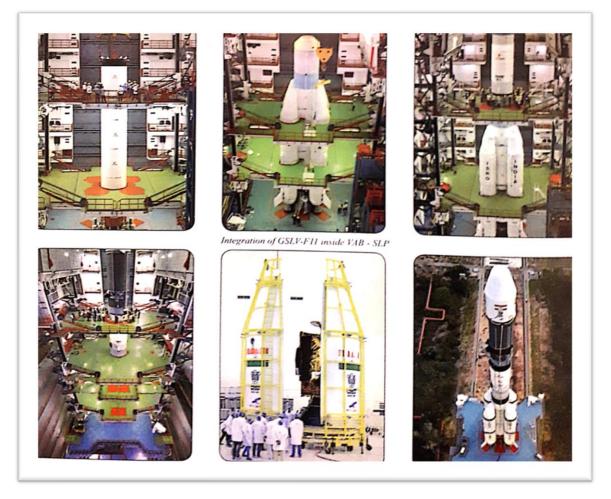


And reached Sullurpet, a nearby town to ISRO at 5:30 A.M, on 10/05/2022 where accommodation was provided to the students and faculty at Lathika Guest Rooms hotel. After Breakfast, we started to ISRO SDSC Centre and reached there by 09.45. A.M.

After several security checks and administrative formalities, Students were taken to a central building. B.P Hall, with the help of Guide **Mr. K.MURTHY NAIK** (Lib Asst) In this place, they were shown a video – 'Gateway to Space' – on the ISRO, its history, and the current facilities available.

THE 'GATEWAY TO SPACE VIDEO'

The GSLV and PSLV are the two launch vehicles used currently by ISRO to launch satellites into the geosynchronous and polar orbits respectively. The GSLV has 3 stages – the first is a solid (fuel) stage, the second a liquid (fuel) stage and the third is a cryogenic stage. The satellites launched so far have applications such as National development/infrastructure, telecom, disaster warnings, resource management, etc The PSLV can launch multiple satellites Simultaneously at a low cost and high reliability.



The various facilities at SDSC were listed and their functions are explained in brief. Weather prediction is another important factor at the time of launch, and the SHAR boasts of this facility too. The latest addition to the SDSC was the S200 propellant plant. The strap on motors, their dimensions and use were elucidated.

The countdown begins at (t-57) hours. At this time, the liquid propellants are filled into the system. At (t-16) hours, the mobile service car is withdrawn and the system is connected to the

Launch and Mission control centre (which are placed 6km from the launch site) through electrical wires only. The cryogenic fuel is set around the launch site. The performance is monitored in real time. At about 17 minutes after blast off, the GSLV completes the mission – puts the satellite in geosynchronous orbit. After this, students were taken to several locations within the SDSC, with a guide to explain the locations.

MISSION CONTROL CENTRE (MCC)

The mission control is the focal point of controlling the vehicle. There are 8 'hold buttons' at different places around the range. In case of abnormalities in subsystems (affecting the health

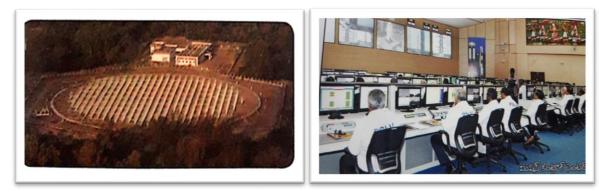


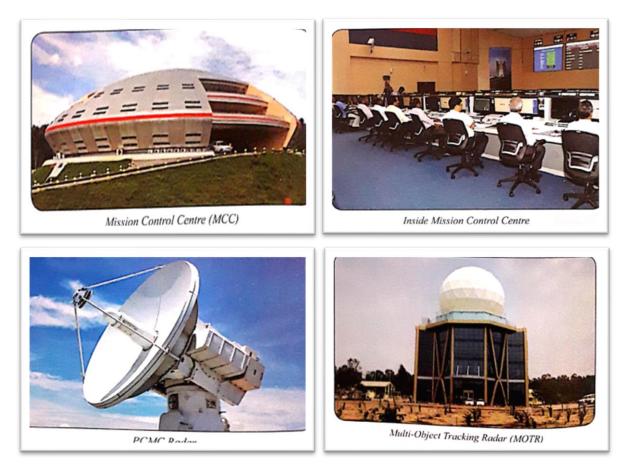
of the rocket), the hold button is used to terminate the countdown. In case the abnormality has been resolved, the first row is used to supervise the control of the launch vehicle.

These computers are connected by Ethernet and fibre optics. There is a separate ring safety server which is controlled by a senior scientist. In case of abnormalities in the path of the rocket, this person can detonate the rocket so that the rocket is blown up over the sea and does not affect neighbouring human population. There are 45 levels of information relating to the launch of the rocket. The vehicle Director authorises the launch at (t16) minutes. An automatic sequence program checks the health of the rocket (with respect to various parameters) and ensures that any deviations in the parameters are within specific limits.

RANGE OPERATION FACILITIES or (MCC)

The Range Instrumentation facilities comprise tracking. telemetry and telecommand systems. High precision radars track the launch vehicle.





The vehicle position information is instantaneously computed in real time from the tracking data and is used for evaluating the performance of the vehicle. The performance data of various systems of the vehicle is acquired by telemetry ground stations.

The Mission Control Centre (MCC), situated about 6 km away from the launch complex, coordinates and conducts the launch operations during the countdown phase fill the injection of the satellite into orbit. Multi Object Tracking Radar (MOTR) is established with indigenous technology for tracking of the launch vehicles, spacecrafts in orbits, aircrafts and Space Debris.

SECOND LAUNCH PAD

This is the location that we see every time a launch is broadcast on television. The rocket is assembled and brought to the launch pad. The rocket is electrically insulated from lightning by 4 lightning protection towers. These towers also house high resolution cameras at several levels



to monitor the various stages of the rocket. These cameras are protected by concrete enclosures. The launch pad itself is about 70m high. This means that the protection towers are even taller. An anchor is present to hold the rocket in place until the time of blast off. Separate pipes are present to deliver cryogenic fuels, which are supplied at 180 degrees Celsius. Finally, there are exhaust deflection ducts which deflect the exhaust gases through underground tunnels to a place which is a few tens of metres away. In case the flame returns to the rocket, balance will be lost and the rocket may topple.



The tunnels are filled with water to reduce pressure and temperature. Also, cryogenic fuel tanks are available in separate towers. Each floor in the launch pad is 4m high. This launch pad is called 'umbilical' due to the presence of the pipes which feed fuel to the rocket. Second Launch

Complex In order to provide additional facilities for launching operational PSLV's, GSLV's and also to have quick turnaround time for launch, an additional launch pad with associated facilities was constructed. It was designed to accommodate, both the present PSLVs and GSLVs, and heavy launch vachile configuration GSLV-MKILL.

This massive facility (52 m x 70 m x 96 m) is three times missions from SLP bigger than the present VAB at SLP.



FIRST LAUNCH PAD

Unlike the 'umbilical' type, this is a pedestal type. The whole tower moves away from the rocket just before the blast off. As there is a PSLV launch in the next month and that process was taking place at the time, entry was denied and we were allowed to see this from a distance. The first launch pad and its associated facilities were built in the late 1980s, primarily for the PSLV launch requirements. Later, they have been modified for the GSLV launch requirements. It was built on the concept of 'Integrate on the Pad', according to which, the individual stages of launch vehicle are brought from their preparation facilities, one after the other and integrated one over the other on the launch pad itself.

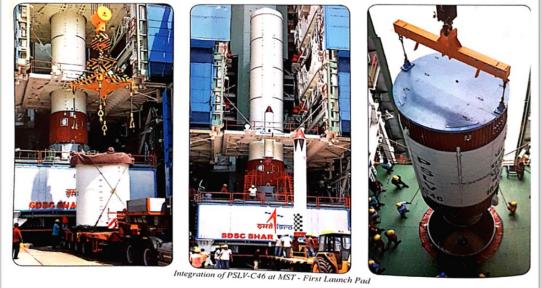
The Mobile Service Tower (MST) equipped with foldable and vertically repositionable access platforms facilitates the integration activity. The spacecraft, which is checked thoroughly and



fuelled at its preparation facilities arrives at the launch pad and gets integrated with the launch vehicle. A few hours before the launch, the MST is moved away from launch pad on a rail track. Separate storage, transfer and servicing facilities are available for earth storable liquid propellants such as UH25 and N, O, and cryogenic propellants such as Liquid Oxygen and Liquid Hydrogen. These propellants are fed into the onboard tanks through fluid circuits. The filling operations, which are automated, are controlled and monitored from the Launch Control Centre (LCC), situated 6 km away from the launch pad. A few hours before the launch, the MST, which weighs about 3200 tons moves slowly to its parking place on 32 wheels, 8 nos. in each corner, on a twin rail track leaving the launch vehicle on the launch pedestal.

Following the final remote checkout and fuelling operations, through the Umbilical tower which houses cable and pipe connections, exactly at 'T-O' of countdown the vehicle takes-off. As the National requirements of the number of launches are increased, Government of India approved the construction of Second Launch Pad (SLP) at SDSC SHAR. Now, FLP is also getting further augmented with PSLV Integration Facility (PIF) in another one year with which 12 to 15 PSLVs can be launched from the FLP itself. After the modifications carried out for PIF at FLP only the PSLVs can be launched from there and GSLVS can continue to fly from SLP.







PS3 & PS4 integration



Heatshield assembly at MST



Withdrawal of MST



PSLV-C46 on Pad



PSLV-C46 Lift-off

SPACE MUSEUM

Space Museum provides a tell-tale account of the Indian Space Programme from its infancy. The story of the Indian Space Programme is unfurled in six sections, comprising of history, education, technology, applications, global and the future.

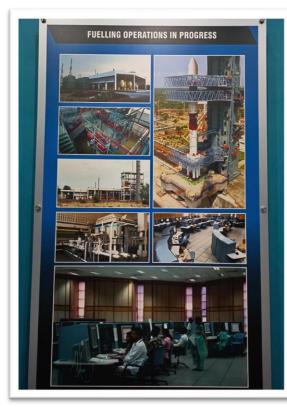














































STUDENTS SHARE SDSC-SHAR (ISRO), Sriharikota EXPERIENCE

Some of the students, share their one-day industrial visit to SDSC-SHAR (ISRO), Sriharikota experiences, they are B. Kameswari, P. Srivalli, M. Kavya Sree, P. Preethi Sushmita, M. Manila are shared their experiences on a one-day industrial visit to SDSC-SHAR (ISRO), SDSC-SHAR visit in the form of a presentation on the purpose, utility and Sriharikota. experience of the visit. Barnwal Apprised the students of various aspects of SDSC-SHAR visit. They said that SDSC-SHAR was established in Sriharikota island was chosen in 1969 for a satellite launching station. The centre became operational in 1971. Because It Located nearer to the equator, Sriharikota is the ideal launch site for geostationary satellites. Sriharikota is ideal for eastward launches. SHAR's location on the east coast ensures that it gains an additional velocity of 0.4 km/s due to Earth's rotation to easily launch rockets. "Its objective is to provide space related techniques for India. The SDSC-SHAR visit was quite enlightening and exciting. A lot of information related to the space was received from the excursion. Through, presentations, Guide lectures, and excursions, we get detailed information about India's space-related developments," They said giving detailed information regarding Rocket Launching Pads, Satellites, Satellite Launch Vehicle, SLV, PSLV, GSLV-Mk II, Satellite Programme, Human Space Flight Programme, Mission Control etc.

ASSEMBLY AND STATIC TEST AND EVALUATION COMPLEX

Two buildings constitute the complex – the assembly building and the test buildings which are placed adjacent to each other. Motors which are in excess of 2m diameter are present and they are fabricated in Mumbai.



- ✤ At around 1.45. P.M., we had lunch at ARYABHATTA canteen facility at SHAR. After having our Lunch, at around 4.30 P.M.
- We also visit SLV and PSLV and SRC (sound) and we finally visited the Space Museum and the Library facility at SHAR. Here, we were allowed to take the Photographs, where we got an opportunity to know about the History of SHAR with the aid of many models related to the centre.
- ✤ At around 5.30 P.M. in the Evening, the visit was concluded and the students has started to return to Rajahmundry. enroute nellore, and reached Adikavi Nannaya University Rajahmundry on the next day morning at 8.00 A.M.
- We (all students and staff member/s) are very much thankful to the Prof. M Jagannadha Rao, Vice-Chancellor, Adikavi Nannaya University and Prof. T. Ashok Registrar of Adikavi Nannaya University and Prof. S Teki, Principal(I/C) of , Adikavi Nannaya University and Dr.V Persis, Principal of University College of Engineering, Adikavi Nannaya University and Asst Prof.,Mr. Sudha Kiran Head of Electronics and Communication Engineering Department for giving their valuable support.
- ✤ We are also very much thankful to Shri.V. Surendra kumar Scientist/Engineer-SF, Dy. Head, Systems Reliability Entity & Srinivas Reddy Scientist and and Radha kirshna /Lib Head and Gopi Krishna /PPO and other staff for their co-operation during the visit.

SOME PHOTOGRAPHS DURING THE VISIT















A News Paper Article regarding Adikavi Nannaya University, Engineering 3rd & 4th year Students visit to SDSC-SHAR (ISRO), Sriharikota

శ్రీహలికింట సందర్శనకు ఇంజనీలింగ్ విద్యార్థులు



09.05.22 (మీడియా సెల్) అదికవి నన్నయ యూనివర్సిటీ కాలేజ్ ఆఫ్ ఇంజినీరింగ్ లోని ఎలక్ర్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ విద్యార్థులు (శీహరికోటకు పారిశ్రామిక సందర్శనకు వెళ్ళారు. సోమవారం

యూనివర్సిటీలోని పారి(శామిక సందర్శన యాత్రను రిజి(స్టార్ ఆచార్య టి.అశోక్, ఓ.ఎస్.డి ఆచార్య ఎస్.టేకి లు జెందాఊపి (పారంభించారు. పారి(శామిక సందర్శన యాత్ర వివరాలను [పిన్సిపాల్ దా.వి. పెర్సిస్ తెలయజేశారు. ఎలక్షానిక్స్

అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ కోర్పు పాఠ్యప్రణాళికలలో భాగంగా పారిశ్రామిక సందర్శన యాత్రను నిర్వహిస్తున్నా మన్నారు. (శీహరికోట స్పేస్ రీసెర్చ్ సెంటర్ ను సందర్శించేందుకు అనుమతి లభించిందని తెలిపారు. 81 మంది ఇంజినీరింగ్ విద్యార్థులు, అధ్యాపకులు పారితామిక సందర్శన యాత్రకు వెళు న్నారని చెప్పారు. ఇంజనీరింగ్ విద్యార్థులు (శీహరికోట స్పేస్ రీసెర్చ్ సెంటర్ ను సందర్శించి, అక్కడి విషయాలను పూర్తిగా అవగాహన చేసుకోవాలని తెలియజేశారు. భవిష్యత్తులో స్పేస్ రీసెర్చ్ కు సంబంధించిన ఇంజనీరింగ్ పరిజ్ఞానాన్ని పూర్తిగా అవగాహన చేసుకోవాలన్నారు. ఈ కార్యక్రమంలో అధ్యాపకులు విద్యార్థులు పాల్గొన్నారు.