

Zee Learn conducts Principal Leadership Conclave 1.0 - West India

In order to hone leadership skills of Principals in MLZS, West India, ZLL had organised the first ever 2 days Principal Leadership Conclave 1.0 at MLZS, Wakad.

The 2 day workshop had eminent speakers Dr. Sheela Ragavan and Dr Prabhat Kaushik who enlightened the school leaders on how to set smooth processes at school to get a system oriented school.

They enlightened the school leaders on CBSE Bye laws, developing a positive mindset among the staff and nurture a strong ecosystem which could create a differentiating factor among our school leaders.

Investment of these two days proved to be fruitful for the school leaders and they suggested to continue such workshops year on year to keep them abreast with the latest advancements in the school leadership.



Zee Learn conducts Principal Leadership Conclave 1.0 - South India

Principals' Conclave 1.0 , P-4 was conducted and organized by Zee Learn Ltd. on 22nd October'19 at Mount Litera Zee School, HSR, Bangalore, where Principals of Mount Litera Zee School, South India, participated.

**THE THEME WAS "P4 - PEOPLE-
PERFORMANCE- PASSION-
PERCEPTIVE"**

Main Objective of the Conclave was to provide inputs to School Leadership ; Academic execution

FOCUS AREAS

- People: Students- Teachers- Parents-Support Staff
- PERFORMANCE: emphasis to strengthen core leadership to deliver results
- Passion: to forge our schools ahead
- Perspective: CHANGE WITH CHANGING TIMES

The keynote speaker was Dr. Prabhat Kaushik. The objective was to seek guidance on Leadership Development. Dr. Kaushik elucidated the leaders on staff management and systems to be developed at school.



INNOVATIONS IN TEACHING LEARNING PROCESS

As teachers its essential to keep students engaged in qualitative learning for which the teaching fraternity shoulders a great responsibility to make the teaching learning process innovative and creative,the traditional “ chalk and talk” method that is persistent since many years is acquiring inferior results as compared to modern teaching learning process, today schools encourage greater student teacher interaction so that boundaries of authority is broken and the teacher could focus on enjoyment in learning over grades .

Following are three main innovations a teacher can implement in her/his classroom to make teaching learning process effective and joyous.

1. Visualisation Techniques:

Visualization is an especially good teaching strategy for reading and literacy for students for all subjects . A lot of disconnected facts are clear while the visualization tool is used by the teacher as it results in integration of knowledge from one situation to another.

Visualization can be done in the form of role plays, debate, practicals, group discussions, mock sessions .all these tools would help the students understand,recall and think critically about the subject they are studying. Moreover this would help the teachers to develop the principle of constructivism in the students.

2. Wisely Managed Classroom technology

Computers, tablets, digital cameras, videoconferencing technology and Interactive devices can enhance a student's learning experience. Possible uses of classroom technology include using videos, simulations , sway, PPTs to teach Math , English,Hindi ,Sciences ,SST and foreign languages, leveraging Skype to communicate with classrooms or guest speakers from around the world, or multimedia projects that allow students to explore subject matter using film, audio and even software they create.

However, tech devices in the high school classroom require teachers to add a component to their classroom management. Following advice can be utilized on using classroom technology:

- Explain that the use of tech tools in class is a privilege not everyone has - and if misused, it can be discontinued.
- During class, teachers should move around the classroom or use monitoring software to ensure students are engaged in the collaboration . When they understand that their teacher will intervene if they go off-task, students know they must focus on their assignment.
- Students can learn tech terms, basic maintenance tasks, and appoint a few students to serve as tech monitors responsible for distributing and storing equipment. Doing this creates a sense of value and ownership for the welfare of classroom technology

3. Engagement/ Critical and Analytical Thinking

Under a new teaching method called “engagement” students are urged to engage with the real world, analyse and think critically everything that happens in different life spheres In many of the schools to teach economics instead of conventional teaching methods, students were taken to visit local businesses where they were able to witness how the knowledge that they were learning applied to the real world. The idea is to get students engaged and to connect their learning to the real world. If teachers can show them how their teaching connects to the real world then their own brain cells are going to connect them and associate them

New methods of teaching have the purpose to improve the quality of education and involve students in educational process. Innovations mean a progress and development.

Congratulations to our Budding Shakespeares in Making

To commemorate 150 years of Gandhi Jayanti, ZLL had organised a National Level essay writing competition "Write To Freedom", the contest which began on 15th August 2019 received a gargantuan response from more than 5000 students from 75 plus Mount Litera Zee Schools. Competing through three levels - school, cluster, and national finals, six students made it to the top. The winners of the competition were declared on 2nd October 2019 on MLZS official Facebook page.

Category I (Class V to VIII)



Prarthana Sharma
Class: VIII - MLZS Goa



Saumya Gupta
Class: VIII - MLZS Motihari



Shanvi Raaj
Class: VII - MLZS Sainikpuri

Category II (Class IX – X)



Ankana Das
Class: X - MLZS Mahestala



Kaushani Chatterjee
Class: IX - MLZS Sainikpuri



Vanshika Rana
Class: IX - MLZS Muzaffarnagar

Art Corner



Simon Saijeet
Class II - MLZS Tangi



Sandeep Ray Yadav
Class III, MLZS Tangi I



Aarushi
Class VI - MLZS Kathua

Our proud Mount Literan - Sanjana Patra



Our Litera pride Sanjana Patra (Gr-VII) has not left any stone unturned to clinch the 1st prize in debate competition. She had presented a vibrant debate presentation on the topic “ESSENTIALLY, A GOOD DEMOCRACY “on the eve of 73rd Independence Day at Berhampur in the Ganjam district level competition. Our another talented champ P. Neha Reddy (Gr-IV) also paved her path to glory with her eyes watering patriotic song on the same occasion.

Congratulating the children and the Team MLZS, Berhampur, the chairman of the school Sri Sanat Kumar Behera had wished all the success for the school and the children for their future endeavor.

Teacher's Voice

When I don't shine

Lately, it has been a rush to sparkle and shine.

But what if, I just brood and whine.

Lately, it has been a trend 'Be You', don't copy their line.

But what if, I learn from everyone I find.

Lately, it is asked, express yourself and be loud for what you need.

But what if, I remain quiet for what I heed.

Lastly, everyone has their part to play and I am playing mine.

When all of us are running into positivity for a rhyme.

If today, I am dull and dim, hope it's perfectly fine.

Please forget and forgive me for, when I don't shine.

Ms. Shakti Rai (T.G.T.)

Mount Litera Zee School, Jaunpur.

Health Corner

What to eat and what to drop to keep your energy levels healthy? **CHOOSE YOUR GRAIN WITH CARE** Swap refined white grains for whole-wheat atta, jowars, ragi, bajra and unpolished rice which are gold mines of fibre and nutrition. The slow releasing energy helps in feeling full for longer.

QUALITY PROTEIN Pulses, legumes, sprouts, tofu, paneer, eggs are building blocks of our body.

ENJOY HEALTHY OILS Use oils like soya, mustard, sunflower or corn oil. Olive oil has a good ratio of MUFA (Mono Unsaturated Fatty Acid) and PUFA. (Poly Unsaturated Fatty Acid) Avoid eating chocolates, cakes and biscuits as these are high in trans fats and loaded with sugar.

GO FOR RAINBOW DIET 5 portions of fruits and vegetables are must. The colours of fruits and vegetables are rich in vitamin, minerals, fibre and phyto nutrients.

Ms. Sudheshna, Primary Teacher

Mount Litera Zee School, Electronic City

YOUNGEST TEACHER AWARD

Every child deserves a champion - an adult who will never give up on them, who understands the power of connection and insists that they become the best that they can possibly be.

Teacher at MLZS, Alwar - Shubham Kumar Jain got

YOUNG TEACHER AWARD from INTERNATIONAL SCHOOL AWARD at Chandigarh.

It's a proud and privileged moment that he received award from Dr. Attaullah Wahidyar (DG General Education & Sr. Policy Program Advisor to Minister of Education at Ministry of education, Kabul Afghanistan) and Dr. Deepak Vohra (Special Advisor to the prime minister of Lesotho and Guinea-Bissau).

He currently works at Mount Litera Zee School, Alwar. Dr. Amita Chaturvedi (R.S.D. Zee Learn), K.D.Singh (Principal, MLZS, Alwar), Mrs. Hina Usmani (Vice-Principal, MLZS Alwar) congratulated him on this huge success.



MLZS, Alwar teacher bags young teacher award



Ms. Priya Mukerji received the Best Teacher Award from IIHM, Bangalore

POEM –THE LONER

Lining in the dark,
When on me dogs did bark,
I was all alone,
The world never felt like home.

Life was full of fear
I had shed a thousand tears,
Until you wiped them all,
It was the first time I received a friendship call...

Spent almost two years together,
We were better than birds of the feather
Life was rainbows and cupcakes
But everything ended when I realized all was fake.

She used me like a tissue paper,
No more with me she was later.
Now I realized that people are nothing more than betrayers
Thus, I now believe better is being a loner.

Nameera K,
Grade V - R K Narayan
Mount Litera Zee School, Electronic City

THE ATTIC

Once upon a time, there lived a boy named Connor. Connor lived with his mother, father, younger sister Catlin, younger brother Carter and a pet dog named Scooby. They lived in a mansion. Since their mansion was big, all the children had their own room. Connor and Carter's rooms were upstairs. The attic was connected to Connor's room. In the corner of his room, there was a ladder that went to the attic. Connor always kept the attic's door closed but whenever he wakes up in the morning, he sees the attic door open. He told his parents about this. They suggested him to keep the attic door open. Connor did the same. Now he faced no problem with that door. Their dog, Scooby, had his kennel in the front yard. Lately it had been raining so the family brought Scooby and his kennel inside the house. They kept it in the upstairs corridor. It was in the corner of the corridor. Every day, at 3 a.m. sharp, Scooby would wake up and start barking at Connor's room. This continued for a week. The family didn't even get a peaceful sleep due to Scooby's barking. Connor's father let Scooby sleep in Connor's room for one night and at 3 a.m. sharp, Scooby started barking loudly at the attic. Connor woke up and saw what was going on. He calmed Scooby down, and went near the attic's ladder with Scooby. But, Scooby wasn't ready to go near the attic. Connor understood that something was wrong with the attic. He went to Carter's room.

He was awake. Connor told him everything. "We should go and check the attic, Connor," he said. "You are right. Let's go and find out," Connor replied. They both went to the attic. Suddenly, Carter hugged Connor tightly. "What's come over you, Carter?" asked Connor. "I saw some black figure with the corner of my eye," he said. Carter pointed in that direction. shaky voice to Connor. Connor looked. It was a person dressed completely in black with a white face. It had two empty sockets in the face from which something, which looked like blood, was coming out but it was only black in colour. He even had white gloves and black shoes. He was staring right back at them. He moved his hand in such a way that looked like he was calling them. "What are we supposed to do now?" Carter asked. "When I say go, run out of the attic with Scooby," Connor whispered. "Three... two... one..." Connor began whispering. "GO!" Connor shouted. The creepy man tried grabbing them but the kids were too fast. They ran down the ladder and out of the room with Scooby. All of them ran to their parents' room. Connor narrated the whole story. Two days later, the family moved out of the country. They shifted from the U.S.A to England and never heard of that house again.

AASHVI,
Grade VI
Mount Litera Zee School, Electronic City

CBSE AND MICROSOFT JOIN HANDS TO BUILD UP CAPACITY FOR AI LEARNING FOR SCHOOLS

Collaboration to empower educators to impart AI-powered learning in CBSE schools in India

September 2019: The Central Board of Secondary Education (CBSE) has announced that it will conduct Capacity Building Programs for high school teachers in association with Microsoft India with an aim to integrate cloud-powered technology in K12 teaching. Meant for teachers of grades 8-10, the program will be conducted in 10 cities across the country, starting September 11, 2019

AI and intelligent technologies are becoming all-pervasive today, transforming organizations across sectors and redefining the way we work. To equip the workforce of tomorrow, it is critical to ramp up the institutional set-up and build capability among educators as well as integrate advanced technologies into the teaching process.

This program will provide teachers better access to the latest Information and Communication Technology (ICT) tools and help them to integrate technology into teaching in a safe and secure manner, thereby enhancing the learning experience and 21st century skills of all students. The 1000 teachers nominated by CBSE will undergo a 3-day project-based training for practical, hands-on knowledge of Microsoft 365 tools such as OneNote, Flipgrid, Teams, Outlook & Minecraft and Paint3D Microsoft.

They will also learn about digital story telling; creation of personalized learning experiences for diverse learners; use of Teams for virtual lessons and how to leverage Artificial intelligence tools to create BOTS and demystify concepts around Artificial Intelligence. The program will also offer them the opportunity to become Microsoft Innovative Educators. With this they will have access to free resources, tools and software; as well as mentoring sessions and discussions with global educators.

In the next phase the program will be extended to cover skilling workshops for 400 CBSE School on the Microsoft K-12 Education Transformation Framework.

Manish Prakash, General Manager, Microsoft India said, "AI has become a strategic lever for economic growth across nations around the world. Through this initiative, we are empowering institutions, educators and students of India to acquire early education/skills in new technologies like AI and cloud to lead that growth in that rapidly changing world. We are excited at the opportunity to partner with CBSE, as our very first endeavour in any country, to transform the education eco-system with the power of AI and cloud."

Microsoft works closely with schools throughout the entire transformation journey – from research and planning to creating tailored solutions and implementing the technology.



Khelo India ... Khelo MLZS, Karnal !!



'The Khelo India Programme', initiated by Prime Minister of India Sh. Narendra Modi, is a National Development Programme for Sports. It has been introduced to revive the sports culture in India at the grass-root level by building a strong framework for all sports played in our country and establish India as a great sporting nation.

To inspire young talent, give them top-notch infrastructure and training of the highest level and to inculcate a strong spirit of participation in sports, our school Mount Litera Zee School, Karnal also participated in Khelo India Assessments organised by Sports Authority of India and our Physical Education Teacher Ms. Suman Sandhu got an opportunity to

participate in Khelo India Training held at Jawaharlal Nehru Stadium, Delhi from 27th to 28th December, 2018. The trainers of Khelo India guided sports teachers about Importance of Physical Education in Schools, Khelo India Fitness App and its Usage, Khelo India Fitness Assessment.

MLZS, Karnal successfully conducted Khelo India Fitness Assessments of all our students of classes I to X in the month of April & May 2019. The second round again would be conducted in the month of September 2019.

Physical Education Teacher Ms. Suman Sandhu got another opportunity to deliver a National Level Training of Khelo India Programme organised by Sports Authority of India for Trainers at Rai Sports School (SAI Centre), Sonipat on 8th August, 2019 wherein 65 PETs from various schools participated. She deliberated a presentation on Khelo India Fitness App and its Usage, Khelo India Fitness Assessment and Importance of Physical Education in Schools. It was a worthwhile session wherein participants interacted with each other in the most creative manner to implement Khelo India Programme successfully in their respective school.

MLZS, Sainikpuri enchants at Wonderla



EXCURSION TO WONDERLA

The students of grades IX and X of Mount Litera Zee School, Sainikpuri were taken on an excursion to Wonderla on 24/8/2019. Students were filled into the buses and sang all the way through the hour long journey. On reaching, they were given safety instructions by the staff of Wonderla. Then, it was time for the dry rides and the kids excitedly tried the roller coaster, the whirling dragon and the cave ride among others. After lunch, the water rides beckoned. The Rain Disco was a popular attraction as were the Wave Pool, Lazy River and the Water Slides. The highlight of the day - for sure- was the Interstellar Mission experience! It was, in fact, the topic of discussion on the ride back to school in the evening. Students reached school at 7 p.m. from where they kids were picked up by their parents....with flushed faces but beaming smiles!!



National News

Innovators from small towns, rural India powering startups: PM



What matters is your merit," Modi said while addressing students at the 56th annual convocation of the Indian Institute of Technology (IIT) Madras.

The government's focus on startups has helped India become one of the top three startup-friendly ecosystems, Prime Minister Narendra Modi said.

The best part of India's stride in startups, he said, was that it was being powered by innovators from tier 2 and tier 3 cities, and rural India. "In the world of startups, the language you speak matters far less than the language you can code in. The power of your surname does not matter; you have the opportunity to create your own name.

The Prime Minister also praised the 'vibrant startup ecosystem' in IIT-M while stressing on the tremendous business opportunity for innovators and businesses in India today. "About 200 startups have been incubated here," he said. "I saw efforts in electric mobility, IoT, healthcare, Artificial Intelligence and more. Startups should create unique Indian brands which will make their place in the world market in the future," he added.

The government has worked to create a robust ecosystem for research and development, he said.

"Machine learning, Artificial Intelligence, robotics, state-of-the-art technology are all being introduced to students much earlier. Once a student comes to an institution and wants to work on innovation, there are Atal Incubation Centres being created in many institutions. The next challenge is to find a market to develop a startup. The Startup India programme is designed to help you meet these challenges. This programme will support innovations to find their way to the market," he said.

He urged students to constantly think of how their work, innovation and research could help fellow Indians. It was not only a social responsibility, but also a decision that makes immense business sense, he added, highlighting a few areas that they could concentrate on.

"Can you find the most cost-effective and innovative ways to recycle water use in our homes, offices and industries so that our fresh water extraction and use is reduced," he asked.

"As a society, we want to move beyond single-use plastics, so what can be an environment friendly replacement that offers similar use but not similar disadvantages. Many of the diseases that affect large sections of the population will not be the traditional contagious diseases, it will be lifestyle disease such as hypertension, type II diabetes, obesity, stress.

With the field of data science maturing and with the presence of data around the disease, technology can find a way to find patterns. When technology comes together with diagnostics, data science and behavioural science, interesting insight can emerge," he said.

India's innovation is a great blend of economics and utility and IIT-M is born in that tradition, he said. Students and researchers take up the toughest problems and come up with solutions that are accessible to all, he said, adding he hoped the spirit of innovating and pursuing excellence would continue.

Rashtriya Ekta Diwas observed across country to mark birth anniversary of Sardar Patel



National Unity Day - Rashtriya Ekta Diwas - is being observed across the country today, on the occasion of the 144th birth anniversary of the Iron Man of India, Sardar Vallabhbhai Patel. Since 2014, October 31st is observed as the National Unity Day and people from all walks of life participate in the 'Run For Unity'.

In Gujarat, the state level celebrations of National Unity Day were organised in Ahmedabad. Chief Minister Vijay Rupani flagged off the Run For Unity from Shahibaug Police Ground in the morning. He also administered a Unity pledge to the participants.

Speaking on the occasion, Mr Rupani said, Prime Minister Narendra Modi has fulfilled Sardar Patel's dream of United India by scrapping Article 370. He said every citizen should rise above the differences of caste, class and religion and live like an Indian. He also urged people to live for the country. Mr Rupani will participate in the Ekata parade at Sardar Patel Stadium in Ahmedabad in the evening. Meanwhile, Ekta Divas is also being celebrated at Karamasad, the birth Place of Sardar Patel.

Rashtriya Ekta Diwas observed across country..... contd

Maharashtra Governor Bhagat Singh Koshiyari and Chief Minister Devendra Fadnavis flagged off the 'Run for Unity' here to mark the 144th birth anniversary of Sardar Vallabhbhai Patel today. The Governor administered the unity pledge to the gathering. The event was jointly organised by the State Government and Brihanmumbai Municipal Corporation and was prominently attended by state BJP chief Chandrakant Patil, Chief Secretary Ajoy Mehta, and other dignitaries.

The 'Run for Unity' was also organised in other parts of the state, flagged off by respective District Collectors. A large number of people, government employees and students took part in the event and took pledge for unity.

Arunachal Pradesh also celebrated the Rashtriya Ekta Diwas (National Unity Day). In Papum Pare District, Doimukh MLA Tana Hali Tara flagged off the 'run for unity' from Gumto to Doimukh today morning. He also administered the pledge on national unity to the participants at Rono Hill Ground.

Chief Minister Pema Khandu in a message has extended best wishes to the people on occasion of Rashtriya Ekta Diwas. Paying rich tributes to Sardar Patel, Mr. Khandu said due to the efforts of the Iron Man of India the country was integrated as one entity in the years following India's independence. In 2014, the Government of India introduced Rashtriya Ekta Diwas with an aim to pay tribute to Sardar Vallabhbhai Patel on his birth anniversary. The Chief Minister reminded all that this year, the National Unity Day has a special significance, as it marks the completion of the task of making Jammu and Kashmir, and Ladakh an integral part of India by abrogating Article 370.

Puducherry Lieutenant Governor Dr. Kiran Bedi said, Sardar Patel strived persistently to unite all the princely states and thus

realized the dream of one India. Raj Nivas Puducherry organized the "Run for Unity" on National Unity Day today, to commemorate the birth day of Sardar Vallabhai Patel, the Iron Man of India.

A large number of students and others participated in the run which started in front of the Raj Nivas where the Amalorbavam school band presented patriotic songs.

Tripura also joins the Nationwide Rashtriya Ekta Diwas celebrations on the Birth Anniversary of Sardar Vallabhbhai Patel. To celebrate the day, State Government has organised 'Run for Unity' across the state. Chief Minister Biplab Kumar Deb flagged off the run from Swami Vivekananda Maidan, Agartala. A large number of people coming from different sections of society took part in the unity run. A seminar on the life, role and contributions of Vallabhbhai Patel also held at Muktaadhara Auditorium, Agartala.

In Tamil Nadu, the Run for Unity has been organized in all major cities and towns by different cross-sections of people, coinciding with the Birth Anniversary of the Iron Man of India, Sardar Vallabhbhai Patel. Union Finance Minister and senior BJP leader from the state Nirmala Sitaraman led a Run for Unity organized by the party in Chennai this morning. The staff of Southern Railways took the Ekta Divas pledge and participated in a Run for Unity in the state capital. In all Government offices, the staff took the Ekta Divas pledge.

Several leaders led by the state Governor Bunwarilal Purohit garlanded the statue of Sardar Patel as a mark of respect to the tall leader.

Jammu and Kashmir and Tamil Nadu are paired under the Ek Bharat Shreshtha Bharat programme. Both have signed Memorandum of Understanding to serve as the sister-states under the scheme.

Union Minister Prahlad Joshi and Karnataka Deputy Chief Minister Dr. Ashwathnarayan flagged off Unity run in **Bengaluru** today on the occasion of National Unity Day. Speaking thereafter Mr. Joshi said that the contribution of former Home Minister Sardar Patel well known as Iron man of India is remembered today on his 140th birthday. The Unity run, he added is an effort to create awareness about the yeoman task of Sardar Patel in unifying India by adding over 500 princely states into the Union of India. He remembered that Hyderabad Nizam had tried to side with Pakistan but with a smart move, Sardar Patel effectively merged Hyderabad with India. Saying that Sardar's contribution in building a united India was ignored for several decades, he said, Prime Minister Modi has taken the initiative to bestow on Sardar the honours that he well deserves.





Science News

60 students selected for PM innovative programme 'DHRUV' at ISRO headquarters



60 students have been selected for 'DHRUV,' the Pradhan Manthri Innovative Learning Programme, which will be launched from the ISRO headquarters.

DHRUV, the Prime Minister Innovative Learning Programme, will be launched

from the ISRO headquarters on Thursday by HRD minister Ramesh Pokhriyal 'Nishank.'

ISRO Chairman Dr K Sivan, Wing Cdr Rakesh Sharma, the first Indian to enter space and Principal Scientific Advisor to the Government of India, Prof K Vijay Raghavan will be the guests of honour at the launch of the programme.

The objective of DHRUV would be to allow talented students realise their full potential and contribute to society, said a government press release.

The programme aims at identifying and encouraging talented children to enrich their skills and knowledge.

As many as 60 outstandingly talented students have been selected in the first batch.

Students to be called 'DHRUV TARA'

After the launch, a programme of around 14 days' duration would be conducted with these students, with a Valedictory function on October 23, the release said. The programme will be called DHRUV (after the Pole Star) and every student, DHRUV TARA.

The release quoted Pokhriyal as saying that in the centres of excellence across the country, gifted children would be mentored and nurtured by renowned experts in different areas so that they can reach their full potential.

Many of the selected students are expected to reach the highest levels in their chosen fields and bring laurels to their community, state and nation, he added.

Chandrayaan-2 reaches Moon: Here is what Isro achieved in past 50 yrs

Indian Space Research Organisation's space odyssey started in 1969 and within six years it was able to send India's first satellite-Aryabhata-into space. Since then, its journey has been dotted with milestones, one after another, and a few setbacks that were few and far between.

Around 1.52 am on September 7 when hundreds of scientists at the Indian Research Space Organisation (ISRO) were glued to their monitor screens at ISRO'S control centre in Bengaluru, and millions of Indians were glued to their TV sets and mobile phones back home, India achieved two milestones and missed one by a whisker.

In focus was 'Mission Chandrayaan-2', India's ambitious attempt to reach Moon's south polar region, an area largely unexplored as most lunar probes have focused on Moon's equator and north pole. It was not just an attempt to merely reach Moon's south pole, Chandrayaan-2 was an attempt to soft-land a rover there, a feat achieved by only three countries - the US, Russia and China.

On September 7, India reached the Moon for the second time. This was a record in sorts, given the handful countries who have done it before. What India also achieved that day was reaching the Moon's south polar region, again. (The first was in 2008 with the hard-landing of Chandrayaan-1.)



But, these milestones aside, the milestone that India probably missed by a whisker was, it not being able to soft-land a rover on the Moon. Vikram Lander (which was part of Chandrayaan-2) landed on Moon, but not in the manner ISRO scientists had planned it to.

ISRO lost contact with Vikram in the penultimate moments when it was just 2.1 km above Moon's surface. What exactly happened next is not known. Did it crash-land on the Moon? We do not know. Was it able to control its speed on its own despite losing contact with ISRO (its system did have the capability)? We do not know.

So far ISRO has said it has located Vikram on the Moon. It is in "one piece" and in a "tilted position". "Efforts to establish contact with it are on and data is being analysed," is what Isro has said.

Had it been a successful soft-landing, India would have entered the league of a few nations to achieve the feat. But nevertheless, much of the Chandrayaan-2 mission is intact and in a very healthy state because most experiments will be carried out by the orbiter and not Vikram the lander. As per ISRO, the orbiter is

Chandrayaan-2 reaches Moon: Here is what..... contd

perfectly fine and moving on its trajectory around Moon.

Despite the setback with Vikram's landing, September 7 will be remembered as a day that heralded India into a new zone of space explorations. Call it a coincidence or something destined, but the feats of Chandrayaan-2 come in a year when ISRO completes its 50 years.

In this five-decade-old journey, the scientists at ISRO have ensured that the organisation reached milestones, one after the other, that kept their morale high to explore new frontiers.

ISRO'S space odyssey started on August 15, 1969. Within six years it achieved its first milestone on April 19, 1975 when the first Indian satellite -- Aryabhata -- successfully entered outer space with the help of the Soviet space agency. Weighing 360 kg, Aryabhata had a mission life of just six

months. For India, that was its 'one small step, one giant leap' moment.

In many ways, the scale of ISRO'S space odyssey can be understood from how it journeyed from the age of Aryabhata in 1975 to the age of something as complex as Chandrayaan-2 in 2019.

In this period, ISRO sent 105 Indian satellites into space, developed its own independent launch systems, carried out 75 launches, reached the Moon twice, successfully sent a spacecraft orbiting Mars, besides sending 297 satellites of 33 countries and 10 satellites designed and built by Indian students.

But, like journeys of all great ambitious organisations, there of course were a few setbacks and failures that dotted ISRO'S space odyssey. The positive aspect was, they were few and far between.

Of the 75 launches that ISRO has carried out till

date, only eight were unsuccessful. Besides this, two satellites failed in their orbits after being successfully launched while one suffered partial failure.

In terms of complexity, Chandrayaan-2 has been the most sophisticated missions undertaken by ISRO till date. Its precursor, Chandrayaan-1 too reached the Moon but through crash landing. In fact, it was the one that found vital evidence indicating presence of water molecules in Moon's south polar region, thus generating curiosity among space scientists to explore the region further.

As Isro embarks on its journey to explore new frontiers, next on its radar is the ambitious 'mission Gaganyaan' which plans to send three Indian into the space by 2022.

What exactly happened with Vikram in those final moments on September 7 will be known in due course, but the journey of experimentation and exploration at ISRO continues...



International News

Indian-American MIT Prof Abhijit Banerjee and wife Esther Duflo win Nobel in Economics

Banerjee, born in 1961 in Mumbai, bagged the award for his "experimental approach to alleviating global poverty".

Indian-American Abhijit Banerjee, who won the 2019 Nobel Prize for Economics jointly with his wife Esther Duflo and another economist Michael Kremer, is currently the Ford Foundation International Professor of Economics at the US-based Massachusetts Institute of Technology (MIT).

Banerjee, born in 1961 in Mumbai, bagged the award for his "experimental approach to alleviating global poverty".

The 58-year-old economist received his PhD in 1988 from Harvard University.

He also studied at the University of Calcutta and Delhi's Jawaharlal Nehru University.

In 2003, he founded the Abdul Latif Jameel Poverty Action Lab (J-PAL), along with his French-American wife Duflo, who is also a MIT professor, and Sendhil Mullainathan..

He remains one of the lab's directors, according to the MIT website.

Banerjee is a past president of the Bureau for the Research in the Economic Analysis of Development, a Research Associate of the NBER, a CEPR research fellow, International Research Fellow of the Kiel Institute, a fellow of the American Academy of Arts and Sciences and the Econometric Society, and has been a Guggenheim Fellow and an Alfred P Sloan Fellow and a winner of the Infosys prize.

He is the author of a large number of articles and four books, including Poor Economics, which won the Goldman Sachs Business Book of the Year.



"Why would a man in Morocco who doesn't have enough to eat buy a television? Why is it so hard for children in poor areas to learn, even when they attend school? Does having lots of children actually make you poorer? Answering questions like these is critical if we want to have a chance to really make a dent against global poverty," Banerjee wrote in the book 'Poor Economics'.

He is the editor of three more books and has directed two documentary films.

He also served on the UN Secretary-General's High-level Panel of Eminent Persons on the Post-2015 Development Agenda, the website said.



Sports News

World Test Championship: Steve Smith still on top, Rohit Sharma second

After 12 WTC matches, Steve Smith tops the run charts (774); Rohit Sharma has quickly closed in with 529 runs in three Tests against South Africa.

There is no stopping Rohit Sharma. After leading Mumbai Indians to its fourth IPL trophy and scoring five hundreds in the ICC Cricket World Cup, the 32-year-old has entered the World Test Championship wall of fame.

With 529 runs in three Tests against South

Africa, Rohit is now second to Steve Smith in the World Test Championship run charts.

Smith had a terrific Ashes season with 774 runs in four Test matches. Rohit — who was not even a Test regular for India — quickly turned the tide in his new role as opener. He smashed two hundreds (176 and 127 in Visakhapatnam) and a double hundred (212 in Ranchi) against the Proteas.

India Test vice-captain and his statemate Ajinkya Rahane is third in the list with 487 runs

comprising two hundreds (102 against West Indies in North Sound and 115 against South Africa in Ranchi) and three fifties.

Star batsman Virat Kohli is the No. 4 in the chart with 453 runs. Even he scored an unbeaten 254 against South Africa in Pune.



India moving from being sports-loving to sports-playing nation: Sachin Tendulkar



MUMBAI: Batting legend Sachin Tendulkar on Wednesday said India was on the path to transform from a sports-loving nation to a sports-playing one.

"There are inspiring stories I witness everywhere, of how running has helped transform individuals to become better versions of themselves," he said.

"India is on the right path to transform from a sports -loving nation to a sports-playing nation and events like these (half marathon) have a huge part to play in encouraging people to step out and keep moving," Tendulkar was quoted as saying in a media release.

PM Narendra Modi launches Fit India Movement, says will lead India towards healthy future

Prime Minister Narendra Modi launched the Fit India Movement on 20th August, 2019 saying the initiative was the need of the hour and will take the country towards a healthier future.

At a colourful ceremony, which included a presentation of India's indigenous martial art forms, dances and sports, Modi said technology has contributed to a sedentary lifestyle. "Fitness has always been an integral part of our culture. But there is indifference towards fitness issues now. A few decades back, a normal person would

walk 8-10 km in a day, do cycling or run," Modi said during the event. "But with technology, physical activity has reduced. We walk less now and the same technology tells us that we are not walking enough."

The launch was also attended by sports minister Kiren Rijiju and this year's national sports awards winners, among others. "We will take this movement to new heights with the cooperation of my fellow Indians. I am so glad that this movement is being launched on the birth anniversary of Major Dhyan Chand, our hockey wizard," Rijiju said at the launch.

The Prime Minister congratulated the winners of the national sports awards and lauded India's sporting achievements. "Be it boxing, badminton, tennis or any sport, our athletes are giving new wings to our aspirations. Their medals are not just a result of their hard work but also a reflection of a new India's confidence," he said.



QUESTION OF THE MONTH

Sumathi buried the following in a corner of his garden to dispose them off:

a broken egg shell, pencil shavings, dry leaves, plastic carry bags, fruit and vegetables peels

If the corner is dug up 5 years later, which of these is most likely to have remained the same?

- A the broken egg shell
- B dry leaves
- C plastic carry bags
- D fruit and vegetable peels

Congratulations to the Winners for previous Question of the month:

1. Ms. Kavinya- IA: MLZS, Chennai
2. Master Kumar Sanskriti – II : MLZS, Horamavu
3. Master Ashish Singh -VI A : MLZS, Chandrapur

RIDDLE

1

What can you catch but not throw?

2

What belongs to you, but other people use it more than you do?

3

What does everyone in the world do at the same time?

4

What can run but never walks, has a mouth but never talks, has a head but never weeps, and has a bed but never sleep?

5

What has teeth, but cannot bite?

1. A cold
2. Your name
3. Grow older
4. A river
5. A comb

ANSWERS

SUDOKO

	1	2	3	4	5	6	7	8	9
A			5	2		9	7		
B		4			5			2	
C		2						3	
D			7		2		1		
E				8		6			
F			3		4		6		
G		3						7	
H		1			6			9	
I			9	4		3	5		

	1	2	3	4	5	6	7	8	9
A	3	8	5	2	1	9	7	6	4
B	7	4	6	3	5	8	9	2	1
C	9	2	1	6	7	4	8	3	5
D	8	6	7	9	2	5	1	4	3
E	1	9	4	8	3	6	2	5	7
F	2	5	3	7	4	1	6	8	9
G	5	3	8	1	9	2	4	7	6
H	4	1	2	5	6	7	3	9	8
I	6	7	9	4	8	3	5	1	2

TONGUE TWISTERS

Tongue twisters are phrases or sentences that are hard to say quickly and correctly. They are good pronunciation practice. Try to say each of these quickly three times.

- A black bug's blood.
- Six silly sisters selling shiny shoes.
- willy's real rear wheel.
- He threw three free throws.

WORLD SEARCH

Cities of India

U	U	O	A	O	U	M	D	E	L	H	I	R	M
D	I	A	C	N	B	K	W	K	A	U	A	I	L
A	H	E	A	N	O	M	A	O	N	E	A	E	B
D	C	S	N	L	U	P	N	N	G	N	E	I	
A	O	T	K	M	A	H	P	K	R	K	E	U	A
S	K	A	B	N	A	N	C	A	L	P	C	T	D
A	T	A	A	A	N	I	T	D	N	O	S	U	N
A	I	J	R	R	U	P	I	A	J	R	B	R	L
I	I	L	I	A	P	A	B	N	I	T	A	B	E
C	A	A	N	S	U	R	A	T	N	B	R	N	N
A	H	E	M	E	D	A	B	A	D	L	R	A	U
B	A	N	G	A	L	O	R	E	R	A	B	N	P
E	A	A	A	V	A	R	N	A	S	I	T	N	H
E	I	I	C	H	E	N	N	A	I	R	N	R	

PORT BLAIR
JAIPUR
MUMBAI
KOCHI
DELHI
BANGALORE
CHENNAI
LUCKNOW
KOLKATA
PANAJI
VARNASI
AHMEDABAD
PUNE
SURAT
AGRA

FIND THE DIFFERENCE



- In Picture B
1. CAD on briefcase | 2. Pants are shorts | 3. BUS SPOT | 4. Button are on other side of coat
5. Stitching on second button is horizontal | 6. Hand is out of pocket | 7. Scarf has two ends
8. Craig Freeman '98