

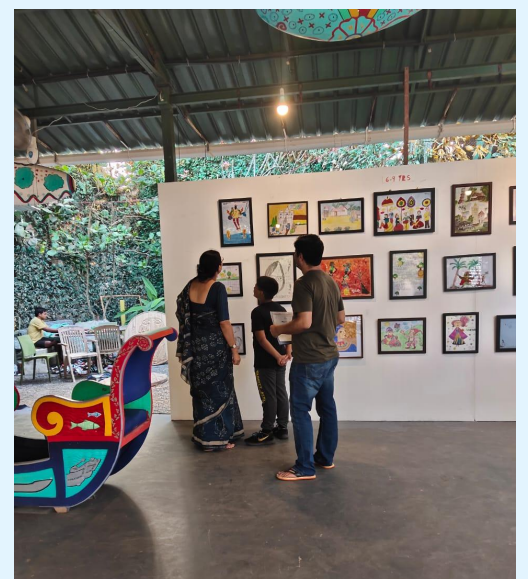


# NCS GOA TIMES WEEKLY

School News

Events and Achievements

## WHAT'S BUZZING AT NCS GOA THIS WEEK?



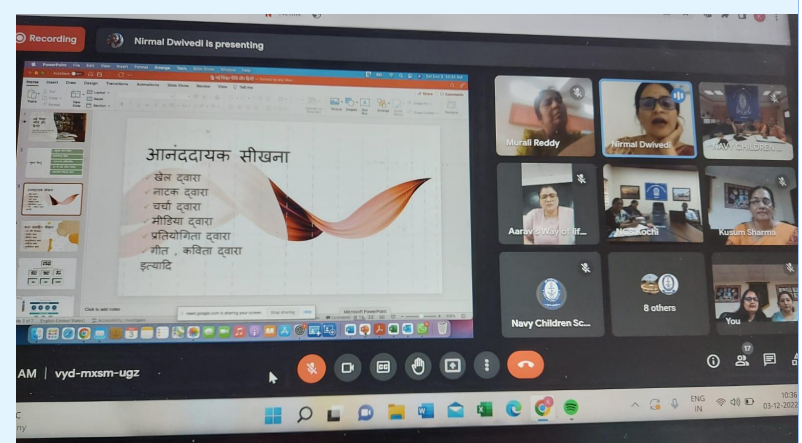
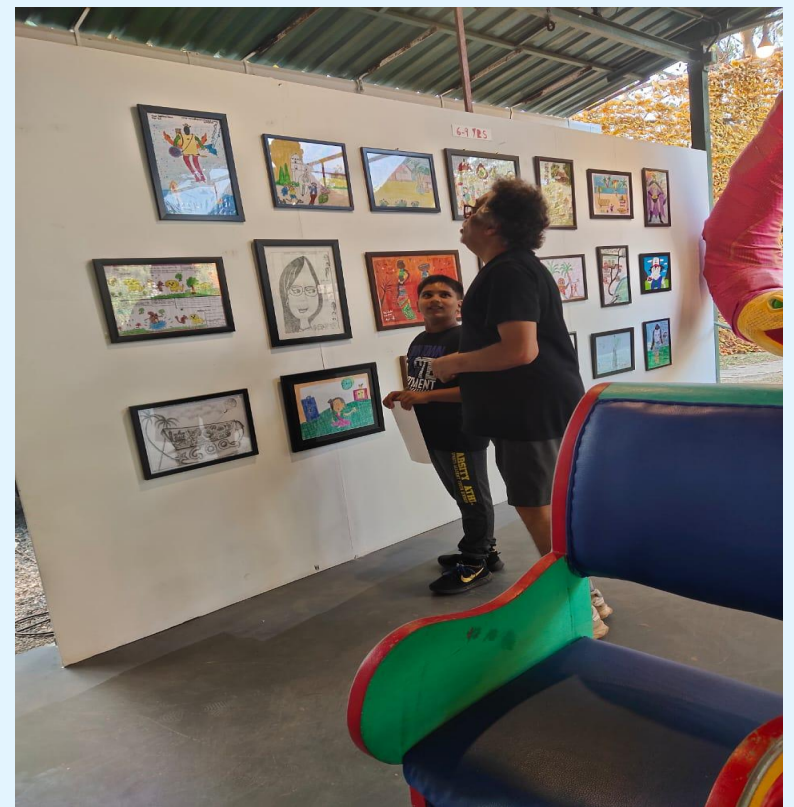
Dear Students and Parents of NCS Goa,

Here's what is buzzing at NCS, Goa this week.

1st January to 7th January 2023

Events and Happenings

Art plays an important role in the holistic development of children. Every child is an artist. The children's art studio at Museum of Goa picked up the best 100 artworks and put them up on display at their prestigious gallery, "A world of my own" Art exhibition at Museum Of Goa, Pilerne (MOG). FDP 26/ TGT/ Hindi was attended by three TGT Hindi teachers from NCS, Goa.. FDP PGT/ TGT Economics was organized by NCS Vizag and attended by three teachers from NCS, Goa. A Leadership workshop was conducted at school for Primary and Secondary Council Members by Leadership Studio, resource person, Alan De Souza. Council members gained valuable insights into good leadership qualities.





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## MY EXPRESSIONS FROM STUDENTS OF NCS, GOA



Jiya  
X B



Varsha Gupta  
X B



Mayank Yadav  
X B



Jiya  
X B

### AMAZING FACTS Kanishka Chauhan

VII A

Blue whale tongues can weigh as much as an elephant.



There is a reason why passports come in 4 colours. (most countries prefer dark shades of red, green and blue since these colours look more official.)

Queen Elizabeth II's cows sleep on waterbeds



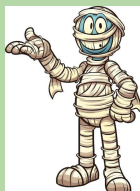
Shadows are darker on moon

The last alphabet was actually "J"



Before toilet paper was invented, Americans used corn cobs.

In ancient Egypt, mummies' brains were removed through their noses.



Almonds are not nuts...they are seeds, which belongs to the peach family

The world's smallest wasp is smaller than an Amoeba



### TOPIC : THE LETTER 'J'

Aedan Viegas  
VA

#### EVERYTHING ABOUT THE LETTER 'J'

If your name starts with J, you have a jubilant personality. Just like January, you are the first, but you also bring out the sun like June and July. In cards you are the joker, the most valuable card in the pack. For friends and family you are jovial and you are always there for them with your jumbo heart. You work hard, but still have lots of joie de verve. You are a jewel.

#### THE ORIGIN OF THE LETTER J



The letter J is the tenth letter of our western alphabet and is of Latin origin. Originally, the letter J was only used as a capital. That is why some people in Germany and Italy still spell their name as Jsabel, Jnes etc, instead of Isabel or Ines. In the Dutch language this letter is also used together with the letter I to form the so-called "long ij".

#### YOUR FUTURE

You have a high emotional quotient, which helps you to feel people perfectly. This beautiful gift will help you for the rest of your life. You will continue to be successful.





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### MY SQUASH JOURNEY...

Mandovi Ghosh  
VA

Hi! My name is Mandovi Ghosh and I am from Goa. This article is about my squash journey. So if you don't know what squash is, well, it is a game where we use a racket and a black ball with two yellow dots. We play it inside an enclosed court. So let's begin...



I started squash when I was six years old, which is in 2018. My coach is Rehman Sir. He has helped me so much; I really appreciate his hard work. I used to go to squash classes until 2020, and I used to play really well. But after 2020, it was Corona lockdown. So I couldn't play for like two years. And when I joined thereafter, I couldn't even hit a shot and then started to give up. I also started missing squash classes, and my brother Arihant started to get better and better at squash. But, after a few months, on October 2022, Rehman sir added me to the Advanced batch for the upcoming squash tournament. I was shocked, but at the very same time I was proud that he added me to the advanced batch. So I thought of giving up the plan of 'giving up squash'. Since I was in the advanced batch, we had classes everyday at 4 to 5 pm and on Saturdays and Sundays even in the morning! But I had no problem with that. So I came every day early to squash to practice alone and after that, the class would start. After a lot of practice, the tournament was held from 21 to 23 November. I won the first tournament because I played against a small girl. But the second one, I was nervous because it was Samaaya a girl from 6th class. She was my opponent, she played her best, but so did I. The first game I won. The second and third she won. Now the last game, I cried from inside and thought that I may lose... But some parts of my body still didn't give up. So I didn't care and kept on hitting and hitting and didn't care what my score was. Until finally when I went to get the ball I saw Samaaya crying and then it was told the game was over and I won. I was sad to see Samaaya cry but I was happy for myself. The final match was with Asrit, and this time I didn't cry because she's a national level player and I'm just a normal state-level player. So she won. I won only one set. But I was really happy for myself because this was my first tournament, and I got a trophy because first and second positions get trophies. Since I was second, Asrit and me both got trophies.



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### IMPACT OF TOURISM ON GOA'S ENVIRONMENT

Varsha Gupta  
X B

#### I. Introduction

1. Goa is one of the most favorite destinations among Indian tourists due to its pristine beaches and places of worship. Dotted with hundreds of impressive beaches in Goa, the incredible coastline of more than 100 km offers beautiful views.

1. The Western Ghats running through the region makes it lush for wildlife and flora too.
2. Tourism is its primary industry, and is generally focused on the coastal areas of Goa.

#### II. Objectives of the research:

- Tourism has serious effects on the environment of Goa.
- To examine the impact of Tourism on the Coastal Environment.

#### Impact of Tourism on Goa's environment:

For the vigorous growth of tourism, the physical landscape, historical and cultural heritage are of immense significance. In the current era, 'beach tourism' has magnetized a massive amount of tourists both in India and the world.

The coastal areas are the most admired tourist destinations on the globe, and in most of the coastal areas, tourism has become the spine of the economy. Coastal tourism brings both constructive and undesirable changes to coastal areas and their economies.

#### Coastal Belt

The Coastal Region of Goa is just 105 km long with a non-uniform shape and width. This is a slim strip of land intimately related to beaches, sand dunes, estuaries, river catchments, lonely hills, mangroves, swampland, flood plains, islands, etc.

Along the Goa coast, sandy beaches cover about 73.30 sq. km of the total geographical area. Colva Beach is the longest beach, which is that is about 25 km and the world-famous Calangute Beach is just 7 km long. The coast changes its outline according to seasonal changes. This region is marked by two big estuaries, i.e., the estuaries of Mandovi and Zuari. Mangrove vegetation is a widespread sight in this region especially beside estuaries and tidal influence of rivers.

#### Tourism in Goa

- The state of Goa has a unique environment due to which it has created a special place on the tourist map of the world. The growth, expansion and development of tourism largely depend on physical, cultural, social, and economic factors.
- Beaches, forests, scenic beauty, lakes, wildlife sanctuaries, waterfalls, botanical gardens, hills, valleys, mountains, and other physical features have always fascinated man since ancient times.
- Infrastructural facilities like hotels, means and modes of transport and communication, and other services are the key economic factors.
- Historical buildings, places of worship, entertainment and recreational facilities and other artificial and man-made objects are the prime cultural factors.
- Fortunately, the territory of Goa is freely gifted by nature with five rich wildlife sanctuaries like Bhagwan Wildlife Sanctuary, Dr. Salim Ali Bird Sanctuary, etc.
- Goa also has a large number of temples with a long history, like Shree Mangueshi, Shree Shanta Durga, Shree Tambadi Surla, and many others. Churches like Mae de Desu Church, St Xavier Church, and a couple of mosques like Safa Masjid, etc.



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### IMPACT

#### Physical Changes and Habitat Damage

- Though beach shacks are temporary structures, it has been observed that many of these shacks exploit water from bore wells which are banned as per the Coastal Regulation Zone Act. Such activities may lead to the intrusion of saline water into the freshwater.
- Similarly, to keep the surroundings clean and green and to attract tourists, many shack owners have put lawns on beaches.
- To keep the turf not to turn brown, a lot of water is sprinkled. Similarly, fertilizers, pesticides, herbicides and toxic chemicals are used excessively, which results in contaminated fish, water and fertilizers making their way to coastal ecosystems

#### Destruction of Sand Dunes

- Sand dunes in any coastal ecosystems signify a state of equilibrium between physical forces which threaten to the coast and the resistance from the land.
- Sand dunes are nothing but a heap of sand on the beach covered by coastal vegetation. Sand dunes protect as a barrier between sea waves on one hand and the hinterland on the other hand.
- Such an important ecosystem is subjected to large-scale destruction due to the construction of Starred hotels, resorts, shacks and coco-huts. During tourist season, mining of sand from dunes, and misuse by tourist and locals, the sand dunes in Goa are on the verge of destruction and disappearance.

#### Extraction of Sand from Beaches

- The sand extraction, sand mining and sand dune dressing are the major threats to the coastal ecosystem in Goa.
- Such an action by man can trigger the erosion of beaches and coastal areas

#### Pressure on Local Resources

- Land and water are two important resources that are subjected to tremendous pressure due to tourism because these resources are fixed.

### CONCLUSION

The negative impact of tourism cannot be prevented completely, but it can be minimized. Goa is a small state but ecologically and culturally it is very wealthy.

Goa has five wildlife sanctuaries and a large number of temples, churches and other historical monuments. Hence more emphasis should be given on promotion of eco-tourism and cultural/religious tourism.



Photo by :Varsha (Bogmalo beach)



Photo by : Varsha (Mangroves of Goa)



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### RAPIDLY ADVANCING TECHNOLOGY OF DRONES AND UAVs-A BANE OR BOON

Sharanya Mishra

X B

The first time I got to know about drones was from a YouTuber flying beast. I was totally amazed with the cinematic shots that he took and was curious to know how he was taking those shots above the sea, through the leaves and into the sky. And then I got to know that it was a drone. These drones are also called "flying robots." These drones have Global Positioning System (GPS), live-feed video camera, heat sensors, etc. Drones can make videos and take pictures in daylight or at night. Drones and Unmanned Aerial Vehicles (UAVs) are the same thing and their uses can be interchanged. Unmanned Aerial Vehicles or UAVs are used by the military and they even use drones to provide the troop with a 24 hour eye in the sky and as well as helps them to research and gather visual information. The Garud drone, which was shown in the movie Uri- the surgical strike is one example that shows how the military makes use of drones and UAVs. It was called a garud drone because it was shaped like an eagle and also it played a chief role in the surgical strike. The Indian Navy has leased two sea guardian drones called MQ-9B from the US. Israel was the first country to develop military drones. Drones are even utilized by the media and film industries for filming chase scenes.

The rapidly advancing technology of drones and UAVs is making the automation of the country develop more. Drones are even used for agricultural purposes. They are used to check the health of the soil, the crop, checking the weather and even to check the weeds. DJI Agras MG-1 is a crop sprayer used to spray pesticides and fertilizers over the crop. This is very useful for farmers because, as we know, pesticides are not good for the health of farmers and cause health issues, so this is a luxury for them. Some names of the agricultural drones are Drone4Agro V3, Agras T16, ebee SQ etc.

Drones are an asset for meteorologists, as they can now predict the weather conditions for the coming days or weeks using storm drones. These drones and UAVs have proven their usefulness during times of natural disasters too. They are used to estimate the damages that are caused after the disaster, to find the victims and to give aid. In California, small drones are used to deliver small packages which reduces greenhouse gas emissions. This means that drones do not cause any environmental issues. I remember I had read an article which said after some years the air is going to be so polluted that the online websites would deliver oxygen masks using drones. Drones are even useful for builders too, as they can now collect data about the project to know what is happening on the site and even to track its advancement. For farmers, builders, meteorologists and the Armed Forces these drones and UAVs are a boon.

But as usual, everything has some pros and cons. The advantages of drones and UAVs is that it can fly for 16 or more hours which is quite impressive, fixed wing can fly at a high altitude, ability to carry more weight etc. The disadvantages are that fixed wings are expensive, a proper training is required to fly them and in case of safety, they can frighten birds and even people. Another reason for which drones and UAVs are at a disadvantage is that it can invade a group or individual's privacy. There are even some legal limitations like we can't fly them in certain areas. Though there are some drawbacks to the use of these machines, one of the biggest advantages is that with the evolution of technology, these complications can be amended. So with this we can draw an inference that the speedy advancement of drones and UAVs is a boon because though there are some downsides to their usage but with the development of technology, they can be corrected. And in my opinion, why I feel that drones are a boon is that these Unmanned Aerial vehicles can do many of the things that an aircraft can do without a pilot inside. This means that there is no risk to human life when we use UAVs. That's why U in UAV stands for Unmanned or without a human inside. They can be small or big and also can be shaped differently.

Each and every day, India is developing and I am quite sure that drones and UAVs are one of the main reasons for the country's growth. We as children should also make people aware of this useful device and be a part of the country's evolution. We should make sure if we are using it for our fun then we should not disturb people and birds. We all are blessed with these two astonishing machines and we all should make sure that we use them correctly and follow the rules so that they can be ours incessantly.