

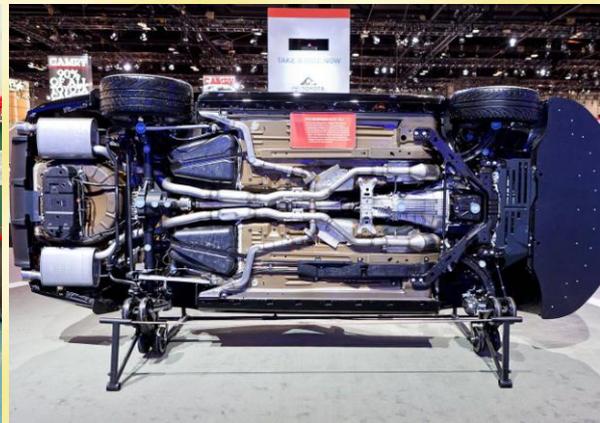
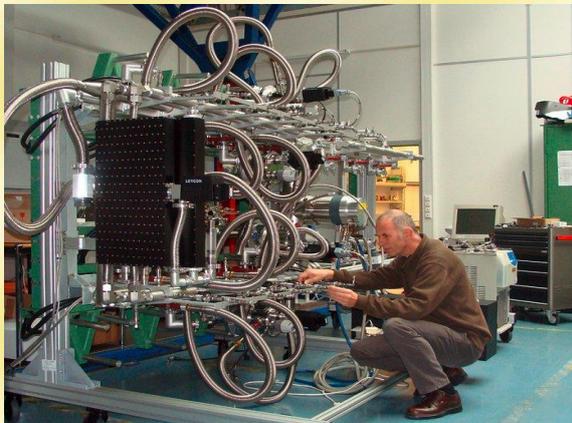
# MECHVISION



July - December 2022

Mechanical Engineering Department

L. D. College of Engineering



**Advisor:**

**Dr. V. B. Patel**

**Editor:**

**Dr. K. G. Dave**

**Committee Members:**

**Prof. G. N. Sutaria**

**Prof. A. G. Momin**

**Dr. M. D. Chaudhari**

## INDEX

1	Message from Principal	2
2	Message from Head of the Department	3
3	Vision and Mission of the Department	4
4	Mechanical Engineering Department - at a Glance	4
5	Faculty and Student Achievements	5
6	Research and Development Activities	7
7	Departmental Activities	8
8	COE Welding	14
9	Student Placement	16
10	Creative Corner	18

## 1. Message from Principal



Dear Students and Faculty Members,

With the onset of grand celebration of 75 years of its remarkable journey of excellence, LDCE has achieved a lot of new highs in the last six months. We have been able to hit all the right notes in all the important facets for development of all-round engineers. Exceptional efforts by Training & Placement Cell have resulted in students securing package upto 44.5 lacs. It is heartening to see that LDCE is being recognized by various agencies for its efforts towards bringing quality into education sector. India Today's Survey has ranked LDCE 1st in Government Colleges with Best Value for Money institute. We have also been ranked 28th (immediately after IITs and NITs) as the Best Engineering College (Government) of India. LDCE witnessed the beginning of revitalized industry-academia collaboration in the form of SAHYOG. SAHYOG, an Industry - Academia meet, was organized on 17th September in all the departments during which 250 senior personnel and business owners from many industries participated and interacted with our faculty members and students.

LDCE has continuously maintained high standards through the changing times. The biggest testimony for quality comes from National Board of Accreditation (NBA) which has re-accredited three of our departments, Mechanical, Civil and Electrical for a period of 3 years. Mechanical department has been at the front seat for driving the change and taking ownership for all-inclusive growth through students and faculty members. Simultaneously our students and faculties have been engaged very well in social, cultural and sports domains too. Induction program for first year students has been done commendably by all departments and we hope it has made our new aspirants comfortable on campus. With the beginning of the new semester, I would like to encourage all students and faculty members to be focused and determined to set goals so that we all can grow together as a person and institute.

Wish you all a very happy new year.

Dr. R. K. Gajjar

31<sup>st</sup> December 2022

## 2. Message from Head of the Department



Dear Friends, Colleagues, Students and Alumni,

It is a matter of great pleasure to present before you yet another issue of Newsletter of Mechanical Engineering Department “MECHVISION”. Department is indebted to our respected Principal, who gave this opportunity to summarize the achievements of our students, faculty members and staff members.

The foundation day celebration that kick-started the yearlong celebration of the legacy of LDCE resulted in a lot of exciting developments and achievements. I truly believe that the word innovation runs in the veins of all the young students and every faculty member of Mechanical Engineering Department. The proof of the pudding was through the enormous participation of departmental students at various Hackathons to solve various problems faced by industry and Government. One of the teams went to the final round held at Chennai and has filed a patent based on their innovation. I am proud to say that the knowledge up-gradation through participation in FDPs, Seminars and Expert Lectures has become a second nature to most of the faculty.

The highlight of the last six months journey has to be the industry – academia meet that was organized in the form of SAHYOG. As the name suggests, it has resulted in true collaborative efforts between academia and various industries. The problems faced by industry in the form of depleting “employable” human resource and the longevity of the time spent by young students at one company was discussed deeply with all stakeholders putting forward their views. It was truly an aha moment to look at the teaching-learning process through an alternate dimension.

Through this newsletter, we intend to showcase information about various events and activities that happened during last semester. The newsletter would not have been possible without supports of all teaching and support staff members of the department and I am thankful to them.

With Regards,

Dr. V. B. Patel  
Professor and Head,  
Mechanical Engineering Department.  
31<sup>st</sup> December 2022

### 3. Vision and Mission of the Department

#### Vision

To prepare self-driven, environmentally-friendly, self-esteemed, inventive and oriented Mechanical Engineers with virtuous knowledge, proper analytical perceptive and good communication skills.

#### Mission

To develop industry oriented Mechanical Engineering graduates to accept the challenges of society by,

- (1) Teaching Mechanical Engineering knowledge through highly qualified and trained faculty in encouraging environment.
- (2) Creating awareness about the needs of industries and society through alumni and Industry-Institute interactions.
- (3) Encouraging them to think inventively and introduce them to various research activities through advanced project works related to Mechanical Engineering.
- (4) Supporting them to prepare in all aspects like communication, entrepreneurship and interpersonal skills.

### 4. Mechanical Engineering Department - at a Glance

Name of Course	Type	Period (Years)	Intake	Year of Starting
Mechanical Engineering	UG	4	120	1948
Computer Aided Design & Manufacturing	PG	2	18	1996
Cryogenic Engineering	PG	2	15	1990
Internal Combustion Engines & Automobile	PG	2	18	2003
Mechanical Engineering	PDDC	4	120	1968

## Faculty members of Mechanical Engineering Department

<i>Professor</i>	
Dr. V. B. Patel	Dr. R. G. Kapadia
Dr. K. G. Dave	
<i>Associate Professor</i>	
Dr. N V Bora	Dr. P. R. Rathod
Prof. M. A. Lohia	Prof. M. M. Makwana
Dr. R. J. Jani	Prof. R. O. Paliwal
Dr. S. S. Pathan	Prof. M Y Patil
Prof. S. A. Saraswat	Dr. A. V. Patel
<i>Assistant Professor</i>	
Prof. H. P. Patel	Prof. P. C. Sheth
Dr. S. R. Pandya	Dr. B. K. Patel
Prof. M. K. Vyas	Prof. P. V. Jotaniya
Prof. H. M. Ravat	Dr. V. D. Sonara
Prof. S. P. Shah	Dr. U. A. Patel
Prof. D. U. Panchal	Prof. S. B. Bhatt
Dr. D. R. Shah	Prof. N. K. Patel
Prof. K.K.Pansal	Prof. G. N. Sutaria
Prof. A. G. Momin	Prof. D. K. Patel
Prof. S. J. Patel	Prof. D. M. Chandra
Prof. A. C. Pambhar	Dr. H. M. Gajera
Prof. H. R. Patel	Prof. K. P. Hirpara
Dr. N. H. Pancholi	Prof. M. D. Patel
Prof. N. K. Pranami	Prof. J. P. Dataniya
Prof. M. M. Makwana	Dr. M. D. Chaudhari
Prof. K. A. Patel (Adhoc)	Prof. S. B. Shah (Contractual)

### 5. Faculty and Student Achievements

- A workshop titled “Girl’s safety and Cyber Security Awareness” has been jointly organized by ICC and WDC Team LDCE and SHE Team of Gujarat University Police Station, Ahmedabad on 15/10/2022 at Vishwakarma Hall, LDCE during 11.00am to 1.00pm. Session was chaired by eminent speakers Dr. Lavina Sinha - DCP Gujarat Police and Ms. Mini Joseph-ACP Gujarat Police. Dr. Komal Dave and Rupande Desai medam has coordinated the event with the help of Prof Z B Parekh (Electrical Dept.) Prof D R Gohel (Science and humanity Dept.), Prof S J Patel (Mechanical Dept.), Prof Anal Bhatt (Rubber Dept).



- Mr. Maulik B Patel, Research scholar at GTU has completed Ph.D. under supervision of Dr. Komal G Dave, Professor, Mechanical Engineering on title “An experimental investigation of friction stir welding on AA7108 using counter rotating twin tool” in month of September 2022.
- Dr Nisha Bora was appointed as External Examiner for final PhD defence and public viva voce examination for the PhD thesis “Investigation and Performance analysis of solar still with hybrid nano particles” on 03/12/2022.
- Prof. P. C. Sheth, Prof. A. G. Momin and Prof. K. P. Hirpara has successfully attended a STTP on "Industrial NDT for welding and casting" from 1st- 5th August, 2022 at GEC Gandhinagar.
- Prof. G N Sutaria and Dr. M. D. Chaudhari represented Mechanical Engineering Department, L. D. College of Engineering at honourable CM function of 36th National Games awareness held at GTU campus, Chandkheda on 15th Sept, 2022.
- Prof. G N Sutaria worked as liason officer for “Student start up, Research and Innovation Festival” in honourable CM function held at Shakti convention centre, Vaishnodevi circle, Ahmedabad on 17th September, 2022.
- Dr. M. D. Chaudhari delivered an expert talk at Centre of Excellence - Welding, L. D. College of Engineering on 26th August, 2022 on the topic of “Welding Metallurgy” as a part of 10 days program “Fundamentals of Welding” organized for students.

- Dr. M. D. Chaudhari represented Mechanical Engineering Department, L. D. College of Engineering at 36th National Games held at Narendra Modi Stadium, Motera, Ahmedabad from 29th -30th September, 2022.
- Dr. M. D. Chaudhari attended an STTP on "Train the Trainer Program on Welding Technology" from 10/10/2022 to 14/10/2022 at iACE, Gandhinagar.
- Team Solar Mukhi comprising of Mr. Tirth Brahmakshatriya, Mr. Kalpit Jani, Mr. Jaydeep Jadav, Mr. Adarsh Jose, Mr. Yash Mishra, Ms. Khushi Sarvaiya, Ms. Harshita Singh and Ms. Nidhi Gamit under the mentorship of Dr. Mrunalkumar Chaudhari participated in "Smart India Hackathon 2022" and got selected for grand finale held at Chennai from 25th to 29th August, 2022.
- Mr. Yagnik Sorathiya (3rd Sem - Auto), Mr. Jay Suthar (5th Sem - Mech) and Mr. Dhyan Patel (5th Sem - Mech) represented Mechanical Engineering Department, L. D. College of Engineering at "TiECON 2022 ENTRE'THON" held at Shree Shakti Convention Centre, Ahmedabad from 23rd - 24th September, 2022.
- Mr. Sumit Chudasama, Mr. Harsh Katariya and Mr. Rohitkumar Mevada, student members of Ishrae chapter of LDCE, of semester -7 Mechanical Engineering department Volunteered their services and became part of 5th edition of Refcold India 2022, at Mahatma Mandir, Gandhinagar during 8th to 10th December 2022. They got to know many new technologies in the field by attending this exhibition and networking with industry leaders. They received a letter of appreciation and a gift from Refcold. Refcold India is Ishrae initiative and South Asia's largest Exhibition and International conference on Cold chain and Refrigeration Industry solution.
- Prof. A G Momin has attended a seminar on “public forum on Respect Food” at Tagore Hall, Paldi, Ahmedabad which was organised by Climate Change department of Gujarat and GEDA on 7<sup>th</sup> October, 2022

## 6. Research and Development Activities

- L. D. College of Engineering, Mishra Yash Rajneeshbhai, Tirth Samirkumar Brahmakshatriya, Adarsh V. Jose, Jani Kalpit, Gamit Nidhi Divanjobhai, Singh Harshita Manojkumar, Jadav Jaydeep Yashvantbhai, Sarvaiya Khushi Dharmendrabhai, Mrunalkumar D. Chaudhari filed a provisional patent titled "Hydro Optic Mechanical Solar Tracking Device" under patent application number 202221048296 on 24/08/2022.
- Dr Nisha Bora co-authored a research paper titled “Waste fly ash–ZnO as a novel sunlight- responsive photocatalyst for dye discoloration” published in the Journal, Water Science and Engineering, Elsevier. Nov 2022.
- Prof. A G Momin and Dr. M.D.Chaudhari have published Paper on " Parameters for cladding using plasma transfer arc welding –A critical " in scopus indexed Elsevier Journal - Materials Today: Proceedings- November,2022

- Prof. A G Momin and Dr. M.D.Chaudhari have published Paper on " Examination of Weld Cladding methods for C.S. and S.S. and their Impacts - Review " in UGC-Care list journal- A Journal of Physical Sciences, Engineering and Technology- SAMRIDDHI Volume 14, Issue 3, 2022, ISSN(P): 2229-7111, ISSN(O): 2454-5767

## 7. Departmental Activities

- LDCE IIC cell and Mechanical engineering department organized an expert talk on "Lean startup and minimum viable product/business" on 25<sup>th</sup> August, 2022. Mr. Jigar Patel, founder of Vianci Enterprise, Engineering Solutions, Ahmedabad has delivered a session. The session focused on lean startup methods and its principles. More than 50 student and 08 faculties have taken advantage of the event. The event was coordinated by Prof. G N Sutaria.



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of IISD Initiative)



**LD COLLEGE OF ENGINEERING**  
AMHEDABAD



**SSIP**



**LDCE**

**Expert talk on**  
**"Lean Startup and minimum viable product/business"**



**Mr. Jigar Patel**  
Vianci Enterprise,  
Engineering Solutions, Ahmedabad

**DATE & TIME**  
**25.08.2022, 02:00 PM**

**Room no. 603**  
**Mechanical Department**

**Link for Registration:**  
<https://forms.gle/o2EGkXNIMm5tjKEENG>



**Patron:**  
**Dr. Rajul Gajjar**  
Principal & IIC President,  
L. D. College of Engineering



**YEARS OF LDCE**

**Vice President:**  
Dr C H Vithiani, Head EC Engg. Dept.

**Convener:**  
Dr. Manish Thakkar, Head I. C. Engg. Dept.  
Dr. V B Patel, Head Mech. Engg. Dept.



**75**  
Azadi Ka  
Amrit Mahotsav



- The ISHRAE student chapter installation of L D College of Engineering for year 2022-23 was successfully done on 3rd september 2022 at AMA Ahmedabad with Prof. R G Kapadia and Prof. S A Saraswat as faculty coordinator and Installation officer from ISHRAE Mr. Gaurang Patel.



- **Mechanical Orientation**

Orientation program for newly admitted Mechanical Engineering students was organized at Mechanical Engineering Department, LDCE Ahmedabad on September 9, 2022. The Program was initiated with the lighting of lamp by Head of Department Dr V B Patel accompanied by other faculty members. Principal of LD College of Engineering, Dr R K Gajjar, welcomed the new students and congratulated them on getting admission into LDCE Mechanical Engineering Department. She enlightened the students regarding the magnificent 75 years journey of L D College of Engineering and put forward the centenary vision of LDCE. Senior faculty members of the Department Prof K G Dave, Prof P R Rathod and Prof S S Pathan shared their experiences with the students. Dr. M. D. Chaudhari sensitized the students about student startup and innovation policy (SSIP) and centre of excellence, welding (KEEPSAKE).



- **Robotics and Automation Orientation**

Orientation program for first batch of newly admitted students in Robotics and Automation Engineering was organized at Mechanical Engineering Department, LDCE, Ahmedabad on September 9, 2022. Dr V B Patel, HOD, Mechanical Engineering Department congratulated the students and spoke about the importance and future of Robotics and Automation Engineering department. He reminded the students that they were at a critical phase of life where they could really make a difference to the society. Senior faculty members of the Department Prof K G Dave, Prof P R Rathod, Prof S S Pathan and Prof A V Patel shared their experiences with the students and nudged the students to work towards excelling themselves with positive attitude. Prof D K Patel informed the students about centre of excellence, welding (KEEPSAKE) and student startup and innovation policy (SSIP). Prof B K Patel Highlighted the infrastructure available at Centre of Excellence – Siemens and its activities.



- PG orientation program 2022 for all PG courses of Institute is organized on 13.09.2022 Tuesday at 11:30 am at Venue: Vishwakarma Hall, WRM Civil. Prof P R Rathod, Prof R O paliwal and Prof R J Jani PG course incharge of branch CAD/CAM, Cryo and IC AUTO respectively have attended the same with their students. Dr. K G Dave Professor mechanical, Incharge AICTE PG scholarship

LDCE and Dr. P R Rathod, Rector of all hostel LDCE have share fundamental information with students and resolve their query.

- **SAHYOG-2022** An Industry-Academia Meet on Engineer's Day Celebration under LD@75.

As part of the Engineer's Day Celebration under LD@75, L D College of Engineering, Ahmedabad has organized "Sahyog 2022"- an Industry-Academia Meet on September 17<sup>th</sup>, 2022 (3 to 5 pm). In this event persons from industry and well-known organizations were invited to have an open discussion for strengthening the ties between academia and industry. Total 25 persons from 23 different industry/institutes have been arrived at mechanical department. A very good discussion between all faculty members of Mechanical Engineering and Automobile Engineering department and invites have been accomplished on benefit of students, Education system and Industry requirement.



- A Funshop on Project Management was organized at L D College of Engineering, Ahmedabad by Project Management Institute: Gujarat Chapter, on September 16, 2022. The event was open to students of all Engineering branches and was coordinated by Dr V B Patel, Head of Department, Mechanical Engineering.

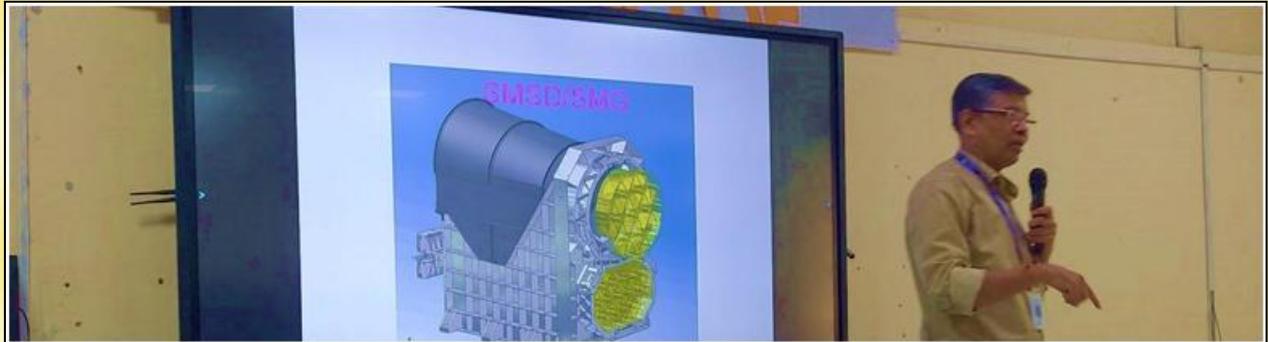


- A number of Group activities, Quizzes and fun activities were also included in the event to ensure the engagement of participants and improve their understanding of Project Management. The winners of these activities were distributed prizes at the end of the event.



- An expert lecture on “Role of Mechanical Engineering in Space Application SAC-ISRO Ahemdabad” has been successfully organized at Mechanical Engineering Department, LDCE on 28th September, 2022. Shri Jayminbhai T Deesai, Group Director SAC ISRO, Ahemdabad has given a wonderful expert talk on all technical aspects regarding mechanical engineering at SAC-ISRO Ahemdabad. Department feel proud that Shri Desai is LDCE Alumni of Mechanical Engineering of batch 1985. He has worked in about more than 15 projects of National / International reputations/Interests which includes Chandrayaan-1, Mars Orbiter Missions apart from High Resolution Space based Cartography Cameras / Telescopes e.g. IRS-P5, IRS-1 series, Cartosat2, Cartosat-3. At present he is in charge of Satellite

Payloads/Instruments Environment Tests (Thermal Vacuum, Temperature Excursions, Shock/Vibrationsimulations) facility Group Director & Scientist/Engineer-'Gn. More than 120 students and faculty members have actively participated in the event and resolve their inquiry with expert. Dr. Komal G Dave, Professor, Mechanical Engineering has coordinated whole event with high end support from Head of Department Dr. V B Patel and faculty members Dr. S S Pathan, Prof G N Sutaria and Prof H P Patel.



- An event was organized under Climate change youth outreach fortnight programme in L D College of Engineering. Essay writing and poster presentation was organized in Mechanical Engineering department with title “Combating desertification and desert economy/desert” under leadership of Head of Department Dr V B Patel on 28th September 2022. Total 36 students from Mechanical and Robotics & Automation department have participated in event. The event was successfully coordinated by Prof. S J Patel and Prof. M D Patel.



- An expert talk on “Together Towards Tomorrow” organized in Collaboration with AARAMBH Cell – Student Startup and Innovation Cell and Mechanical department on 21/11/2022 at V J Jani Hall, Workshop building during 11.00am to 12.45pm. Speaker, Mr. Shubhneet Tyagi, CEO of The Australian Institute of Engineering, took the attendees through topic like Industry 4.0 and technologies, Advanced manufacturing in metal industry, Career opportunities or Skill shortages in Australia, Introduction of Australian Institute of Engineering etc. in detail. More than 100 students have participated in the event which was very well coordinated by Dr. Mrunalkumar Chaudhari.



- Dr Nisha Bora conducted a mentoring session for final year students regarding Industry Internship – A step towards preparing oneself to transition from Campus to Corporate. 94 students attended the session which was coordinated by Prof. Niketa Patel.

## 8. COE Welding Activities

- Between June 1 and December 31, 2022, the Keepsake Welding Research and Skill Development Center conducted eight training sessions for students enrolled in various Engineering Colleges as well as ITI branches likes (ITI Sola, ITI Chandkheda, and

ITI Dholka, ITI kubernagar, ITI Maninagar) . A total of 146 students participated in the training sessions. In addition to instructing students in the fundamentals of welding, KWRSD provides a good platform for them to learn about social awareness as well as actual hands-on experience of the theory class through job manufacturing, ranging from drawing to model fabrication. Also centre provides a technical support for the various PhD scholars and Graduates and Post graduates students for their Project related works.



## 9. Student Placement

- Following students of BE and ME Mechanical were got placement during July to December 2022.

Sr. No.	Enrollment No	Student Name	Company Name	Annual Package (Rs. Lakh)
1	190283119012	Monpara Jaydeep Damjibhai	TCL	5
2	190283119004	Chotaliya Vaibhav	TCL	5
3	180280119026	Joshi Sahil Yashwant	GNFC	13
4	180280119068	Patel Kunj Girishbhai	GNFC	13
5	180280119122	Wadhvani Siddharth Kailash	GNFC	13
6	190280119111	Rabari Kuldeep Rajubhai	DCM Shriram	8
7	200280119507	Kanzariya Pranav	DCM Shriram	8
8	200280119513	Rami Sohamkumar	DCM Shriram	8
9	190280119105	Porwal Vaibhav Shailesh	UPL Limited	5.25
10	190280119011	Chaudhari Hareshbhai	UPL Limited	5.25
11	190280119023	Urmi Mansukh Dhami	Analog Devices	8
12	190280119097	Patel Vishalkumar	Torrent Power	4.25
13	190280119101	Pathar Parthkumar	Worley	4.2
14	190280119129	Shah Vraj Samir	Worley	4.2
15	190280119116	Rathod Nidhi Kishorkumar	Worley	4.2
16	190280119135	Suthar Meetkumar	Torrent Power	4.25
17	190280119143	Thakur Virat Subodh	MG Motor	7
18	190280119146	V Adarsh Jose	MG Motor	7
19	190280119116	Rathod Nidhi Kishorkumar	MG Motor	7
20	190280119042	Katariya Harsh Himmatlal	TCS NINJA	3.67
21	190280119084	Patel Het Vikrambhai	TCS NINJA	3.67
22	190280119092	Patel Naman Alkeshkumar	TCS NINJA	3.67
23	190280119116	Rathod Nidhi Kishorkumar	TCS NINJA	3.67
24	190280119127	Shah Kewal Ketan	TCS NINJA	3.67
25	190280119130	Sheth Rohan Nageshbhai	TCS NINJA	3.67
26	200280119508	Shaikh Zaheen Mohammad	TCS NINJA	3.67
27	190280119008	Bhatt Zeel Prakashbhai	L&T	6
28	190280119059	Nakum Divyaraj Jayendra	L&T	6
29	190280119092	Patel Naman Alkeshkumar	L&T	6
30	190280119124	Shah Deep Snehal Kumar	L&T	6
31	190280119130	Sheth Rohan Nageshbhai	L&T	6
32	190280119034	Jadav Jaydeep Yashwantbhai	Atul Ltd.	4.84
33	190280119055	Makadiya Darsh Nileshbhai	Atul Ltd.	4.84
34	190280119075	Parmar Manthan Hareshbhai	Atul Ltd.	4.84
35	200280119511	Mevada Rohitkumar	Atul Ltd.	4.84
36	190280119024	Dhruve Jeet Manoj	CEAT	6.6
37	190280119015	Chauhan Surajkumar	CEAT	6.6
38	190280119140	Thakar Hetvi Anilkumar	CEAT	6.6
39	190280119075	Parmar Manthan Hareshbhai	L&T	6
40	190280119024	Dhruve Jeet Manoj	L&T	6

41	190280119140	Thakar Hetvi Anilkumar	L&T	6
42	190280119027	Gamit Dhruvilkumar	L&T	6
43	190280119006	Bhatt Tushar Gangarambhai	L&T	6
44	190280119115	Rathod Jaykumar	L&T	6
45	190280119070	Kartikkumar Panchasara	L&T	6
46	190280119104	Popat Darshil Vijay	L&T	6
47	190280119057	Maru Jigar Rajeshbhai	L&T	6
48	190280119082	Patel Harsh Dilipbhai	L&T	6
49	190280119086	Patel Joyalkumar	L&T	6
50	190280119010	Chaitya Nirav Gosalia	JOHNSON CONTROL	6.85
51	190280119020	Dahodwala Kausharali	JOHNSON CONTROL	6.85
52	190280119038	Kansara Pranay Ketanbhai	JOHNSON CONTROL	6.85
53	190280119078	Patel Bijen Dhirubhai	JOHNSON CONTROL	6.85
54	190280119107	Prajapati Divyeshkumar	JOHNSON CONTROL	6.85
55	190280119148	Vaishnav Manthan	JOHNSON CONTROL	6.85
56	190280119062	Notariya Sagar Manojkumar	L&T	6
57	190280119072	Parmar Ajay Shaileshbhai	L&T	6
58	190280119054	Maheshvari Ansh	L&T	6
59	190280119138	Tanna Harsh Mukeshbhai	RELIANCE	7.5
60	200280119514	Bochiya Mehul Hamirbhai	RELIANCE	7.5
61	200280119501	Prajapati Deep Mohanbhai	RELIANCE	7.5
62	190280119152	Vidhani Sachin Dilipkumar	RELIANCE	7.5
63	200280119508	Shaikh Zaheen Mohammad	RELIANCE	7.5
64	190280119041	Karmur Abhay Ranabhai	RELIANCE	7.5
65	190280119119	Sachaniya Digneshbhai	RELIANCE	7.5
66	190280119044	Kathiriya Chandresh	RELIANCE	7.5
67	190280119127	Shah Kewal Ketan	RELIANCE	7.5
68	200280119525	Bhanushali Ajay Mamubhai	RELIANCE	7.5
69	190280119012	Chaudhari Markkumar	ADANI	6.5
70	190280119016	Chhatrala Keyur Dineshbhai	ADANI	6.5
71	190280119019	Chudasama Sumit Dhirajlal	ADANI	6.5
72	190280119053	Lotwala Om Manishkumar	ADANI	6.5
73	190280119066	Panchal Harsh Dineshbhai	ADANI	6.5
74	190280119094	Patel Parthkumar	ADANI	6.5
75	190280119106	Prajapati Dhruhilkumar	ADANI	6.5
76	190280119160	Talekar Ujwal Prabhakar	ADANI	6.5
77	190280119145	Unjiya Hiren Jaysukhbhai	ADANI	6.5
78	200280119515	Brahmbhatt Yash	COROMANDEL	4
79	190280119036	Jethva Ankit Maheshbhai	AARTI INDUSTRIES	5.5
80	190280119042	Katariya Harsh Himmatlal	AARTI INDUSTRIES	5.5
81	190280119068	Panchal Jinay Jagdishkumar	AARTI INDUSTRIES	5.5
82	190280119073	Parmar Divyesh	AARTI INDUSTRIES	5.5
83	190280119084	Patel Het Vikrambhai	AARTI INDUSTRIES	5.5
84	190280119087	Patel Karan Ketanbhai	AARTI INDUSTRIES	5.5
85	190280119100	Pateliya Chiragkumar	AARTI INDUSTRIES	5.5
86	190280119108	Prajapati Jagdish Pratapbhai	AARTI INDUSTRIES	5.5
87	190280119123	Senta Hardik Harjibhai	AARTI INDUSTRIES	5.5

88	190280119125	Shah Harsh Kamleshbhai	AARTI INDUSTRIES	5.5
89	190280119149	Vala Vishv Vinodray	AARTI INDUSTRIES	5.5

## 10. Creative Corner

ડો. વિક્રમ સારાભાઈને સ્મરણાંજલી



તા: ૧૨ ઓગસ્ટના રોજ આદરણિય ડો. વિક્રમ સારાભાઈની જન્મ જયંતિ ઉજવવામાં આવે છે. તેમને ભારતીય 'અવકાશ-વિજ્ઞાનના પિતા' તરીકે ઓળખવામાં આવે છે.

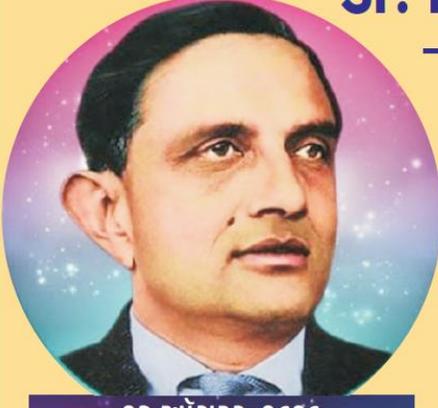
ભારતે અવકાશ વિજ્ઞાન અને સંશોધનમાં આજે જે ગજું કાઢ્યું છે, એનો સૌથી વધુ શ્રેય આઝાદીની લડત સાથે જોડાયેલા પરિવારના ફરજંદ વિક્રમભાઈને જાય છે. વિક્રમ સારાભાઈને નાનપણથી જ યંત્રોમાં રસ હતો. એમના માટે બંગલામાં જ ભૌતિકશાસ્ત્ર અને રસાયણશાસ્ત્રની પ્રયોગશાળા ઊભી કરવામાં આવી. તેઓએ બાળપણ માં બનાવેલી આગગાડી આજે પણ વિક્રમ સારાભાઈ કોમ્પ્યુનિટી સેન્ટર, અમદાવાદમાં છે. તેઓ કેમ્બ્રિજ યુનિવર્સિટીના વિદ્યાર્થી હતા તથા બેંગ્લોર ખાતે નોબેલ પારિતોષિક વિજેતા ડો. સી.વી. રામનના પણ શિષ્ય હતા.

૧૯૫૦ના દશક માં અમદાવાદ ભારતનું માન્યેસ્ટર ગણાતું. અમદાવાદ એ મિલોથી ધમધમતું શહેર હતું. વિક્રમભાઈએ કાપડ ઉદ્યોગમાં ઉત્તમતા લક્ષી સંશોધન માટે કસ્તૂરભાઈ લાલભાઈના સાથ સહકારથી 'અટીરા'ની સ્થાપના કરી. ડો. વિક્રમ સારાભાઈ પોતે જ 'અટીરા' ના પહેલા માનદ નિયામક પણ બન્યા. આજે નેશનલ ઇન્સ્ટિટ્યૂટ ઓફ ડિઝાઇન (NID), ઇન્ડિયન ઇન્સ્ટિટ્યૂટ ઓફ મેનેજમેન્ટ (IIM-A), ઇન્ડિયન સ્પેસ રિસર્ચ ઓર્ગનાઇઝેશન (ISRO), ફિઝિકલ રિસર્ચ લેબોરેટરી (PRL) અને અમદાવાદ ટેક્સટાઇલ ઇન્સ્ટ્રીઝ રિસર્ચ એસોસિયેશન (ATIRA), કોમ્પ્યુનિટી સાયન્સ સેન્ટર તથા સારાભાઈ કેમિકલ્સ જેવી સંસ્થાઓ જે અમદાવાદ અને ભારતનું નામ દુનિયામાં રોશન કરે છે તે વિક્રમ સારાભાઈની દેણ છે.

ડો. સારાભાઈના પ્રયત્નોથી ૧૯૭૫માં ભારતીય ઉપગ્રહ આર્યભટ્ટને રશિયાના કોસ્મોડ્રોમથી પૃથ્વીની બહારની કક્ષામાં મુકવામાં આવ્યો. ઇસરોના વિવિધ સેટેલાઇટ કોમ્પ્યુનિકેશન દ્વારા તેમણે ભારતને અવકાશ યુગમાં ઉચ્ચ સ્થાને પહોંચાડ્યું. આથી તેઓને અવકાશ યુગના પિતા તરીકે પણ ઓળખવામાં આવે છે. ૫૨ વર્ષની ઉંમરે તિરુવનંતપુરમ્ ખાતે તા: ૩૦ ડિસેમ્બર ૧૯૭૧ના રોજ તેમનું નિદ્રામાં નિધન થયું હતું.

ડો. વિક્રમ સારાભાઈએ પોતાનું સમસ્ત જીવન દેશ માટે, વિજ્ઞાનની પ્રગતિ માટે અને સંશોધનો કરવા માટે આપી દીધું. પરમાણુ ઊર્જા ક્ષેત્રે, વિજ્ઞાન ક્ષેત્રે, અંતરિક્ષ ક્ષેત્રે, ટેક્સટાઇલ ક્ષેત્રે ભારતની પ્રગતિમાં તેમનો સિંદ્ધાળો છે.

## ડૉ. વિક્રમ સારાભાઈની જન્મજયંતિએ સ્મરણાંજલિ



૧૨ ઓગસ્ટ, ૧૯૧૯  
૩૦ ડિસેમ્બર, ૧૯૭૧

“ જ્યારે શિક્ષકો, વિદ્યાર્થીઓ, વાલીઓ અને આસપાસનું વાતાવરણ એકબીજા સાથે સંવાદ કરી શકે, પ્રતિભાવ આપી શકે અને ઉપરથી થોપવામાં આવતા અપ્રસ્તુત ઉપદેશો-સિદ્ધાંતો તેમજ નિયંત્રણોથી મુક્ત થઈ શકે ત્યારે જ શિક્ષણનો સૌથી અસરકારક વિકાસ શક્ય છે. ”

- ડૉ. વિક્રમ સારાભાઈ

તેમની જન્મતિથિએ હું જ્યારે ઉસ્માનપુરા રિવરફ્રન્ટ ખાતે આવેલી તેમની પ્રતિમા પાસે પહોંચ્યો ત્યારે તેમના પૌત્ર મોહલ ભાઈ (કાર્તિકેય સારાભાઈ ના પુત્ર)ને મળવાનું થયું. તેમની સરળતા તથા સઃહૃદયતા જોઈ ને ખુબ પ્રેરણા મળી. અસિમ સરસ્વતીકૃપા પામેલ પરિવાર ને જ્યારે ની અસિમ લક્ષ્મીકૃપા પણ પ્રાપ્ત થાય છે ત્યારે પરિવારનું તો ઠીક પણ સમગ્ર દેશનું ભાવિ બદલાઈ જાય છે.

-પ્રા. મિતુલ મક્વાણા