



SRR & CVR GOVT. DEGREE COLLEGE (A) , VIJAYAWADA

DEPARTMENT OF MATHEMATICS

**Report by Smt. K.V. Naga Lakshmi,
HOD of Mathematics.**

Field Tour

- Department conducted prestigious Educational tour to Satish Dhawan Space Centre, SHAR, Sriharikota along with 102 students on 30, Dec, 2019.



Dept of Maths & Stats, SRR & CVR Govt Degree College, Vijayawada

To
The Principal,
SRR & CVR GDC (A),
Vijayawada-520004.

Dt. 10-09-2019.

Respected Sir,

 Sub: Requesting permission for field visit to SHAR, Sriharikota- Reg.

We, the Department of Mathematics, would like to submit to your kind notice that the Department of Mathematics is planning to conduct a field visit to SHAR, Sriharikota, which is an important place to acquire knowledge about rocket Science and to know the Physical, Mathematical laws involved in rocket launching. Hence, we request you Sir kindly permit us to visit SHAR, Sriharikota.

Thanking you Sir.

Yours faithfully,


(In-charge if the Department) 10/9/2019.



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

NAAC accredited with 'B+' Grade

Machavaram, VIJAYAWADA - 520 004. Krishna District.

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Dr. Velaga Joshi, Principal

M.A. (Phil.), M.A. (His.), M.A., (M.C.J.), B.L., M.Phil., Ph.D.,

Date ... 19/11/19

To
The Group Head,
Sathish Dhavan Space Centre, SHAR,
Sriharikota – 524124

Dear Sir,

Sub: Permission to visit SHAR Centre Request Regarding.,
The Students and staff of SRR & CVR Govt Degree College (Autonomous), Vijayawada, Krishna Dt., would like to visit Sathish Dhavan Space Centre, SHAR for an educational tour. I believe that visiting the facility like SHAR will inspire them in science and technology and help them to find the importance of SHAR centre in the development of Indian Economy. We would like to visit in the second week of November, 2019. I am officiating M.Laxshmana Dasu, HOD, Dept of Mathematics, SRR & CVR Govt Degree College, Vijayawada for further communication. Your cooperation in this regard is solicited.

With Regards

9/11/19

PRINCIPAL

SRR & CVR GOVT. DEGREE COLLEGE
(Autonomus)

Machavaram, VIJAYAWADA - 520 004..

Respected sir/Madam,

Greetings from SRR&CVR Govt.Degree College(A), Vijayawada.

We are very happy about your mail sir/madam. In this regard we are confirmed our arrival on given date with our students to visit SDSC SHAR. Thank you sir/madam.

On Dec 24, 2019 9:17 AM,
<ppo@shar.gov.in> wrote:

Dear Sir/Madam,

Please find the enclosed attachments of above subject for your information.

-- With Regards..
Group Director, MSG,
Satish Dhawan Space Centre
SHAR,
Sriharikota-524124

SRR & CVR (A) GDC, Vijayawada

Department of Mathematics

Field Trip to SDSC SHAR on 30 & 31st Dec 2019

Department of Mathematics in collaboration with department of Chemistry, Physics and Statistics organized an educational tour to all the B. Sc students during 30th & 31st December 2019.

Since the goal of education is to impart knowledge to students, they gain knowledge and upgrade their skills by using the new concepts they learn from these educational tours. In addition, educational tours play an important role in educating our students in a practical and interesting manner. The importance of educational trips includes giving students the chance to build closer bonds with their classmates, experience new environments and enjoy a day away from the classroom.

The visit was planned according to the suggestions of our beloved principal Dr. Velaga Joshi; Convener: Dr. G. Lalitha; Incharge of Mathematics Department: K.V. Naga Lakshmi; Members: Dr. G. Nagarjuna, M.L. N. Dasu, Dr. Md. Mastan and Some of the guest faculty members.

Satish Dhawan Space Centre or Sriharikota Range is a rocket launch centre operated by Indian Space Research Organisation. It is located in Sriharikota in Andhra Pradesh

Satish Dhawan Space Centre (SDSC) SHAR, Sriharikota, the Spaceport of India, is responsible for providing Launch Base Infrastructure for the Indian Space Programme. This Centre has the facilities for solid propellant processing, static testing of solid motors, launch vehicle integration and launch operations etc.

The Centre has two launch pads from where the rocket launching operations of PSLV and GSLV are carried out. The mandate for the centre is (i) to produce solid propellant boosters for the launch vehicle programmes of ISRO (ii) to provide the

infrastructure for qualifying various subsystems and solid rocket motors and carrying out the necessary tests (iii) to provide launch base infrastructure for satellites and launch vehicles.

We started from here by Bus on 30th December 2019 night to SDSC SHAR, Nellore. We visited SHAR centre on 31st December 2019. The visit was started with checking at the main gate, and they won't allow mobiles to take along with us. We went to seminar hall over there, where we saw a ppt including brief history of SHAR, reasons to select that area for rocket launching and so many things.

Later on, we went to SPACE museum. The museum has full-scale model of PSLV and PSLV heat shield on its premises. The museum also has scaled down (one fifth in size) models of GSLV, GSLV Mk-III. 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.

Then we moved to launching pads. A **launch pad** is an above-ground platform from which a rocket-powered missile or space vehicle is vertically launched. The Centre has two operational orbital launch pads. The modern First Launch Pad was built in the early 1990s for the polar satellite launch vehicle. Second Launch Complex became operational in 2005 for accommodating PSLV, GSLV and GSLV Mk III launch vehicles of ISRO.

At last, we went to MCC (Mission Control Centre), is a facility that manages space flights, usually from the point of launch until landing or the end of the mission. It is part of the ground segment of spacecraft operations.

We enjoyed the visit a lot, as it gave us an opportunity to understand the importance of spaceport of India and to know well about my students and their nature. We strongly recommend this type of tours would definitely help students to understand basic phenomenon in Physics and Chemistry & Mathematical Laws that were used in Spacecraft operations. And it would be definitely inspired students to pursue higher education in the field of space science and get employability in these kinds of highly prestigious institutions.

SDSC- SHAR Field trip on 31st December 2019



Field trip starting from College to SDSC- SHAR on December 30th 2019, Principal Dr. Velaga Joshi



Arrival at SDSC- SHAR, Nellore on December 31st 2019



Entrance Gate of SDSC- SHAR on December 31st 2019



SDSC- SHAR on December 31st 2019



Faculty of Mathematics & Students inside the SDSC- SHAR on December 31st 2019



Faculty of Mathematics & Students outside the SDSC- SHAR on December 31st 2019



Field trip SDSC- SHAR on December 31st 2019



Field trip SDSC- SHAR on December 31st 2019



Class Room interaction about SDSC SHAR among students of III B.Sc



Class Room interaction about SDSC SHAR among students of III B.Sc.,

DETAILS FOR VISITING SDSC SHAR FACILITIES

Approve Ref. No: GD/MSG/17/2019 Dated:23.12.2019

Organization Name & Address: SRR & CVR Govt. Degree College (A), Vijayawada

Date of visit: 30.12.2019

Contact No: 8885407706

Sl.N O.	Student Name / Staff Name	Age	Class/ Branch & Year	Aadhar No.	Organization ID No.	Contact No.
1.	G. NAGENDRA BABU	18	I B.Sc (MPCs)	543287182124	710	8499953444
2.	GURUBRAHMA	20	III B.Sc (MPCs)	676309965932	710	7780785458
3.	R. SITA MAHALAXMI	20	III B.Sc (MPCs)	346536447117	710	8106175336
4.	V.TEJA SRI	20	III B.Sc (MPCs)	246488647952	710	7093747879
5.	S. PUJITHA	20	III B.Sc (MPCs)	503524921665	710	9110562198
6.	B. DIWAKAR	20	III B.Sc (MPCs)	369927814600	710	8688247401
7.	M. DEVA KUMAR	20	III B.Sc (MPCs)	544456725986	710	7901279687
8.	B. SRIKANTH	20	III B.Sc (MPCs)	502994016185	710	7995681932
9.	N. MANOJ KUMAR	20	III B.Sc (MPCs)	593852132322	710	9346659515
10.	CH. PRATHYUSHA	20	III B.Sc (MPCs)	617452047102	710	8688789177
11.	L. NAIDU BABU	19	II B.Sc (MPCs)	315028041240	710	7013805102
12.	V. PRIYANKA	19	II B.Sc (MECs)	652281256115	710	8074341079
13.	T. VENKATESH	19	II B.Sc (MECs)	564607651113	710	7997027196
14.	G. PRASHANTH	19	II B.Sc (MECs)	471995457966	710	7330832649
15.	CH. HARISH	19	II B.Sc (MPCs)	759673559749	710	8686763017
16.	A. RISHI	19	II B.Sc (MPCs)	339566437191	710	8501096242
17.	G. KAMALAKAR	19	II B.Sc (MPCs)	458811701814	710	9346016147

18.	K. JAYA DURGA SANKAR	19	II B.Sc (MECs)	931195073205	710	6304224121
19.	K. LALITH KUMAR	18	I B.Sc (MPCs)	543896523197	710	9491056267
20.	R. HARIKA	19	II B.Sc (MPCs)	888975664707	710	8121266659
21.	G. YASASWINI	19	II B.Sc (MPCs)	733696626133	710	9390179969

22.	A. BRAHMAIAH	18	I B.Sc (MECs)	900285047756	710	7730050351
23.	V. HEMANTH	18	I B.Sc (MECs)	434308195921	710	9703138866
24.	CHARLES RAJU	18	I B.Sc (MECs)	675282177995	710	7330616341
25.	LOKESH	18	I B.Sc (MECs)	368038359009	710	9133762270
26.	K. SANJEEVA RAO	18	I B.Sc (MCCs)	792649372585	710	6306773834
27.	P. RAVITEJA	19	II B.Sc (MPCs)	874305858714	710	9618698566
28.	MANASA	18	I B.Sc (MECs)	696415333789	710	6302959171
29.	MAHA LAKSHMI SIRISHA	18	I B.Sc (MECs)	610227182052	710	9618989886
30.	KALYANI	18	I B.Sc (MECs)	864319610494	710	8978406937
31.	YESHWANTH	19	I B.Sc (MECs)	880439944871	710	6301063466
32.	M.B SAI KRISHNA	18	I B.Sc (MECs)	733456712014	710	7893838378
33.	DURGA ESHWAR	18	I B.Sc (MECs)	363690386930	710	9381357978
34.	M. AJAY BABU	19	II B.Sc (MPCs)	267878595397	710	9951326029
35.	G. KOMAL	19	II B.Sc (MPCs)	896223038859	710	9391693546
36.	M. GUPTA	19	II B.Sc (MPCs)	367264553846	710	9550268768
37.	K. ROHAN	19	II B.Sc (MPCs)	872729499724	710	6302488461
38.	S. SIMHACHALAM	19	II B.Sc (MPCs)	397829519086	710	8187839214
39.	R. ROOPESH	18	I B.Sc (MECs)	725194379810	710	9640087652
40.	J. AVINASH	18	I B.Sc (MECs)	643560547805	710	6300470070
41.	THERISA(KANCHICHERL A	18	I B.Sc (MPCs)	822937327719	710	7702496491

42.	B. KRANTHI KOTI	20	III B.Sc (MPC)	678065248613	710	8897716003
43.	M. RAKESH	18	I B.Sc (MPCs)	308220700598	710	6303879882
44.	U. VASU	20	III B.Sc (MSCs)	428955068601	710	8466823656
45.	CH. SARAT KUMAR	18	II B.Sc (MPC)	954300320738	710	9347722648
46.	M. SIVA	20	III B.Sc (MPC)	600035047491	710	7731094722
47.	S. ANIL KUMAR	20	III B.Sc (MECs)	942045349651	710	7995287608
48.	E. KALYAN KUMAR	20	III B.Sc (MECs)	838351307896	710	9030976261
49.	V. SAMUEL JOHN	20	III B.Sc (MECs)	482875917471	710	8919010099
50.	S. SAI VISHWAK	20	III B.Sc (MECs)	620733692579	710	9491406110
51.	U. RAJU	20	III B.Sc (MECs)	319732377341	710	6288045875
52.	K. PAVAN KUMAR	20	III B.Sc (MECs)	856713442029	710	8801362214
53.	M. SHYAM KUMAR	20	III B.Sc (MECs)	669628046987	710	9398768424
54.	VANI	20	III B.Sc (MECs)	502996407788	710	9848634994
55.	BHAVANI	20	III B.Sc (MECs)	457181937198	710	7993612195
56.	B. JANEESHA	20	III B.Sc (MECs)	462597758275	710	6305815753
57.	VAHID	20	III B.Sc (MECs)	762825442604	710	6301371384
58.	M A. SAI KRISHNA	18	I B.Sc (MECs)	701473494940	710	9390161065
59.	M. BHAVYA	18	I B.Sc (MCCs)	964942353078	710	9652280513
60.	K. BHAVANI	18	I B.Sc (MCCs)	573452805129	710	7569522247
61.	R. RAVINIAIAK	18	I B.Sc (MPC)	446134427605	710	8099750225
62.	SK. DURAN	18	I B.Sc (MECs)	333465056422	710	7330815687
63.	CH. DURGA PRASAD	18	I B.Sc (MPC)	249850502180	710	6305638756
64.	G. NAVEEN KUMAR	20	III B.Sc (MPC)	687406499971	710	9063167185
65.	REVATHI	18	I B.Sc (MSCs)	473356470245	710	6309070713
66.	A. LAVANYA	18	I B.Sc (MPCs)	690422460370	710	7095965595

67.	CH. PRUDHVI	18	I B.Sc (MPCs)	819344208544	710	9493672628
68.	E. NAGARJUNA	18	I B.Sc (MPCs)	720433409976	710	8978820071
69.	CH. VITTAL KUMAR	18	I B.Sc (MPCs)	824805731546	710	9110724639

70.	D. PAVAN KUMAR	1 8	I B.Sc (MPCs)	946305408375	710	996351295 4
71.	K. NAGA SAI PHANINDRA	1 8	I B.Sc (MPCs)	573673130664	710	630443462 4
72.	M. KRUPA	1 8	I B.Sc (MPCs)	763281895664	710	939066658 1
73.	S. NAGASEETA	1 8	I B.Sc (MPCs)	535484233330	710	970351897 8
74.	N. LIKITHA	1 8	I B.Sc (MPCs)	512858150717	710	799780217 6
75.	M. BAGHYA LAXMI	1 8	I B.Sc (MPCs)	410143266077	710	707595977 2
76.	Y. SAI PRAVEEN	1 8	I B.Sc (MPCs)	937472275826	710	961888723 9
77.	G. LAXMI LAVANYA	1 8	I B.Sc (MPCs)	931324241806	710	868891106 5
78.	A. MANASA SIVA BHAVANI	1 8	I B.Sc (MPCs)	433947328018	710	949389740 1
79.	MD. SHAHIN	1 8	I B.Sc (MPCs)	474284350342	710	814248770 0
			(MPCs)			
80.	K. RAJASWARI	1 8	I B.Sc (MPCs)	930882341613	710	810675352 3
81.	MD. YOUNUS	1 8	I B.Sc (MCCs)	905405750150	710	818594207 6
82.	N. DHARMA TEJA	2 0	III B.Sc (MECs)	779057952365	710	851993864 2
83.	G. PEDDANNA	1 8	I B.Sc (MCCs)	796578494306	710	868803160 6
84.	A. ARUN KUMAR	1 8	I B.Sc (MCCs)	707661733963	710	970437419 8
85.	V. DURGA PRASAD	1 8	I B.S.C MPCs	813735968459	710	990825133 2
86.	D. VENKATA LAXMI	1 8	I B.Sc (MPCs)	789368342123	710	939039393 1

87.	B. RAVI KIRAN	1 8	I B.Sc (MPC)	300709238792	710	850081925 6
88.	P. SAI KRISHNA	1 9	II B.Sc (MPC)	636961573457	710	814314900 7
89.	Y. NAGA VISHNU SIDDHU	1 8	I B.Sc (MPC)	719705848258	710	868809539 1
90.	G. LALLITHA		STAFF	516511496770	710	888540770 6
91.	MD. MASTAN		STAFF	368044705587	710	738253992 8
92.	K V. NAGA LAXMI		STAFF	277736290805	710	949065810 1
93.	M. LAXMANA DAS		STAFF	744785080835	710	944156324 6
94.	G. NAGARJUNA		STAFF	636584915170	710	944044422 3
95.	BABITHA		STAFF	904512078142	710	630378545 8
96.	PAVANI		STAFF	223896172572	710	967667951 1
97.	K NARASIMHA RAO		STAFF	700561279404	710	900092021 4
98.	VENKATESH		STAFF	443874466972	710	798958363 4
99.	G.SRINIVAS (DRIVER)		DRI 1			
100.	DHARMA RAO(DRIVER)		DRI 2			



Principal
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