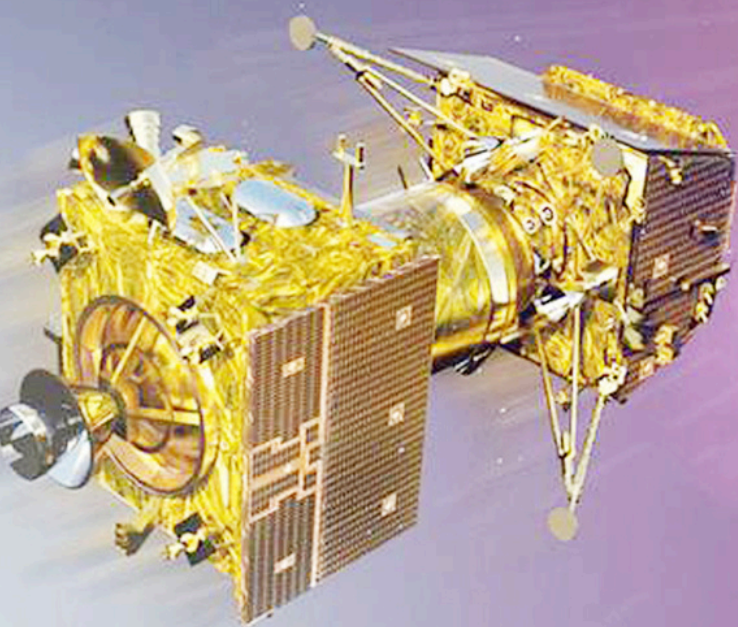




*Educating persons for and with others*



# VOICE OF XAVIER'S



## should i be a scientist?

## The Rocketeers: Stars of the moon mission

A look at the 5 key figures behind India's lunar mission — Chandrayaan-3 — that propelled the country to a historic success

### S Somanath

(Isro chairman)  
Leader of the lunar mission, Somanath took charge of Isro in 2022, two years after Chandrayaan-2 failed to land on the Moon. An aerospace engineer, the Isro chairman helped design India's most trusted launch vehicle — Launch Vehicle Mark-3 — that carried the Chandrayaan-3 spacecraft. Since July 14, he has been closely monitoring its progress, including ensuring that all tests were successfully conducted, manoeuvres were done to perfection and finally the landing was achieved successfully. He is an alumnus of Indian Institute of Science.



### P Veeramuthuvel

(project director)  
In charge of the overall mission of putting together Chandrayaan-3 in coordination with multiple Isro centres, Veeramuthuvel started working on India's third lunar mission in 2019 and is known to have made key contributions to the improved design of the Vikram lander. The Tamil Nadu-based scientist was also involved in the developments of the Chandrayaan-2 mission. An alumnus of the IIT-Madras, Veeramuthuvel was earlier the deputy director of Space Infrastructure Programme Office.



### Kalpna K

(deputy project director)  
Second-in-command, Kalpna is known as a scientist who pays extra attention to the minute details of the mission. According to her colleagues, she ensured that the mission progressed even during the pandemic. After the mission was announced a success, Kalpna said, "This is the happiest moment of not only my life but the lives of all Indians. I am unable to form words to express how stoked I am." She was previously involved in the second lunar mission and the Mangalyaan mission.



### M Sankaran

(director at UR Rao Satellite Centre)  
Sankaran heads the UR Rao Satellite Centre that built the Chandrayaan-3 spacecraft. He took charge of the centre in 2021. He has played a pivotal role in the development of solar arrays, power systems, and communication systems for India's two previous lunar missions — the Chandrayaan 1 and 2 and the Mars Orbiter Mission (MOM), also known as Mangalyaan. Sankaran earlier held the position of deputy director for the Communication and Power Systems Unit at URSC.



### M Srikanth

(mission director)  
He spearheaded the navigation aspect of the mission and was also closely involved in the development of both Chandrayaan 1 and 2. Addressing the space agency's scientists after the success of the mission, he said, "It gives me immense pleasure to address you all for the success of the Chandrayaan-3 and to be a part of this momentous mission. I would like to thank each and every scientist who was involved in the project for fulfilling your part so meticulously and ensuring the success today".



### KEY MOMENTS FOR INDIA IN SPACE

**1962:** Indian space programme, called the Indian National Committee for Space Research (INCOSPAR), is set up

**1969:** The Indian Space Research Organization (Isro) superseded INCOSPAR with an expanded role to harness space technology

**1975:** India's first satellite, Aryabhata, is launched. Named after the famous astronomer, the satellite was entirely designed and fabricated in India and launched by a Soviet Kosmos-3M rocket from Kapustin Yar

**1980:** Satellite Launch Vehicle-3 was India's first experimental

placed Rohini satellite (RS-1), in orbit, making India the sixth member of an exclusive club of space-faring nations

**1984:** Wing Commander Rakesh Sharma became the first Indian citizen to enter space when he flew aboard the Soviet rocket Soyuz T-11 launched from Baikonur Cosmodrome in the Kazakh Soviet Socialist Republic

**2014:** Mars Orbiter Mission (MOM), also called Mangalyaan, was India's first interplanetary mission that made Isro the fourth space agency to achieve



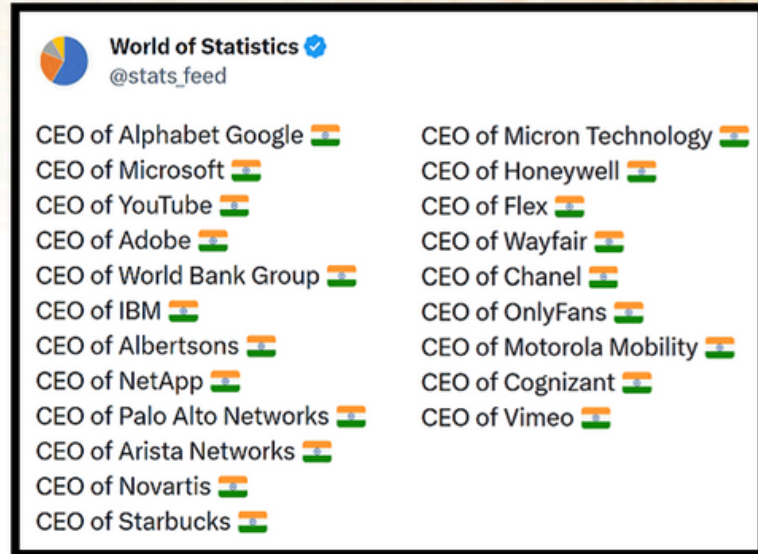


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### Science and Scientists

A few days back Elon Musk tweeted a list of CEO's of companies who are from India or have Indian origin. Such news always leaves a sense of pride for the country and it also inspires others to work hard in their given tasks, for if they have been there, we can be there too.

With the gigantic triumph of Chandrayaan 3, the team of scientists behind it has also been awe inspiring. Their humble beginnings, their generous spirit of hard work and commitment to the mission at hand, their ability to give without counting the cost, have all made one wonder that we wish we have more of their tribe. Hence I wish to share with you on the role of Science and scientist for humanity, as we continue to be persons for and with others as Xavierites.



Science, the systematic pursuit of knowledge through observation, experimentation, and analysis, has been the cornerstone of human progress for centuries. It is through science that we unravel the mysteries of the universe, comprehend the intricate workings of the natural world, and innovate technologies that transform our lives. At the heart of this relentless quest for understanding stand the scientists, the intrepid explorers of the unknown, whose brilliance and dedication have reshaped our world.

Scientists are the vanguards of human curiosity, driving us towards a deeper comprehension of the cosmos. They are driven by an insatiable desire to unveil the hidden truths of nature, often challenging established beliefs and pushing the boundaries of what is known. Galileo Galilei's defiance of prevailing dogma by championing the heliocentric model of the solar system, or Albert Einstein's groundbreaking theory of relativity, which redefined our understanding of time and space, are prime examples of scientists who shook the foundations of knowledge.



However, the journey of a scientist is not a solitary one. Collaboration and communication lie at the heart of scientific progress. Researchers from diverse backgrounds converge to pool their expertise and insights, resulting in breakthroughs that would be unattainable by individual effort. The Large Hadron Collider, a marvel of modern engineering, brought together thousands of scientists worldwide to discover the elusive Higgs boson, reshaping particle physics in the process.

Despite the grandeur of their accomplishments, scientists also grapple with ethical dilemmas and uncertainties. The development of nuclear technology, for instance, offers immense energy potential but also poses catastrophic risks. The responsibility to balance progress with potential harm underscores the need for ethical considerations to guide scientific advancement.



The significance of science is immeasurable in its impact on our lives. It has improved healthcare, revolutionized industries, and shaped policies for the betterment of society. Medical researchers tirelessly work to unravel the intricacies of diseases, developing treatments and vaccines that save countless lives. The rapid development of vaccines, such as the mRNA-based COVID-19 vaccines, showcased the remarkable agility of scientists in the face of global challenges.

Innovation, a hallmark of scientific pursuit, has led to the birth of technologies that define our era. From the invention of the steam engine during the Industrial Revolution to the advent of artificial intelligence in the digital age, scientists have sparked revolutions that reshape economies and societies. The relentless drive for discovery has brought us from the Wright brothers' first flight to the exploration of Mars, demonstrating the unbounded potential of human ingenuity.

Science and scientists stand as beacons of human progress, illuminating the path of discovery with their dedication, curiosity, and innovation. Through their collaborative efforts, they shatter the barriers of ignorance and reshape our understanding of the universe. From the smallest subatomic particles to the vast expanse of space, their work inspires awe and reverence for the beauty of knowledge. As we navigate an ever-changing world, science remains our compass, and scientists our guides, in the endless pursuit of understanding. I wish that each of you as students ask yourselves the question 'Should I be a scientist?' and I Say, 'why not?'

May God bless us all!

Fr. S Arul Rayan SJ





### INTERNATIONAL YOUTH DAY

The International youth day falls on 12th August. The occasion is mere symbolic, to acknowledge, commemorate & remind the youth of their Josh, vigour and to keep aflame that zeal which in turn would shape the destiny of their nation and the world at large. As such, every day is a youth day, for the momentum they carry carves the future of a nation each day, but celebrating it with a day would also bring to the fore affecting the youth across the world. The 'day' emphasizes the need of the concerted efforts to address their various issues, for not a single sector can remain oblivious to the contagious energy of the youth. One can secure a promising & sustainable developing future for the mankind if this budding youthful energy is channelized properly.

Viha Bhatt  
12 A



**"The youth  
is the  
hope of our  
future."  
- Jose Rizal**

આંતરરાષ્ટ્રીય યુવા દિન (International Youth Day) આખા વિશ્વમાં ૧૨ ઓગસ્ટના રોજ ઉજવવામાં આવે છે. સૌ પ્રથમ વાર ઇ.સ. ૨૦૦૦ના વર્ષમાં આંતરરાષ્ટ્રીય યુવાદિનની ઉજવણીના આયોજનનો આરંભ કરવામાં આવ્યો હતો. વિભિન્ન દેશોમાં અલગ અલગ દિવસે પોતાના દેશના યુવાનોની કોઈ મહત્વપૂર્ણ ગતિવિધીની સ્મૃતિ રૂપે આ દિવસ મનાવવામાં આવતો હોય છે. ભારતમાં યુવા દિન ૧૨ જાન્યુઆરીએ જ્યારે દક્ષિણ આફ્રિકામાં યુવા દિન ૧૬ જૂનના દિવસે મનાવવામાં આવે છે.

કોઈપણ દેશ માટે યુવાનોની ભાગીદારી સૌથી મહત્વપૂર્ણ છે. વિકસિત અને વિકાસશીલ બંને દેશોમાં યુવાનોને માનસિક અને સામાજિક મુશ્કેલીઓ થવાની શક્યતા વધુ છે. તેથી, યુવાનો જાગૃત અને વિવિધ પડકારો સામે લડવા સક્ષમ હોવા ખૂબ જ મહત્વપૂર્ણ છે. યુવાનોમાં કાયદાકીય મુદ્દાઓ અને તેમના સાંસ્કૃતિક વિશે જાગૃતિ લાવવા દર વર્ષે 12 ઓગસ્ટને આંતરરાષ્ટ્રીય યુવા દિવસ International Youth Day 2022 તરીકે ઉજવવામાં આવે છે.

#### • આંતરરાષ્ટ્રીય યુવા દિવસનો ઇતિહાસ:

1998ની વિશ્વ પરિષદમાં, પ્રથમ વખત આંતરરાષ્ટ્રીય યુવા દિવસ એટલે કે આંતરરાષ્ટ્રીય યુવા દિવસની ઉજવણી કરવાનું સૂચન કરવામાં આવ્યું હતું. કોન્ફરન્સમાં હાજર રહેલા મંત્રીઓએ યુવાનોને સમર્પિત દિવસનો પ્રસ્તાવ મૂક્યો હતો. બીજા વર્ષે 1999 માં, સંયુક્ત રાષ્ટ્ર મહાસભામાં આંતરરાષ્ટ્રીય યુવા દિવસનો ઠરાવ અપનાવવામાં આવ્યો. યુનાઈટેડ નેશન્સ એસેમ્બલીએ 17 ડિસેમ્બર 1999 ના રોજ આ દિવસ ઉજવવાનું નક્કી કર્યું હતું, પરંતુ તેણે 12 ઓગસ્ટ 2000 થી તેને ઉજવવાનું શરૂ કર્યું. વર્ષ 2013 માં YOUTHINK એ આંતરરાષ્ટ્રીય યુવા પરિષદનું આયોજન કર્યું, જેમાં ઘણા અગ્રણી વક્તાઓ અને એવોર્ડ સમારંભનો સમાવેશ થતો હતો.

#### • આંતરરાષ્ટ્રીય યુવા દિવસનું મહત્વ:

યુવાઓનો અવાજ, કાર્યો અને તેમના દ્વારા કરવામા આવેલી શોધોને દેશ તથા દુનિયા સુધી પહોંચાડવા માટે આ દિવસ ખાસ છે, દર વર્ષે 12 ઓગસ્ટના દિવસને આંતરરાષ્ટ્રીય યુવા દિવસ મનાવવામાં આવે છે. આનો ઉદ્દેશ્ય યુવાઓની સમસ્યાઓ અને સિદ્ધિઓને આંતરરાષ્ટ્રીય સંગઠન જેવા કે સંયુક્ત રાષ્ટ્ર, માનવાધિકાર સુધી પહોંચાડવાનું છે.

"Youth is the energy of the nation and the future of the country"

Vidhan Joshi  
12 C





### INDEPENDENCE DAY

15 મી ઓગષ્ટના દિવસને ભારત દેશના સ્વતંત્રતા દિવસ તરીકે ઉજવવામાં આવે છે. ભારતના મુખ્ય ત્રણ રાષ્ટ્રીય તહેવારો છે : 15ઓગષ્ટ એટલે કે સ્વતંત્રતા દિવસ, 26 મી જાન્યુઆરી ગણતંત્ર દિવસ તરીકે અને 2 ઓક્ટોબર એટલે ગાંધી જયંતી.

200 વર્ષ સુધી ભારતમાં અંગ્રેજોનું શાસન હતું આપણાં ભારત દેશને 15મી ઓગસ્ટ 1947 ના દિવસે અંગ્રેજોની ગુલામીમાંથી સ્વતંત્રતા મળી હતી. જેની ઉજવણી રૂપે આઝાદીનું પર્વ સમગ્ર દેશમાં ધામધુમથી ઉજવાય છે.

સ્વતંત્રતા દિવસનો મુખ્ય કાર્યક્રમ નવી દિલ્હીમાં કરવામાં આવે છે. દેશના વડાપ્રધાન દિલ્હીના લાલ કિલ્લા પર આપણો રાષ્ટ્રધ્વજ ફરકાવે છે, રાષ્ટ્રગીતનું ગાન કરવામાં આવે છે તેમજ દેશની જનતાને પ્રજાજોગ સંદેશ પાઠવે છે. દેશની આઝાદી માટે પોતાના પ્રાણ ન્યોછાવર કરનાર વીર શહીદોને શ્રદ્ધાંજલિ આપે છે.

સુરક્ષા દળો દ્વારા પરેડનું આયોજન કરવામાં આવે છે. ભારતની સુરક્ષા માટે સતત કાર્યરત એવા ભૂમિદળ, હવાઈદળ અને નૌકાદળ સાથે મળીને તેમની શક્તિનું પ્રદર્શન કરે છે. દરેક રાજ્યના મુખ્યપ્રધાનો દ્વારા આવી જ રીત રાજ્યના રાજધાની સ્થળે ધ્વજવંદન કરવામાં આવે છે.

આપણા ગુજરાતમાં દર વખત અલગ-અલગ જિલ્લાઓમાં ક્રમાનુસાર રાજ્ય કક્ષાનો 15મી ઓગષ્ટનો કાર્યક્રમ રાખવામાં આવે છે જેમાં રાજ્યના મુખ્યપ્રધાનના હસ્તે ધ્વજવંદન કાર્યક્રમ યોજવામાં આવે છે. ત્યાંના લશ્કરી અને અર્ધલશ્કરી દળો દ્વારા પરેડ પણ કરવામાં આવે છે. તેમજ વિવિધ સાંસ્કૃતિક કાર્યક્રમોનું આયોજન પણ થતું હોય છે.

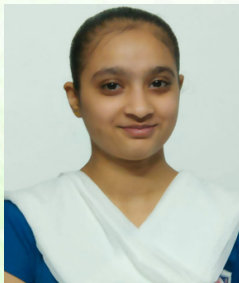
દેશને ગુલામીમાંથી મુક્ત કરાવવા અને આઝાદી પ્રદાન કરવા અનેક શહીદોને બલિદાનો આપ્યા છે. અનેક વીર જવાનોએ પોતાના જીવનની ચિંતા કર્યા વગર આઝાદી માટે જીવન ન્યોછાવર કર્યા છે ત્યારે આપણને સ્વતંત્રતા મળી છે.

આઝાદ ભારતના નાગરિક તરીકે દેશની એકતા અને અખંડિતતા જળવાઈ રહે એ આપણી ફરજ છે. દેશની રક્ષા માટે પોતાના જીવના જોખમે સરહદ પર આપણી સુરક્ષા માટે ફરજ બજાવતા જવાનોનું દેશમાં રહેલા દરેક નાગરિકોએ સન્માન કરવું જોઈએ. દેશને આઝાદી અપાવવા પોતાના બલિદાન આપનાર વીર જવાનોને આપણે ક્યારેય ના ભૂલી શકીએ.

બસ, આટલું કહી હું મારા શબ્દોને વિરામ આપું છું.

જય હિન્દ જય ભારત...

Mahi Patel  
11-C



Independence day is annually celebrated annually on 15 August as a public holiday in India commemorating the nation's Independence from United Kingdom on 15th august 1947.

India attained independence following the independence movement noted for largely non-violent resistance and civil disobedience led by Indian National Congress under the leadership of Mahatma Gandhi.

Independence coincidence with the partition of India, in which British India was divided into the Dominions of India and Pakistan.

Independence day is observed throughout India with flag hoisting ceremonies, parades and cultural activities. It is a national holiday.

The first Prime Minister of India, Jawaharlal Nehru raised the Indian National flag above the Lahori Gate of Red fort in Delhi. On each subsequent Independence Day, the incumbent Prime Minister customarily raises the flag and gives an address to the nation. The entire event is broadcast by Doordarshan, India's national broadcaster and usually begins with shehnai music of Ustad Bismillah Khan.

Vaidehi Sonar  
12 - C



સ્વતંત્રતા દિવસ  
की हार्दिक शुभकामनाएं



### RAKSHABANDHAN

રક્ષાબંધનએ હિન્દુ ધર્મનો તહેવાર છે.આ તહેવાર બહેન અને ભાઈના પ્રેમનું પ્રતિક છે.આ તહેવારને આખા ભારતમાં ખુબજ ઉત્સાહથી ઉજવવામાં આવે છે. આ રક્ષાબંધનનો તહેવાર શ્રાવણ મહિનાની પૂર્ણિમાના દિવસે ઉજવાય છે.આ તહેવાર ખાલી બહેનનો પ્રેમ અને ફરજ વ્યક્ત કરવાનો દિવસ નથી પરંતુ રક્ષાબંધન ઐતિહાસિક અને ધાર્મિક મહત્વને લીધે આ દિવસ ખુબજ મહત્વનો બની ગયો છે.

આ દિવસે બધી બહેનો પોતાના ભાઈઓના જમણા હાથના કાંડા પર રાખડી બાંધે છેએને કુલો,કુમકુમ,દિયા,ચોખા,મીઠાઈઓ તથા રાખડીની મદદથી પૂજાની થાળી શણગારે છે. આ દિવસે બહેન તેના ભાઈ ને રાખડી બાંધી મીઠાઈઓ ખવડાવે છે અને શુભેચ્છાઓ પાઠવે છે.ભાઈઓ પોતાની બહેનો ને ભેટ આપે છે તથા ભાઈઓ હમેશા બહેનોની રક્ષા કરવાનું વચન આપે છે. ભાઈઓ બહેનોનો સબંધ અમૂલ્ય છે. શ્રાવણ મહિનો આવતાની સાથેજ દુનિયાભરના ભારતીયો રક્ષાબંધનની આતુરતાથી રાહ જોવે છે. મહાભારતના જમાનાથી રાખડીનો ઇતિહાસ જોડાયેલો છે.ભગવાન શ્રી કૃષ્ણને શ્રુતદેવી નામની એક કાકી હતી તણે શિશુપાલ નામના વિકૃત સ્વરૂપના બાળકને જન્મ આપ્યો.એકવાર તેમણે તેમના વડીલો પાસેથી જાણવા મળ્યું કે જેમના સ્પર્શથીશિશુપાલ સારો અનેતે આરોગ્ય સારું થયું તેના હાથ નો શિશુપાલ ભોગ બનસે.એક દિવસ શ્રી કૃષ્ણ તેમની કાકી ના ઘરે ગયા શ્રુત દેવીના પુત્ર ને શ્રી કૃષ્ણ ના હાથ માં મુકાવી એ શિશુપાલ સુંદર અને આરોગ્ય પણ સારું થઈ ગયું.પરંતુ હવે શ્રી કૃષ્ણના હાથે શિશુપાલની મૃત્યુનો ભય શ્રુત દેવીને લાગ્યો તથા તેમને શ્રી કૃષ્ણ ને પાર્થના કરીને કહ્યું કે શિશુપાલ થી કોઈ ભૂલ થાય તો તેને શ્રી કૃષ્ણ ધ્વારા સજા કરવી નહીં શ્રી કૃષ્ણ એ તેમની કાકી ને વચન આપાયુંકે હું શિશુપાલને તેની ભુલો માટે માફ કરીદઈશ પરંતુ તેની સો ભૂલો માફ કરીશ.પછી જો તેણે કોઈ ભૂલ કરી તો હું તેને જરૂર થી સજા કરીશ.

શિશુપાલ મોટો થઈ ને ચેદી નામના રાજ્યનો રાજા બન્યો.પરંતુ તે ખુબજ ક્રૂર રાજા બન્યો એક સમયે તેને સંપૂર્ણ રાજદરબારમાં શ્રી કૃષ્ણની નિંદા કરી તેથી તેની સો ભૂલોની માર્યાદા પૂરી થઈ ગઈ હવે.શ્રી કૃષ્ણએ તરતજ સુદર્શનચક્રનો ઉપયોગ કર્યો અને શિશુપાલ નો અંત આવ્યો. સુદર્શનચક્ર છોડતી વખતે તેમની આંગળીમાં ઘા પડ્યો ત્યારે દ્વરોપદીપોતાની સાડીનો છેડો ફાડી શ્રી કૃષ્ણના ઘાવ પર બાંધ્યો ત્યારે શ્રી કૃષ્ણ એ દ્વરોપદી રક્ષાનો પ્રણ લીધો ત્યાર બાદ જ્યારે કૌરવો દ્વરોપદી નું ચીરહરણ કરાયુ ત્યારે શ્રી કૃષ્ણ એ તેમની રક્ષા કરી.

રક્ષાબંધન એ ખાસ કરીને ભાવનાઓ નો તહેવાર છે.ભાઈ બહેનના અખૂટ બંધનને એક સ્નેહનો દોરો બનાવી દીધો છે.આજ-કાલની ઝડપી જીવનમાં રક્ષાબંધન જેવા તહેવાર આપણા પ્રિયજનો ને મળવાનો એક સારો તક છે.

Diya Chaudhari  
8 - C



“Rakhi celebrates the beautiful bond of love which also has various other colours to make it a perfect life.”

Rakshabandhan is an ancient Hindu festival that celebrates the beautiful bond of love and duty between brothers and sisters. Rakshabandhan means a bond of protection. This festival is not just celebrated by biologically related brothers and sisters, but it develops a strong bond of love between cousins, friends etc. Rakshabandhan is celebrated on the full moon day of Hindu luni-solar calendar in the month of Shravana which typically falls in the month of August. It is usually celebrated at home where a sisters ties a rakhi on the wrist of her brother. This is usually followed by ceremonial pujas and the most exciting and awaited part where the brothers give gifts to their sisters. This is accompanied by sweets and festivities. This day is one of the sweetest days in Indian homes where kins cherish the time of their lives together.

"Let's celebrate the beautiful bond of trust, love and responsibility, forever."

HAPPY RAKSHABANDHAN

Aneri Brahmbhatt  
8 - A





### ONAM

ઓણમ એ ખૂબ પ્રાચીન તહેવાર છે. હજુ આજના આધુનિક સમયમાં પણ તે ઉજવાય છે. તે દર વર્ષે શ્રાવણ નક્ષત્રમાં ઉજવવામાં આવે છે. જે ઓગસ્ટ કે સપ્ટેમ્બરમાં આવે છે. શ્રાવણ નક્ષત્રને જ મલયાલમ ભાષામાં ઓણમ કહે છે. આ તહેવાર ખેતરમાં પાકની સારી ઉપજ માટે ઉજવવામાં આવે છે. આ તહેવાર 10 દિવસ સુધી ઉજવવામાં આવે છે. પૌરાણિક માન્યતાઓ અનુસાર રાજા મહાબલિ નું સ્વાગત કરવા માટે દર વર્ષે ઓણમ નું આયોજન કરવામાં આવે છે. આ દિવસે લોકો પોતાના ઘરે રંગોળી બનાવે છે કેરળનો ચોખાની લણણીનો તહેવાર અને મલયાલમ મહિના ચિંગમમાં આવતા વરસાદી ફુલના તહેવારને રાજા માવેલીની પાથલમની વાર્ષિક મુલાકાત તરીકે ઉજવવામાં આવે છે.

પ્રાચીન સમયથી રાજા માવેલીને કેરળમાં લોકો દ્વારા આદરભાવ આપવામાં આવે છે. બાળકોથી લઈને વડીલો સુધી દરેકના દરેક નવા કપડા પહેરે છે. આ તહેવાર પર બોટ રેસ, માસક ડાન્સ વગેરેનું આયોજન કરવામાં આવે છે. ઓણમનો તહેવાર તેની સાથે સુખ, સમૃદ્ધિ, પ્રેમ, સંવાદિતા અને પરસ્પર સહયોગનો સંદેશ લઈને આવે છે, ત્યારથી ઓનમ એક અનોખો તહેવાર છે.

Shreyanshi Goswami  
5 - C



### સંસ્કૃત દિવસ

હિંદુ કેલેન્ડરના મુજબ સંસ્કૃત દિવસ શ્રાવણ પૂર્ણિમાના દિવસે આવે છે. વર્ષ 1969 માં પ્રથમ સંસ્કૃત દિવસ ઉજવવામાં આવ્યો હતો. વર્ષ 2023 માં વિશ્વ સંસ્કૃત દિવસ 31 ઓગસ્ટના દિવસે આવી રહ્યો છે.

**સુરસ-સુબોધા વિશ્વમનોજા લલિતા હઘા રમણીયા ।**

**અમૃતવાણી નૈવ ક્લિષ્ટા ન ચ કઠિના ।।**

**અર્થ-** આ સંસ્કૃત ભાષા રસયુક્ત છે. સુબોધ છે. વિશ્વના લોકોના મનને મુખ્ય કરનારી છે. આ સુંદર છે. આ સંસ્કૃત ભાષા અમૃતવાણી છે. આ સંસ્કૃત ભાષા કઠિન નથી.

સંસાર માં ઉપલબ્ધ ભાષાઓમાં સંસ્કૃત સૌથી પ્રાચીનતમ ભાષા છે. આ ભાષામાં પ્રાચીન ભારતીય સભ્યતા અને સંસ્કૃતિનો બહુ વિશાળ ભંડાર છે. સર્વ પ્રથમ સંસ્કૃતમાં લિખિત ગ્રંથ ઋગ્વેદ છે. એમ કહેવાય છે કે વેદો અપૌરુષ્ય છે. તેની રચના કોઈ પુરુષે નથી કરી પરંતુ ખુદ ઈશ્વરે ઋષિમુનિઓના મનમાં તે ભાષાનો અવિર્ભાવ કર્યો અને ઋષિઓના ચિત્તમાં આ ભાષાનું જ્ઞાન મુકાયું. સંસ્કૃતને દેવવાણી કહી છે. મહર્ષિ પાણિની ના વ્યાકરણના વ્યાપક સ્વરૂપને અને વૈજ્ઞાનિક સિદ્ધાંતને પારંપરિક રીતે શાસ્ત્રીય સંસ્કૃતની શરૂઆતની રીતે લેવામાં આવે છે. સંસ્કૃત ભાષાના વ્યાકરણના ઉદ્ભવમાં મહર્ષિ પાણિની નું યોગદાન અતુલનીય અને અહમ છે. એવું માનવામાં આવે છે કે સંસ્કૃત ભાષાની ઉત્પત્તિ ભારતમાં લગભગ 3500-4000 વર્ષ

પૂર્વ થઈ હતી. સંસ્કૃત વર્ણમાળામાં કુલ 46 અક્ષરો છે. આ ભાષાના સુપ્રસિદ્ધ ગ્રંથો રામાયણમાં 24,000 અને મહાભારતમાં 1,00,000 સંસ્કૃત શ્લોકો છે. વર્તમાન સમયમાં સંસ્કૃત શબ્દકોશમાં 102.78 અરબ શબ્દો છે. વિષ્ણુપુરાણની ઉક્તિ છે

**उत्तरं यत्समुद्रस्य हिमाद्रेश्चैव दक्षिणम् ।**

**वर्ष तद् भारत प्राहुर्भारती यत्र सन्ततिः ।।**

**અર્થ -** જે દેશ હિન્દ મહાસાગર ની ઉત્તરે અને હિમાલય ની દક્ષિણ સ્થિત છે તેને પૂર્વના લોકોએ ભારત કહ્યું હતું.

સંસ્કૃત શીખવાથી મગજ વધુ કુશળ બને છે. આ એકમાત્ર એવી ભાષા છે કે જેને બોલવાથી જીભની બધી જ માંસપેશીઓનો ઉપયોગ થાય છે. જેનાથી શરીરમાં રક્તદાબ (બ્લડ પ્રેશર) જેવી બીમારી દૂર થાય છે. આના આધુનિક યુગમાં તે computer માં સોફ્ટવેર development માં સૌથી ઉત્તમ ભાષા છે. સંસ્કૃતમાં વિશ્વનો કલ્યાણ છે, શાંતિ છે, સહયોગ છે અને 'વસુધૈવ તુવમ્' ની ભાવના છે.

Shrungi Mahida  
11 B





### SANSKRIT DAY

" भाषासु मुख्या मधुरा दिव्या गीर्वाणभारती।  
तत्रापि काव्यं मधुरं तस्मादपि सुभाषितम्॥ "

Meaning of this Shlok is "Of all the languages, the God's own language - Sanskrit is the mother, divine and most lyrical language. In Sanskrit, poetry is more melodious wherein the good sayings hold prime position."

World Sanskrit Day, also known as Vishva-Sanskrita-Dinam is an annual event focused around the ancient Indian language of Sanskrit that incorporates lectures about the language and is aimed to promote its revival and maintenance. It is celebrated on Shraavana Poornima, that is the full moon day of the Shraavana month in the Hindu calendar. This generally corresponds with the month of August in the Gregorian calendar. The Sanskrit organisation Sanskrita bharati is involved in promoting the day.

One of the oldest languages, Sanskrit, was used to write Vedas and Hindu religious texts. Being the oldest language, Sanskrit holds a significant value in India's history. The Sanskrit language is a symbol of India's civilization and golden history. The Sanskrit language has the power of saying something more with the use of a minimum amount of words. Sanskrit has the highest vocabulary in any other language in the world. Sanskrit is an official language of the Indian State of Uttarakhand.

This classical language is called the basis of Indian culture, is one of the 22 national languages, Listed by our constitution. Sanskrit is the ancestor of many languages now spoken in India, like Hindi, Bengali and Gujarati. Most of our religious texts in which Veda purana and Gita were composed in the Sanskrit language. Sanskrit has been called the base language of Indian public life, has come to the limelight today, the number of people who know and understand it has remained a handful today.

Sanskrit literature broadly comprises all literature in the Sanskrit language. This includes texts composed in the earliest attested descendant of the Proto-Indo-Aryan language known as Vedic sanskrit, texts in Classical sanskrit as well as some mixed and non-

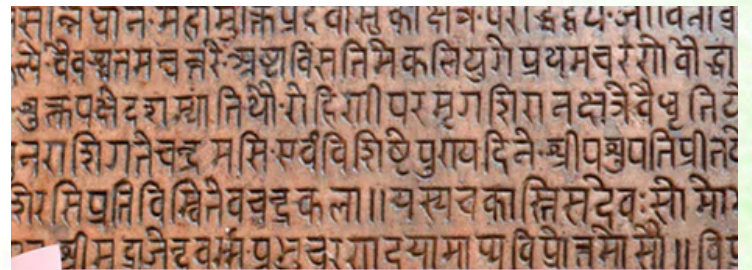
standard forms of Sanskrit. Literature in the older language begins with the composition of the Rig Veda between about 1500 and 1000 BCE, followed by other Vedic works right up to the time of the grammarian Maharshi Panini around 6th or 4th century BCE.

Sanskrit's geographical influence is seen in India, South Asia, South East Asia, Tibet, Korea and Japan.

Harish Vadhrodia  
11 A



**Sanskrit is the oldest,  
purest and most  
systematic language  
in the world.**



सर्वानां जनानां संस्कृतदिनस्य शुभाशयाः  
संस्कृत दिवस की शुभकामनाएं



### IMPORTANCE OF SANSKRIT LANGUAGE

Sanskrit is the most ancient language in the world. It is called the language of Gods. It is the precious treasure of wisdom. Many languages in North and South India are derived from Sanskrit and saturated with Sanskrit words.

Sanskrit has played an important role in the development of Indian culture and Indian languages and linguistic heritage. Sanskrit books were the first to describe many important scientific and mathematical concepts.

Sanskrit Literature and especially verses (shlokas) is an ocean having many pearls of knowledge, wisdom and preaching.

Sanskrit has made the Indian people one in spirit, heart and literature. By learning Sanskrit, a person develops better linguistic capabilities as it is perfect and most organized language.

Besides grammatical beauty, knowledge of Sanskrit can help students to learn other Indian languages. If we do not learn or know Sanskrit language, we are missing a lot, because our ancient precious heritage viz: Vedas, Upanishads, Ramayan, Mahabharat and precious literature written by Kalidas, Bharvi, Bhavbhuti, Shri Harsh, Magh, Bhas etc. and books on Ayurveda, yoga, Indian philosophy, Vedic mathematics or astrology are in Sanskrit language.

Heli Patel  
8 B



सरस्वती वंदना

या कुन्देन्दुतुषारहारधवला या शुभ्रवस्त्रावृता ।

या वीणावरदण्डमण्डितकरा या

श्वेतपदमासना ॥

या ब्रह्माच्युतशङ्करप्रभृतिभिर्देवैः सदा वन्दिता ।

सा माम पातु सरस्वती भगवती

निःशेषजाड्याऽपहा ॥





### Whats Your Vision?

St. Xavier's High School Gandhinagar, a school with a vision and mission to lead all students to excellence. As an alumnus, reflecting on my journey feels like a nostalgic trip down the memory lane. It holds a special place in my heart.

It's not just a school, it's a sanctuary of learning, a place where values and education blend seamlessly. It is a community of learners that fosters growth both academically and personally.



My journey here has left an indelible mark on my life. It has been the nurturing ground for my dreams. It shaped me into the person I am today. The constant encouragement received by the principal, our beloved Fr Hector, our vice principal Fr Noel, sisters, teachers, and the values imbibed by them have been the guiding stars in my life.

My overall development, be it academic, sports, or cultural, has always been supported and emphasised by the teachers. I, being a trained Bharatnatyam dancer, will always cherish the proud memory of performing the "Prayer Dance" on all the auspicious occasions, especially the Annual Day.



The personal guidance and strong sense of responsibility nurtured by the school help all the students to stand out in the crowd.

**"Xaverites shine bright"**

The ethos of service and compassion stays with the alumni long after they leave the hallowed halls of the school.

With such a strong pillar of development, I have been privileged to complete my MBBS from the prestigious MS University and recently completed my Masters in Ophthalmology from B.J. Medical College, M and J Institute of Ophthalmology.

In my three years of residency, I was able to provide my services during the COVID pandemic and the devastating mucormycosis (black fungus) break out. It has added a whole new perspective to life for me.

As an ophthalmologist and with the upcoming EYE DONATION FORTNIGHT from 25 August to 8 September, I would like to request all the readers "To Pledge To Donate Eyes". It could help millions of people to brighten up their dark life. Thank you.



In conclusion, I am utterly proud to carry forward the legacy of the school and would like to share a small message to all the students~

**Have some fire**

**Be unstoppable**

**Be a force of nature**

-Greys anatomy

**Dr. Sipra Engineer**  
(MBBS, MS Ophthalmology)



**YOUR FUTURE**  
*is created by what you do*  
**TODAY**



### CELEBRATION OF INDEPENDENCE DAY



**INDEPENDENCE DAY CELEBRATION**

**ST. XAVIER'S SCHOOL  
GANDHINAGAR**

Dear Staff, Students and Parents,  
Let us celebrate our Independence day in our school

**ON AUGUST-15, 2023 AT 8.00 AM**

**MR. PREMALSINH GOL**  
**DEPUTY MAYOR**  
**GANDHINAGAR MUNICIPAL CORPORATION**  
has consented to be the Chief Guest of the day.

**XAVIER PARIVAR**

India  
Independence Day  
15 Aug

“One earth One Nation” થીમ આધારીત આઝાદીનો 77 મો જન્મદિવસ ગાંધીનગરની નામાંકીત શાળા સેન્ટ. ઝેવીયર્સ માં ખુબ ઉત્સાહથી મનાવવામાં આવ્યો હતો. આ આઝાદીના પર્વ પર ગાંધીનગર મ્યુન્સિપલ કોર્પોરેશન ડેપ્યુટી મેયર, શ્રી પ્રેમલસિંહ ગોલ મુખ્ય મહેમાન રહ્યા હતા. આ સમગ્ર પ્રોગ્રામનું સંચાલન ધોરણ 12-Bનો વિદ્યાર્થી Harit અને 12-A ની વિદ્યાર્થીની Harshati દ્વારા કરવામાં આવ્યું હતું ત્યાર બાદ મુખ્ય મહેમાન શ્રી દ્વારા ધ્વજારોહણ કરવામાં આવ્યું હતું. ધ્વજારોહણ બાદ વિવિધ ધોરણ ના વિદ્યાર્થીઓ દ્વારા ફેન્સી ડ્રેસ શો અને દેશભક્તિ ગીતો પ્રસ્તુત કરવામાં આવ્યા હતા. પ્રોગ્રામના અંતે મુખ્ય મહેમાન દ્વારા પ્રસંગને અનુરૂપ પોતાનું વક્તવ્ય રજૂ કરવામાં આવ્યું હતું. ધોરણ 12-Aની વિદ્યાર્થીની Prisha દ્વારા સૌનો આભાર માનીને પ્રોગ્રામનો અંત કરવામાં આવ્યો હતો. Father Arul, cultural committee તેમજ અન્ય શિક્ષકોએ પણ આ પ્રોગ્રામ સફળ બનાવવા માટે ખુબ મદદરૂપ થયા હતા.

Harit Kuchara  
12 - B



ST. XAVIER'S SCHOOL had the celebration of 77th Independence day. The Independence day celebration was honoured by the esteemed presence of Deputy Mayor Mr. Premalsinh Gol, who was cordially recieved by Kiran sir. The program started with the Flag hoisting ceremony. Soon after that, students of different classes performed various patriotic songs. The atmosphere was full of patriotism. The Chief Guest concluded this program by delivering a small but motivating speech before he left for another program due to his busy schedule. This independence day was celebrated as green independence day when respected fathers' were gifted green plants in beautiful pots by the students. The program was concluded by the speech of respected Fr. Arul which was highly motivating. This program was successfully handled by students of 12th A & B and special thanks was given to Kanu sir, to encourage students to participate in various events. Also thanks to the cultural-commiitee for their support.

Devhuti Vyas  
12-A





### India is on the Moon!

With the successful landing of the Lander Module of ISRO's third lunar mission Chandrayaan-3, India has reached the Moon! It has also become the first country to land near the Moon's south pole.

The Lander Module of the Indian Space Research Organisation's third lunar mission Chandrayaan-3, launched on July 14, made a successfully landing on the Moon's surface on August 23, making India only the fourth country after the erstwhile USSR, the U.S. and China to make a soft landing on the lunar surface. Congratulating the team of scientists at ISRO, PM Modi said, "India's successful moon mission is not India's alone...Our approach of one earth, one family one future is resonating across the Globe...Moon mission is based on the same human centric approach. So, this success belongs to all of humanity.

Precisely at 6.03 p.m. the lander touched the lunar surface and there was euphoric celebrations at the Mission Operations Complex at ISRO Telemetry, Tracking, and Command Network, Bengaluru. Following this, the Lander successfully deployed the Rover which will carry out in-situ chemical analysis of the lunar surface during the course of its mobility. The Lander and the Rover with a mission life of one Lunar day (14 Earth days) have scientific payloads to carry out experiments on the lunar surface.


Bhavishy Shah  
11- B



## Chandrayaan-3

### Facts and Figures

Chandrayaan-3, which means "moon vehicle" in Sanskrit, consists of a Lander module (LM), Propulsion module (PM) and a rover. The follow-on mission to Chandrayaan-2 will demonstrate end-to-end capability in safe landing and roving on the lunar surface.



- **Launch Date**  
July 14
- **Landing Site**  
**Moon**  
South Polar Region
- **Mission Life**  
1 lunar daylight period  
or roughly 14 earth  
days
- **Mission Components**
  - Propulsion Module
  - Lander
  - Rover
- **Launch Vehicle**  
GSLV-Mk III
- **Mass**  
3900 Kg



**The photo of Vikram lander  
taken by Pragyan rover.**



### PATRIOTIC SONG COMPETITION

To foster a sense of belongingness towards our motherland, an inter-class 'patriotic song competition' was organised at St.xavier's School Gandhinagar on 12th August 2023 to commemorate the 77th independence day. A patriotic solo singing competition for class 1st to 4th and for class 5th to 8 a group singing competition was held. Overall the patriotic singing competition was a great success with many talented students showing off their skills. each class prepared a patriotic song under the guidance of their class teacher. The students sang the song with lot of passion, confidence and patriotic feelings. Each group showed their mastery over voice modulation, pitch and tone. the program was judged by Miss Mona teacher and Mr Dinesh sir for class 1st to 4th, similarly class 5th to 8th competition was judged by Mr Anand sir and Miss Suman teacher. They were impressed with the confidence and the tonal quality of the song. The aim of this competition was to encourage the passion for singing among the students and provide a place to showcase their talent. The event received an overwhelming response. Our school feels proud and promises to continue to come up with such innovative events in the future. Thanks.

Ms. Siddiqua Sheikh  
Primary Teacher



## applause!





### Dynamic Duo from St. Xavier's Shines in Gujarat District Football Championship

The exhilarating journey of St. Xavier's exceptional football talents, Rudra Patel and Rudra Rajput, in the ongoing Gujarat district level football championship, continues to captivate enthusiasts. With an unyielding spirit and remarkable collaboration, these twostar athletes have etched their names deeper into their school's legacy.

Representing their respective classes, with Rudra Patel from 9B and Rudra Rajput from 10A, the duo's recent matches at the YCC Ground, Racecourse, Rajkot, showcased an exceptional display of skill and dedication that has become their trademark.

In their earlier encounters against Surendranagar and Navsari, Rudra Patel and Rudra Rajput demonstrated their exceptional prowess. Rudra Patel's performance was truly standout, boasting a hat-trick and four assists against Surendranagar, and an influential assist against Navsari. Not to be outdone, Rudra Rajput showcased his mettle with three goals and three assists against Surendranagar, and an additional assist against Navsari.

Their journey in the championship progressed as they squared off against Banaskantha in the knockout rounds. Rudra Patel's indomitable spirit was evident once more, as he secured a hat-trick and contributed an assist, solidifying his position as a crucial asset to the team. Rudra Rajput, equally impactful, contributed with two key assists, adding to the team's success.

The victory against Banaskantha propelled St. Xavier's dynamic duo further into the championship's spotlight. With each match they conquer, Rudra Patel and Rudra Rajput reinforce the belief that dedication and teamwork are the cornerstones of success. Their outstanding performance not only delights their peers but also sets a shining example for aspiring athletes throughout the school.

As the championship's excitement continues to build, the anticipation for Rudra Patel and Rudra Rajput's next endeavor only grows. Their journey embodies the essence of sportsmanship and determination, reminding us all that through perseverance and collaboration, the pinnacle of achievement can always be reached.

Rudra Patel - 9 B

Rudra Rajput - 10 B



*Congratulations*

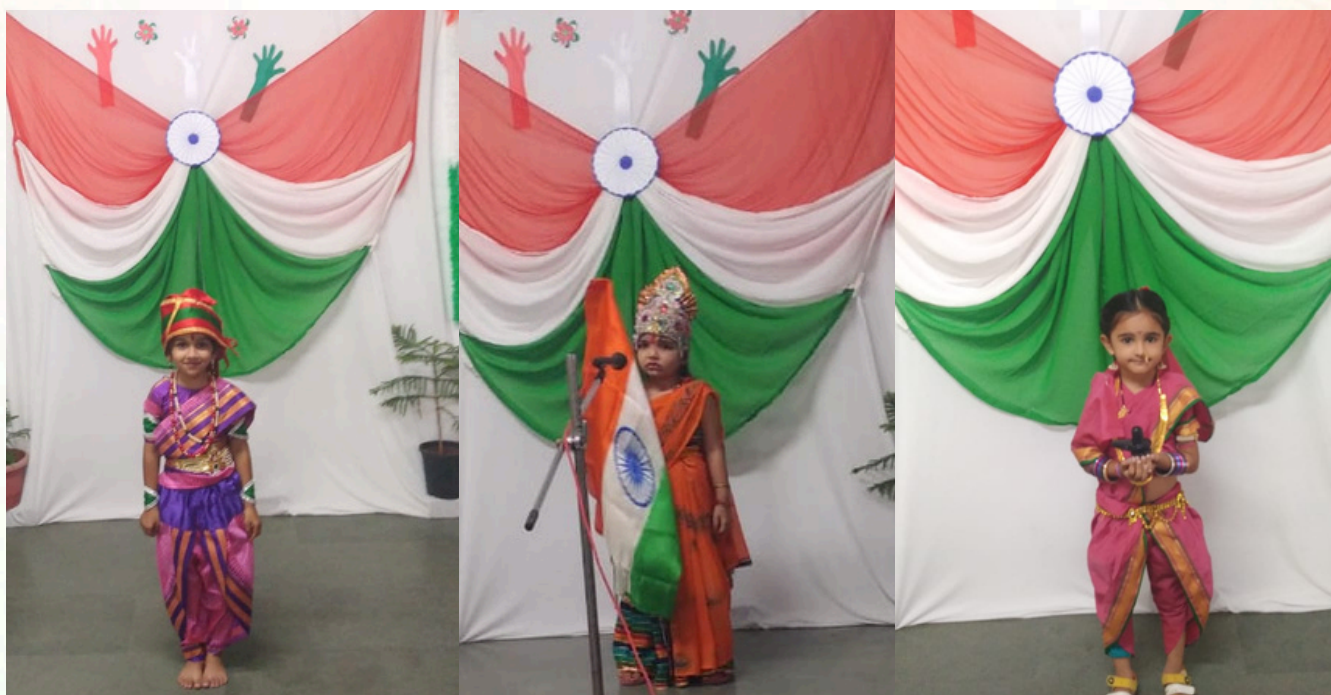


### PATRIOTIC SONG & FANCY DRESS COMPETITION

Our pre-primary section celebrated 77th Independence Day with all passion and zeal. On 10th August there was fancy dress competition for the tiny tots of Junior KG students who were dressed up beautifully in costumes of our great freedom fighters like Netaji Subhash Chandra Bose, Rani Laxmi bai, Bhagat Singh, Gandhiji and others. The little ones also spoke few lines about their freedom fighter. On 11th August Senior KG students participated in the patriotic song competition. They sang the songs with lots of enthusiasm.

We were glad to have Teacher Suman and Teacher Pallavi as our esteemed judges for the competition. Competition proved to be great learning experience for the students and gave them platform to explore their hidden talents.

Ms. Shailu Patel  
Pre-Primary Teacher







### **PATRIOTIC SONG COMPETITION WINNERS TEAM**



**1st - 12 A**



**2nd - 9 B**



**3rd - 10 D**



### Mr. Kanu B Thakkar (MSc. B.Ed. Maths)



#### Experience:

- Asia English School (July 2002 to Nov. 2013)
- St. Xavier's School Gandhinagar (Since November 2013 onwards).

#### Schooling details:

- Completed my 12th grade in Ahmedabad.

#### Degrees:

- BSc. from St. Xavier's College, Ahmedabad.
- MSc. from School of Science, Gujarat University.
- BEd. from R.B. Sagar College, Ahmedabad.

I believe that learning has no limits, and I continually refer to new books and utilize computers for digital technology.

Teaching is my passion. As a teacher, my approach is centered on ensuring that students recognize the immense value of every class, understanding that even missing a single session would result in a significant loss. I believe that offering something distinctive is what captures students' attention. When students realize that I can provide them new concepts and new tricky questions, their focus naturally increases.

I have a lovely son named Dhruv, who is studying Computer Engineering at DDIT College, Nadiad. My successes have been greatly influenced by my wife Dipal, and I am thankful to God for blessing me with her in my life. I express heartfelt gratitude to Father Hector for believing in my talent and giving me an opportunity to work at one of Gandhinagar's finest institutes. I extend my thanks to all the fathers under whom I've had the privilege to work.



I would like to specifically thank Father Arul for giving me the chance to express my appreciation through this article.

As a teacher, I believe that our learning journey should never stop, as we need to update ourselves regularly to stay relevant.

A.M.D.G.



I actively participate in various sports and help in organizing events such as canteen day, Quest, eco clubs, science fairs, cultural programs, feast day celebrations, Rangoli competitions, singing competitions on August 15th, and I take the initiative to organize picnics for both teachers and students. I joyfully celebrate all festivals and embrace their spirit.





### Ms. Nisha Bhatt (B.Sc., D.El.Ed.)



Teaching is a very noble profession and I am honoured to pursue it as a career. I strongly believe teaching is the primary means through which knowledge and skills are passed to students and it empowers them to go on a righteous path. I have been teaching in the pre-primary section for the past 17 years and have a genuine passion for working with young children as it's a commitment to their growth and development. It's a rewarding role that lays the foundation for a lifetime of learning. I believe that education is a must for all which helps us to become a better person in life and should be without burden so I try to adapt different teaching methods to accommodate different learning styles, paces, and abilities.



My aim is to teach the students in a play way method which makes it easy and interesting for them. The students have great grasping power and are very observant so, apart from the book's syllabus, I impart extra knowledge, teach them moral values and make students participate more in practical activities. One of my beliefs is that there should be balance between quantity and quality learning so it aspires me to develop ideas and strategies to implement new skills in the classroom.



Noticing that after pandemic, the students have become addicted to digital media which may have negative outcomes, so I want the students to actively participate in different activities to have beneficial effects in their life. I personally believe that letting children learn from their mistakes helps build resilience and is essential to raising a confident, capable, happy child. Education is not the filling of a pail, but the lighting of a fire. They may forget what you said but they will not forget how you made them feel. So as a teacher, it is my responsibility to treat each and every child equally. As Teachers, we should always remember that we are their role models, so our actions, reactions are minutely noticed by them.



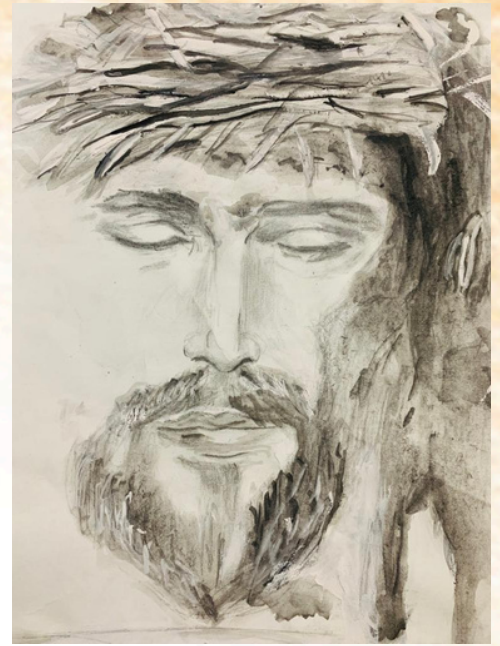




Harish Vadhrodia



Shifa Christy



## Creativity takes Courage -Henri Matisse



## Fancy Dress





### Independence Day



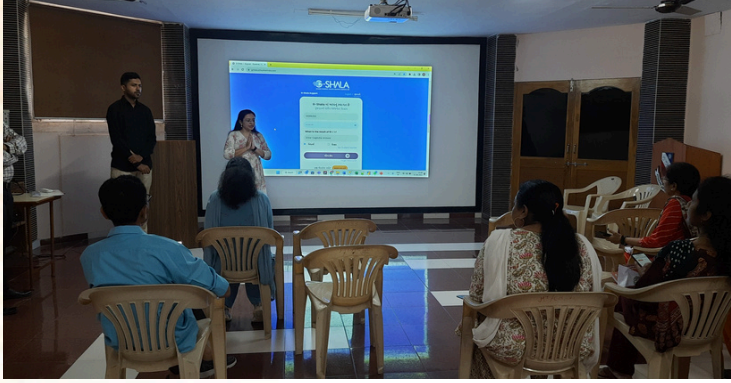






### G-Shala Training Program

G-Shala is a platform-agnostic and device-independent App which provides digital interactive 2D/3D augmented e-Content mapped with textbooks for all the subjects, including Science & General streams in Std. 11-12.



### PLASTIC MUKT GANDHINAGAR









### EYES DON'T SEE THE TRUTH ALWAYS

Once upon a time, there was a mouse who wanted to see the outside world as he had never seen anything apart from his house. "Today I shall go out and see the world outside!" So, he decided to explore the world outside. He set out from his house and kept walking on and on. He saw many things which he had never seen before. After a while, he reached a farm which had many different animals. "Wow! There are so many different animals here." Apart from the other animals, two animals got his attention. One was the scary looking terrible animal which had colourful feathers and a big beak. "If he sees me, he will surely eat me up!" the mouse thought and quickly hid behind the bush. From there, he saw the other animal. He saw that it was beautiful and fluffy with soft hair. "This animal looks friendly! I should go and talk to him" the mouse said to himself. Just as he was about to move towards it, someone called both the animals from the farm and the animals went away. The mouse also returned. After reaching home, he told his tales of adventure to his friends and family about the two interesting animals he had seen. "Today I saw very interesting animals on the farm. One of them was really scary and the other one looked very friendly to me," the mouse said. "The animal you thought was scary was a rooster and would have never harmed you and on the other hand, the one you wanted to talk to was a cat and he would have eaten you up in a minute." That day, the young mouse realised that he was lucky to be alive after what he was about to do.

Reflection by Dr Anjana

Reflect in life how often have we judged people purely on the basis of looks & then regretted it. The greatest deception men suffer is from their own opinions Remember it's not what you look at that matters, it's what you see because one who deceives will always find those who allow themselves to be deceived. Judgments prevent us from seeing the good that lies beyond appearances be careful. The devil doesn't come to you with his red face & horns; he comes to you disguised as everything you've ever wanted. Sometimes it's not the people who change it's only their masks that fall off. Be careful who u trust, salt and sugar look the same. The Irony of life is in all aspects of life, we take on a part & an appearance to seem to be what we wish to be & thus the world is merely composed of actors. There could be a rich heart under a poor coat so don't do the mistake of judging anyone. Let's go ahead in life & not look for a pretty face as, it will turn old one day, don't look for a soft flawless skin, as it will wrinkle one day, let's look for a loyal & a humble heart & soul that will care no matter how the surroundings are.

**The truth isn't just what  
you see with your eyes.  
Not just what you see...**