

### Alumni Session Report

The Mechanical and Automation Engineering Department and the Mechanical Engineering Department of Maharaja Agrasen Institute of Technology (MAIT) organized an inspiring alumni session on September 1, 2024.

The event's chief guest was Mr. Gaurav Sharma of 2006 batch, a scientist LPSC, ISRO, along with other proud alumni of the college Mr. Akshat Goel, masters student at Technical University of Berlin, Mr. Gaurav Verma, formerly a scientist at Bhabha Atomic Research Centre (BARC) and is now working on nuclear fusion technologies.

Mr. Gaurav Sharma who is now a Scientist F at the Liquid Propulsion Systems Centre (LPSC), ISRO. With 17 years of experience, Mr. Sharma has contributed to some of India's most important space missions, including Chandrayaan-3.

During his talk, Mr. Sharma shared his journey from being a student at MAIT to becoming a key part of ISRO's missions. He spoke about the different projects he has worked on and, most notably, his involvement in the fuel system design for Chandrayaan-3. This mission recently achieved a successful moon landing, and hearing from someone who played a key role in it was very exciting for the audience.

Mr. Sharma also displayed various rocket components he had helped fabricate during his time at ISRO, which were used in famous rockets like GSLV, GSLV Mk-III, and SSLV. He explained how these rockets work and how much payload they can carry to space, making the technical concepts more understandable for the students.

One of the session's highlights was when Mr. Sharma discussed the Chandrayaan-3 mission in detail. He showed videos of the Pragyan rover and Vikram lander, explaining how they functioned on the moon's surface. He also shared images of the moon's actual topography, giving students a closer look at the mission's success.

Throughout the session, Mr. Sharma encouraged students to explore careers in the space industry, explaining the vast opportunities available. His journey and

the knowledge he shared were both motivating and educational, leaving a strong impact on everyone present.

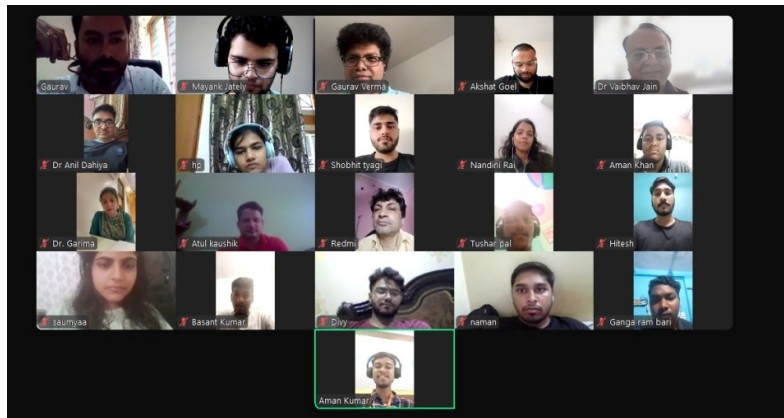
The session concluded with enthusiastic applause from the students, who were truly inspired by Mr. Sharma's accomplishments and his contributions to India's space missions. The event highlighted the success of MAIT's alumni and their role in shaping the future of space exploration in India.

**My Journey in brief...**

- 2007: Graduation from MAIT (B. Tech in MAE).
- 2007: Cleared ISRO's written & interview. Joined VSSC/ISRO.
- 2008: Completed ISRO Training & posted to LPSC/ISRO.
- 2008-2012: Worked for design & development of cryogenic Engine Components.
- 2012-2014: M.E. (Aerospace Engineering) from IISc Bangalore.
- 2014-2017: Worked for design & development of LVM-3 stage components.
- 2017: First Launch of LVM-3 (D-1).
- 2017: Received Young Scientist of the year award in 2017.
- 2017-2023: Worked for launching of LVM-3 (D-2, M-1, M-2 & M-3 missions).
- 2023 July: Launch of Chandrayaan-3.
- 2023 Aug: Soft Landing of Chandrayaan-3.
- 2024 Jan: Launch of First ever Fuel Cell of INDIA in space.
- 2024 May: Appointed as Deputy Project Director for New Generation Launch Vehicles.

**Chandrayaan – 3 | Some Historic Images**

- View of Vikram Lander captured by the Chandrayaan-2 Orbiter.
- Image of Vikram Lander captured by Pragyan rover at 11:04 IST, 30 August 2023 from 12 meters away.



**How big are they really?**

10 stories building height (approx. 33m)

Rocket	Height (m)	Weight (tonnes)	Capacity (tonnes)
ISRO-3	11	30	2
ASLV	24	30	2
PSLV	44	240	3
OSLV	34	30	2
OSLV Mk-II	52	30	2
LVM-3	170	2200	10

**A Glimpse of my contribution....**

## List of Participants

S.No.	Participant
1	thisispiyush0007
2	MAIT Delhi (Host)
3	Dr Vaibhav Jain
4	Hemank Gulati
5	Jalaj
6	Deshdeep Gambhir
7	mayank
8	Deshdeep Gambhir
9	Krishna Sharma
10	Mayank Jately
11	vasu
12	Deshdeep Gambhir
13	Nandini Rai
14	Dr. Vipin Kumar Sharma
15	Gaurav
16	mayank
17	b jayant
18	Anushka
19	akshat shanker
20	Garima™s iPhone
21	madhukar chhimwal
22	hp
23	Ashish Raj
24	Sahil yogi
25	Devansh
26	Subhash Kumar
27	Tanmay Mathur ME
28	Anubhav Tagore
29	Anmol bhagat
30	Madhukar
31	Zeeshan Ahmad
32	Divas
33	Basant Kumar
34	Ganga ram bari ( Ganga )
35	Dr Anil Dahiya
36	Hitesh 25
37	Shubham Singh Prangol Singh
38	Aman khan
39	PIYUSH (ME)
40	madhukar chhimwal
41	Pankaj kumar pandey
42	Aman khan

43	Redmi
44	surbhi Upadhyay
45	Shivam
46	naman
47	Shubham Singh Prangol Singh
48	Atul kaushik
49	Aman khan
50	Madhukar
51	Rishabh Chawla
52	Dr Vaibhav Jain
53	PIYUSH (ME)
54	Gaurav
55	realme U1
56	Raman kumar
57	Hitesh
58	Shubham Singh Prangol Singh
59	Shobhit tyagi
60	Rishabh chawla
61	Dr Vaibhav Jain
62	Ritesh Kushwaha
63	Vipin Kumar Sharma ( FS -427 Dr. Vipin Kumar Sharma )
64	Shubham Singh Prangol Singh
65	Syed Ober Ali
66	Alok Kr Sharma
67	Aman Kumar
68	Ved Nath Mathur
69	Alok Sharma
70	Mohd Aarish
71	Aman Khan
72	Dr Vaibhav Jain
73	vasu
74	Anshul Kumar
75	Shashwat Roy
76	Kuldeep
77	Aman Khan
78	Dr Anupam
79	vivo V2312
80	saumyaa
81	Naman ME
82	Tanmay Mathur ME
83	Gautam
84	Dr Vaibhav Jain
85	Vishal Verma
86	Pankaj kumar pandey
87	Lakshey

88	Samsung SM-A235F
89	Krishna Sharma
90	Aman Vats
91	Vandana Kumari
92	Md Taufique Umar
93	Dr. Garima ( Garima™s iPhone )
94	Nitish Rai
95	MD Sameer Khan
96	Vikrant Raj
97	Divyansh Bist
98	Ankitt
99	Ag
100	Veer
101	Krishna Sharma
102	Ved Nath Mathur
103	naman
104	Md Taufique Umar
105	Dr. Sachin Gupta
106	Md Taufique Umar
107	musafir
108	musafir
109	Ashish
110	Mohd Aarish
111	samrat
112	Surabhi Lata
113	Ashish Raj
114	mohit pathak
115	abhishek
116	Sanju Madaan
117	Navneet kumar sharma
118	Jatin
119	Jalaj
120	Ayush
121	Jalaj
122	Jalaj
123	Sumit Pandey
124	Divy ( DV )
125	Md Taufique Umar
126	Tushar pal
127	shubham singh ( Samsung SM-A235F )
128	Atul kaushik
129	Jalaj
130	Yuvraj
131	Vasu Kumar
132	Mohd Aarish
133	shubham singh

134	vasu
135	Krishna Sharma
136	Rakesh Saini
137	Vikrant Rai
138	Krishna Sharma
139	Akshat Goel
140	Gaurav Verma
141	Dr Vaibhav Jain
142	Rishabh chawla