

**GOVERNMENT COLLEGE OF ARTS, SCIENCE AND COMMERCE, SANQUELIM
AQAR 2022-23**

Our students get the chance to experience lessons and concepts in a very hands-on manner. An essential part of the teaching-learning process here is experiential learning. Students are taken on tours, for field trips, they conduct field work and are engaged in learning in an active manner.

Here are some details of the many field trips, field work and study tours that are organized by departments to enhance experiential and participative learning.

FIELD TRIP TO DR SALIM ALI BIRD SANCTUARY

As a part of syllabus a study field trip was conducted by Botany department for GE (Coastal and mangrove ecology) students on 19th February 2023 at Dr. Salim Ali Bird Sanctuary, Chorao Island, Ribandar, Panjim-Goa from 9.00am to 02:30pm. The trip was organized by Ms. Shaila T. Shetkar, Assistant Professor in Department of Botany, Government College of Arts, Science and Commerce, Sanquelim-Goa.

Under the guidance of Dr. Nisha Kevat, Departmental Incharge; a letter was drafted seeking permission from the Principal Dr. Gervasio Mendes. The field trip was attended by total 17 students. The main objective of the field trip was to show students the diversity of flora and fauna found in mangrove forests and also the different types of Mangrove species, roots system and adaptation shown by mangroves. Students also observed and learned about the unique type of reproduction and germination found in mangrove called Vivipary. Students also visited mangrove plant nursery where they saw many plant seedlings. An explanation was given by Ms. Shaila T. Shetkar on Mangroves Diversity, Mangrove species identification, Reproduction, Ecosystem and its importance. Students gained a lot of knowledge, experienced new things about Mangrove Taxonomy, Morphological features adapting the environment, Reproduction, Ecological importance, Ecosystem and its Biodiversity.

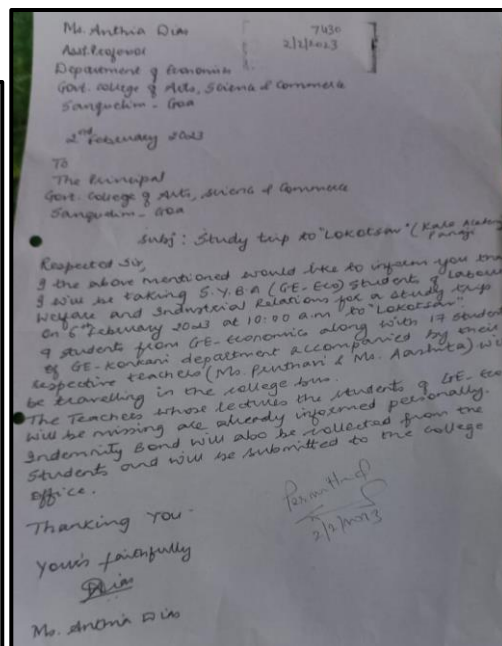
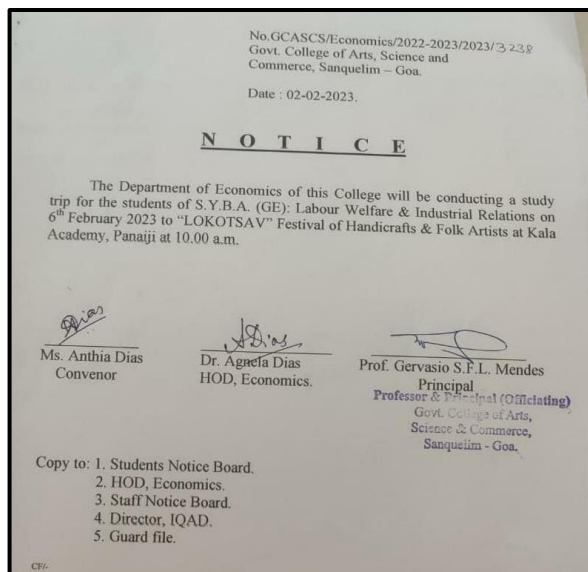




LOKOTSAV : FESTIVAL OF HANDICRAFTS AND FOLK ARTISTS

A field trip was conducted for the students of SYBA (GE) Economics- Labour Welfare and Industrial Relations – II on 6th February 2023 at 10.00 am to 'LOKOTSAV: Festival of Handicrafts and Folk artists' at Kala Academy, Panaji. A total of 10 students were a part of this field trip. The students were informed to focus on the various artisans who had come from different parts of India and the industry they depicted through their handmade goods.

The students also interacted with the different sellers to know about their experiences in the industrial work they performed as well as the methods used. It was an exposure for the students to have a glimpse of all the artists and the industrial workers in one frame.



FIELD VISIT TO BONDLA WILDLIFE SANCTUARY, PONDA

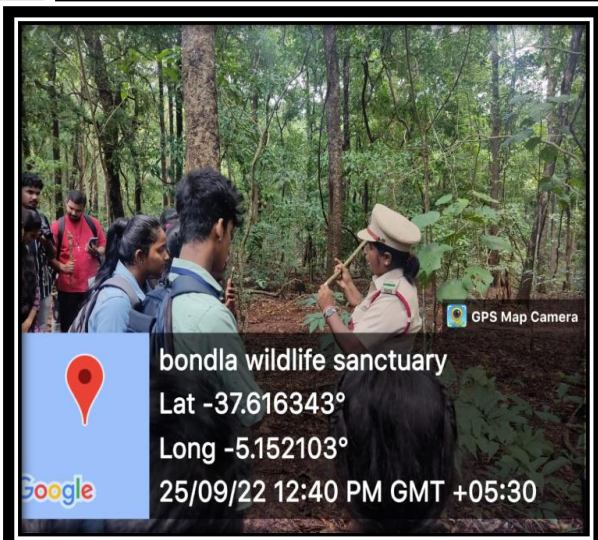
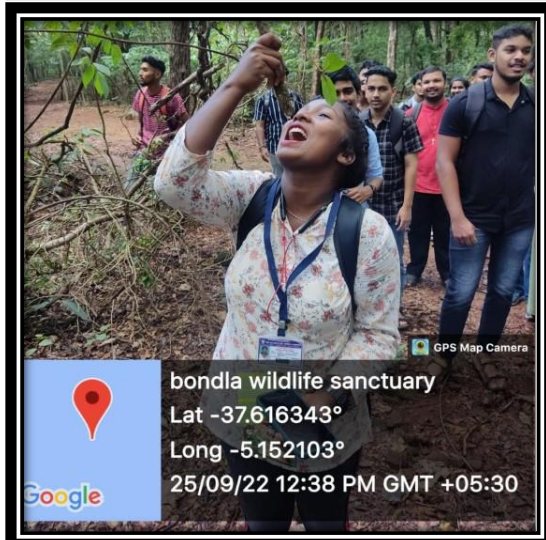
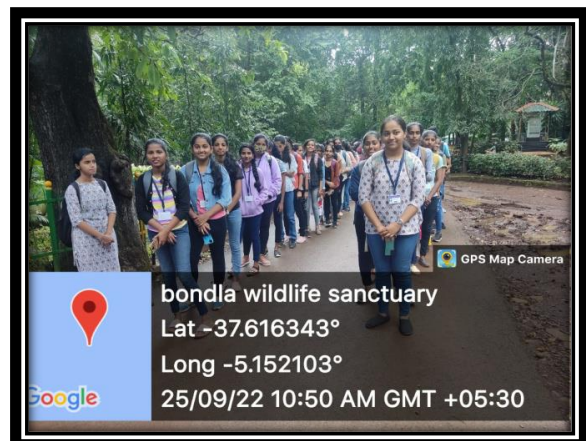
The Department of Geography organised a Field Visit to Bondla Wildlife Sanctuary, Ponda, Goa, on 25th September 2022 for the students of Class F.Y.B.A., Division A and B, as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS.

The field trip was divided into two parts:

1. Visit to Bondla Zoo
2. Nature Trail in Forest

the students were taken for nature trail. At the start of the trail, there was crocodile point, which was a attraction for tourist which comes to s observe the crocodiles in its habitat.

At 12.00 P.M., the nature trail began. The students were divided into two groups which were guided by the forest department staff. It was a 2 KM trail, passing through the moist deciduous and semi evergreen patches of forest with cane plants near the water bodies. There were many soil conservation measures taken like Stone bunds, gully plugs etc. The forest guards gave information about various medicinal plants in the forest like Chondado which is used to heal wounds, Uski & Matti from which water is available in summer season, Asale which is used to treat digestive system problems etc.



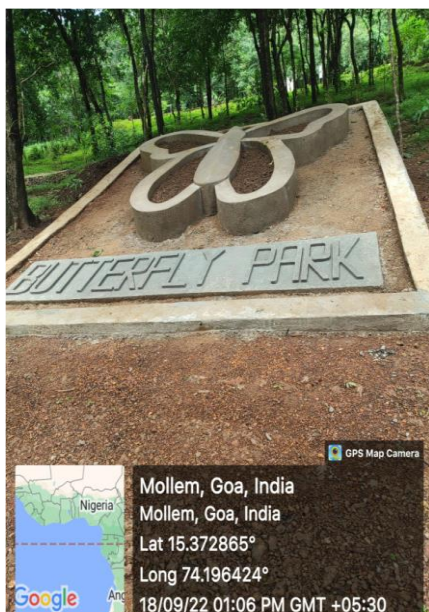
FIELD VISIT TO BIODIVERSITY PARK

The Department of Geography organised a Field Visit to “Biodiversity Park, Mollem, Goa, on 18th September 2022 for the students of Class F.Y.B.Com., Division A and B, as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS. A total of 113 students participated.

Event Objectives / Expected Outcomes:

- ☑ To create awareness about different types of ecosystems
- ☑ To develop the positive attitude towards conservation of Environment.
- ☑ To explore the forest ecosystem and the biodiversity it supports

Biodiversity Park is situated in the buffer zone of Bhagwan Mahavir Wildlife Sanctuary, Mollem, and Goa. The park is spread over 37 Ha. area and contains Nature Trail, Orchidarium, Herbal Garden, Zamba Land, Butterfly Park, Spice Garden, Rashi Van etc.



FIELD VISIT TO SATPAL ARBORETUM AND TAMBDI SURLA TEMPLE

The Department of Geography organised a Field Visit to “Satpal Arboretum and Tambdi Surla Temple, Goa, on 13th November 2022 for the students of Class F.Y.B.Sc., as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS. Arboretum is a place which has a collection of woody trees and is an ex-situ conservation of biodiversity.

Satpal arboretum was established in Satpal, village near Mollem in the year 1974 over an area of 24.50 hectares. This arboretum has over 80 plots in which various tree species have been planted. No of students that attended the trip were 54. At first the students were taken for nature trail of 1 KM. During the nature trail the forest ecosystem was observed by students. The biotic structure of forest along with its characteristic features was observed in forest.

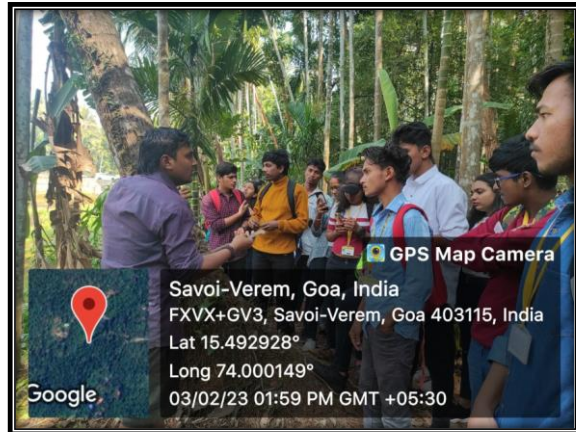
Next, we visited, Mahadev Temple, Tambdi Surla, which comes under Bhagwan Mahavir Wildlife Sanctuary. The forest ecosystem was observed during the field visit with different streams flowing around showing the close relation between forest and water. The temple is a sacred land and dates back to 12th Century build by Kadamba Dynasty. It is surrounded by the hills of Western Ghats which is UNESCO World Heritage Site and Biodiversity Hotspot. At 4.00 PM, we left from the Sanctuary, and reached college at 5.00.



SEWAGE TREATMENT PLANT, SANQUELIM & SAVOI PLANTATION, SAVOI VEREM, PONDA

The Department of Geography organised a Field Visit to “Sewage Treatment Plant, Sanquelim & Savoi Plantation, Savoi Verem, Ponda, on 03rd February 2023 for the students of Class F.Y.B.Com B, as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS. Total No of participating students was 56.

At first, we visited Sewage Treatment Plant, Sanquelim at 10.30 A.M. Sewage Treatment Plant is a type of wastewater treatment facility which is important to reduce the water pollution. The sewage is first treated and then discharged into the water body. The plant is of 0.8 MLD, i.e. 8, 00,000 litre of sewage handling capacity.

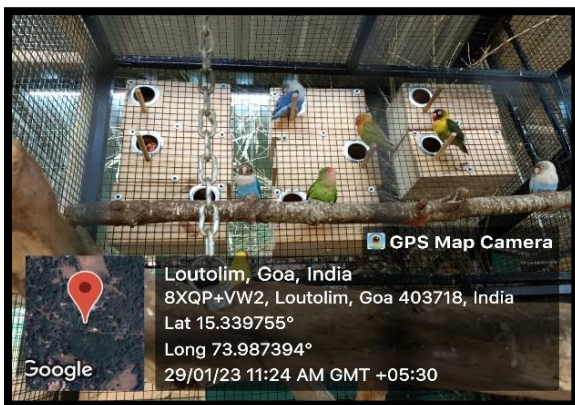


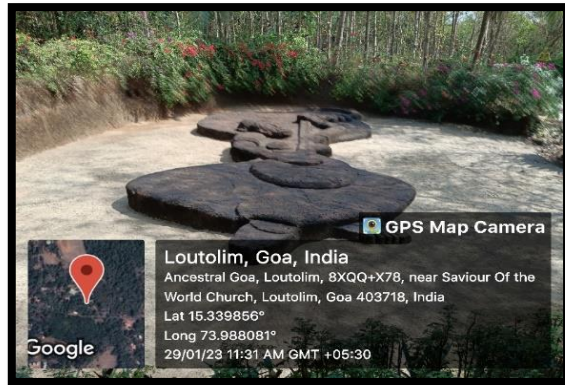
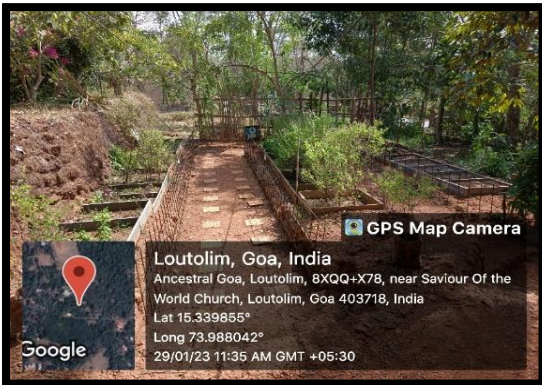
BIG FOOT, LOUTOLIM, SALCETE- GOA

Field Trip was organised by the Department of Geography for Fybsc GE (General Elective) Students to Big foot in Loutolim on 29th January 2023. The team consisting of 29 students and 03 teachers visited Big Foot Loutolim to study physical and cultural attributes of the chosen destinations. The Field Trip is an integral component of Theory paper GEG 102 –Geography of Resource Utilisation in Goa for IV semester where students are expected to visit places in the the states to study cultural and economic activities.

There were also many handicrafts product which was locally made. The entire place depicts about the socio-cultural lifestyle and economic activities of people in Goa. Students also able to see some domesticated animals like rabbit, birds, turtles etc. the largest stone statue carved out of single stone of saint mirabai also could be seen there. The garden also carries some of the medicinal plants like durva and tulusi. The place Also gives fair idea about agriculture in Goa as we can see their various types of crops grown such as Arecanut, Rubber, Bamboo and other types trees which has medicinal and culture importance

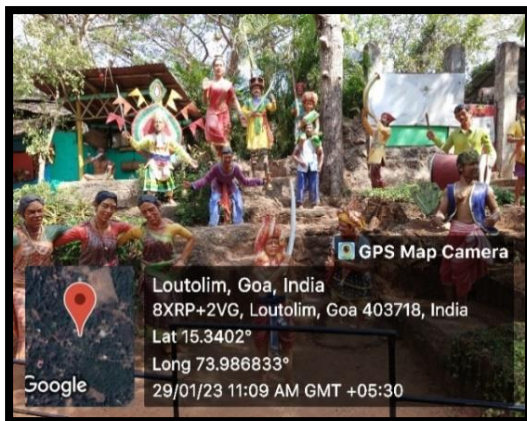
Total no. of participating students: 29 (Male:11, Female: 18)



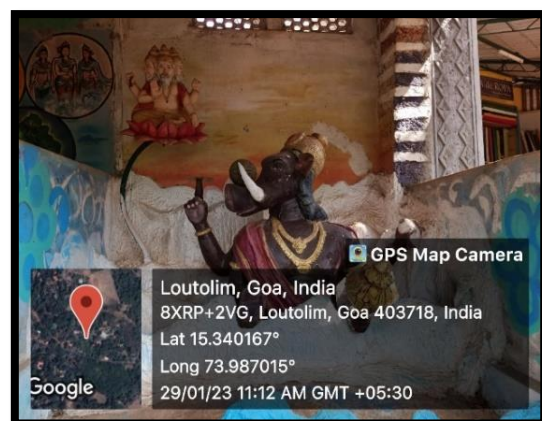


The culture and religion play important part in determining goa's lifestyle. Goa has rich culture and religious diversity. Many festivals celebrated in Goa such as lokotsav, shigmo, carnival, Ganesh Chaturthi, Christmas, Ramzan, Eid etc. Goa is a peaceful state where people belong from different religion such as Hinduism, Christianity and Islam lives peacefully in harmony. Many folktales also famous in Goa about the origin and name of the state.

Shigmo Festival



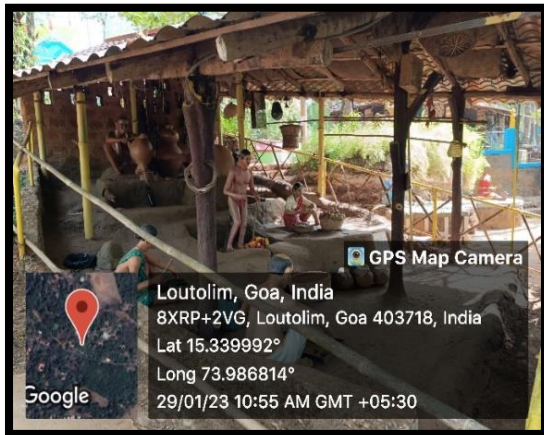
Hindu Religious Structure



Agriculture, tourism , fishing and mining are the main economic activites in Goa. The traditional means of economic activites include fishing and agriculture. Mining and tourism plays imprtant role

of generating economy in the state. But local people also heavily depended upon agriculture and fishing to satisfy their hunger. People of goa also engaged in bakery industry which was started by portuguese in state of Goa. Goa is also famous for cashew fenni and alcohol products. Many people around the world comes to taste the seafood available in Goa

Cashew Fenni



Bakery

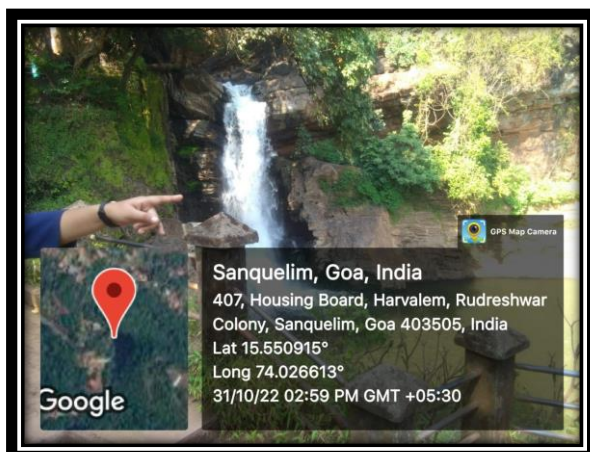


FIELD VISIT TO HARVALEM, SANQUELIM GOA

A field visit was conducted on 31/10/2022 for the students of TYBA class as a part of GEC105 – Practicals in Physical Geography curriculum. The Department of Geography had organized field visit to Harvalem, Sanquelim Goa.

The team of 17 students assisted by 3 teachers visited Harvalem, Sanquelim at around 01.30 pm. As a part of Practicals in Physical Geography, it had been observed about different physical and relief features. There were different alluvial landforms were formed in the Harvalem Waterfall.

Total No of participating students: 17 Male: 08 Female: 09



MORMUGAO PORT AUTHORITY, SADA GOA

A study visit involving students of FYBA classes opted for Geography of Resource Utilization in Goa as GE component was organised by the Department of Geography to Mormugao Port Authority, Sada Goa. The study visits to know about port and trade was the part of the Geography of Resource Utilization in Goa Studies curriculum and was organised to provide exposure to understand trade facilities in Goa. Mormugao Port Authority is one of the famous Port in the field of providing services in Goa. The Port is involved in organising number of Service activities like Cargao Handling, Goods Services (customs), Trade of Petroleum, Navy, Ship building etc.

Previously the major iron ore export was taking under Vedanta Pvt Ltd. Now, currently Adani had taken berge to trade coal. Goa Tourism Ministry trying to develop one berge for Cruise Tourism. In view of understanding services actives in Goa, the team of 32 students assisted by 3 teacher visited Mormugao Port Authority, Sada Goa on 20th February 2023 at around 10.30 am. The team was introduced to various services and future plans of MPA, in term of job opportunities, types of trades, etc.



GEOLOGICAL FIELD WORK AT AGUADA

The Department of Geology conducted a geological fieldwork at Aguada Headland, Aguada, Bardez, Goa on 22nd January 2023 for the geology students of FYBSc. The objective of the said fieldwork was to allow the students to apply the knowledge acquired in the classroom in field setting. The fieldwork was attended by a total of 43 students. The students were accompanied and guided by Mr. Dattaraj Jawdekar and Mr. Shritesh Mhapsekar

During the fieldwork the students got the experience of the following:

- Taking a traverse in the field.
- Observing and studying rocks in their natural setting and in hand specimen.
- Use of clinometers and Brunton compass.
- Observing and noting Joints, Microfaults, bedding and other geomorphological features.



GEOLOGICAL FIELD WORK AT SONAL

The Department of Geology conducted a geological fieldwork at Aguada Sonal, Sattari Goa on 15th January 2023 for the geology students of SYBSc. The objective of the said fieldwork was to allow the students to apply the knowledge acquired in the classroom in field setting. The fieldwork was attended by a total of 40 students. The students were accompanied and guided by Mr. Dattaraj Jawdekar and Mr. Shritesh Mhapsekar.

During the fieldwork the students got the experience of the following:

- Observing and studying rocks in their natural setting and in hand specimen.
- Understanding structural aspects associated with metamorphic rocks.
- Use of clinometers and Brunton compass.
- Observing and noting Joints, Microfaults and geomorphological features.



GEOLOGICAL FIELDWORK AT HARWALE

The Department of Geology conducted a geological fieldwork at Harwale, Bicholim Goa on 5th February 2023 for the geology students of FYBSc. The objective of the said fieldwork was to allow the students to apply the knowledge acquired in the classroom in field setting. The fieldwork was attended by a total of 50 students. The students were accompanied and guided by Mr. Dattaraj Jawdekar and Mr. Shritesh Mhapsekar

During the fieldwork the students got the experience of the following:

- Observing and studying rocks in their natural setting and in hand specimen.
- Understand the aspects of mining and pit design.
- Understand the occurrence of ore bodies in Goa and surface expression of ores.



FIELD WORK AT MALWAN

The Department of Geology conducted a geological fieldwork at Malwan and adjoining areas of Sindhudurg district of Maharashtra for a period of four days from 12th December 2022 to 15th December 2022 for the Geology students of TYBSc. The main objective of the said fieldwork was to allow the students to apply the knowledge acquired in the classroom in field setting.

This fieldwork was conducted as a part of the curriculum and it is beneficial for the students of Geology to get exposure to the rocks and other geological features in the field itself. The fieldwork was attended by a total of 07 students. The students were accompanied and guided by Mr. Dattaraj Jawdekar and Ms. Diksha Karapurkar.

During the fieldwork, the students visited following places:

- Day I, 12th December 2022: Kankavli, Gad Nadi Section and Malwan
- Day II, 13th December 2022: Nivti, Vengurla, Kasartaka and Kunkawle
- Day III, 14th December 2022: Rock Garden and Sindhudurg Fort
- Day IV, 15th December 2022: Rajkot, Kolamb, Pise kamte/Phalsewadi

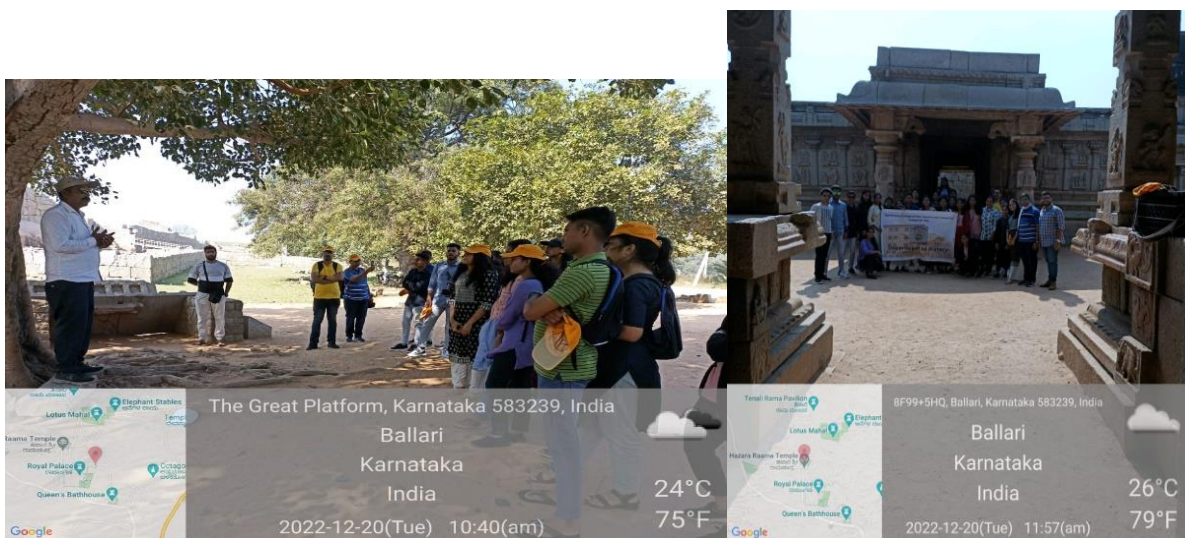


STUDY TOUR TO HAMPI AND BADAMI

On 20th and 21st December 2022 the Students of SYBA History were taken for study tour to visit the Historic sites of Hampi and Badami. Vijaynagar empire is an important sub-topic in the SYBA History of Medieval India Paper.

On 20th December, students got an first had experience of the life of Vijaynagar royal family as we visited Mahanavami dibba, the royal complex, Hazara Rama Temple Lotus Mahal, elephant stable, Queens bath and Vithala temple.

On 21st December students were taken to the Narsimha statue, Ganesh Temple and Virupaksha Temple. During these visits students admired the art and architecture practised in Hampi. In the evening we visited the rock cut Badami caves. Students got and opportunity to compare the difference between the Jaina, Vaishnava and Shaivaites and appraise the rich contribution in the field of art. 26 students attended the study tour.





FIELD TRIP TO HISTORICAL SITES IN SATTARI

On 29th October 2022, the students of FYBA DSC and GE were taken for a study tour to the historical sites in Sattari taluka namely Keri, Zarme and Mauxi. In Keri the students got an opportunity to see two megaliths, iconographic images of Gods, Goddesses, hero and sati stones. In Zarme students admired a temple made entirely of wood, with rich carving on the pillars of the Temple. Lastly, students got an opportunity to experience the petroglyphs in Mauxi village. Student were filled with sense of pride after knowing about the rich history that they possess in their very own taluka.

34 students attended the field trip.





FIELD VISIT TO DONA PAULA JETTY, MANGROVE BOARDWALK AND CAMPAL GARDEN

The Department of Geography had organised a Field Visit to “Dona Paula Jetty, Mangrove Boardwalk and Campal Garden”, on 21st March 2023 for the students of Class F.Y.B.Sc as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS. 69 students participated in the field visit.

Students were able to see various pollution related activities on the way like Air Pollution by Pig Iron Plant of Vedanta. Air quality was also degraded due to the amount dust due to transportation of ores and smoke from the pig iron plant. A lot of Acacia plants which are invasive were seen growing in Navelim village which affected the local species of plants.



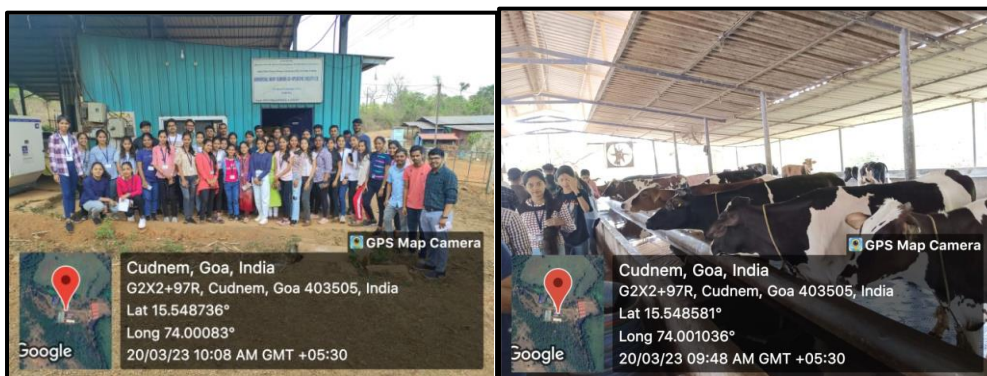
FIELD VISIT TO BIODIVERSITY PARK

The Department of Geography organised a Field Visit to “Biodiversity Park, Mollem, Goa, and Gomanchal Dairy, Kudne on 20th March 2023 for the students of Class F.Y.B.A., Division A, as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS. Biodiversity Park is situated in the buffer zone of Bhagwan Mahavir Wildlife Sanctuary, Mollem, and Goa.

The park is spread over 37 Ha. area and contains Nature Trail, Orchidarium, Herbal Garden, Zamba Land, Butterfly Park, Spice Garden, Rashi Van etc. 47 students participated in the field visit.



Biodiversity Park, Mollem



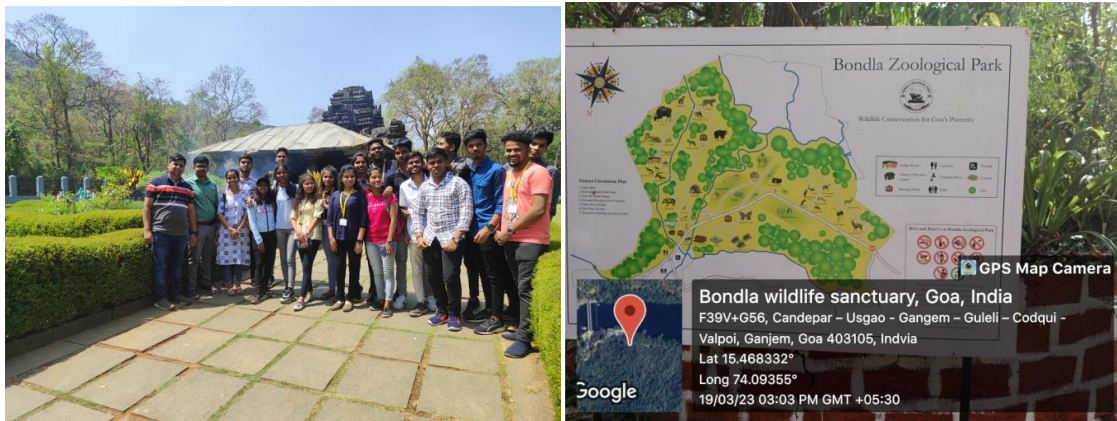
Gomanchal Dairy, Kudne

FIELD VISIT TO SATPAL ARBORETUM AND TAMBDI SURLA TEMPLE

The Department of Geography organised a Field Visit to “Bhagwan Mahavir Wildlife Sanctuary, Tambdi Surla Temple and Bondla Wildlife Sanctuary, on 19th March 2023 for the students of Class F.Y.B.Com A, as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS.

Bondla Wildlife Sanctuary - is situated in Ponda taluka and is spread across 7.98 km² which makes it smallest wildlife sanctuary of Goa. It comprises of Zoo, Deer Safari Park, Botanical Garden and Eco-tourism complex.

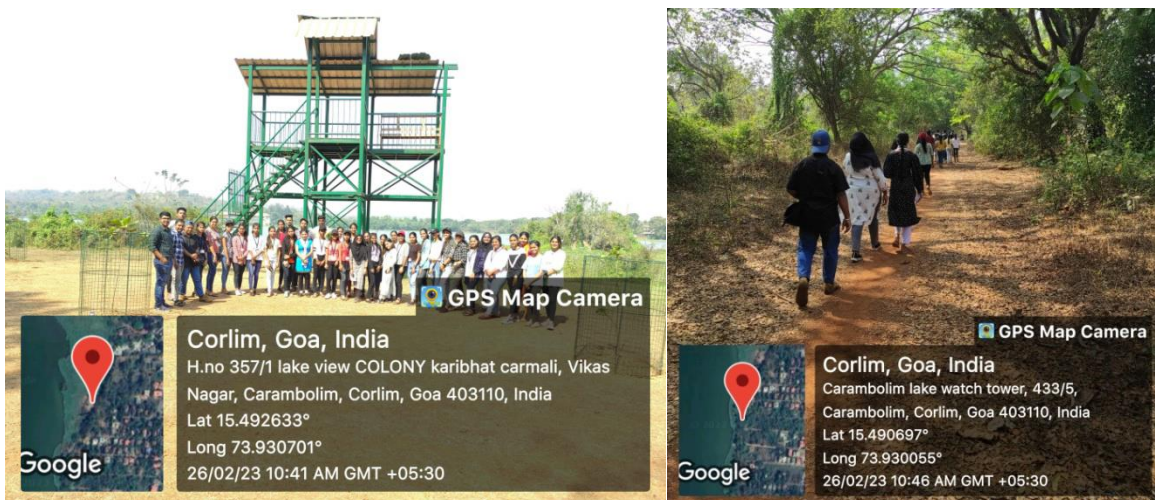
Bhagwan Mahavir Wildlife Sanctuary - Set amidst the foothills of the Western Ghats and covering an impressive 240 sq. km the Bhagwan Mahavir Wildlife Sanctuary holds the title of the largest wildlife preserve within the state of Goa. This sanctuary is home to a huge variety of plant, bird and animal life. Total No of students was 54.

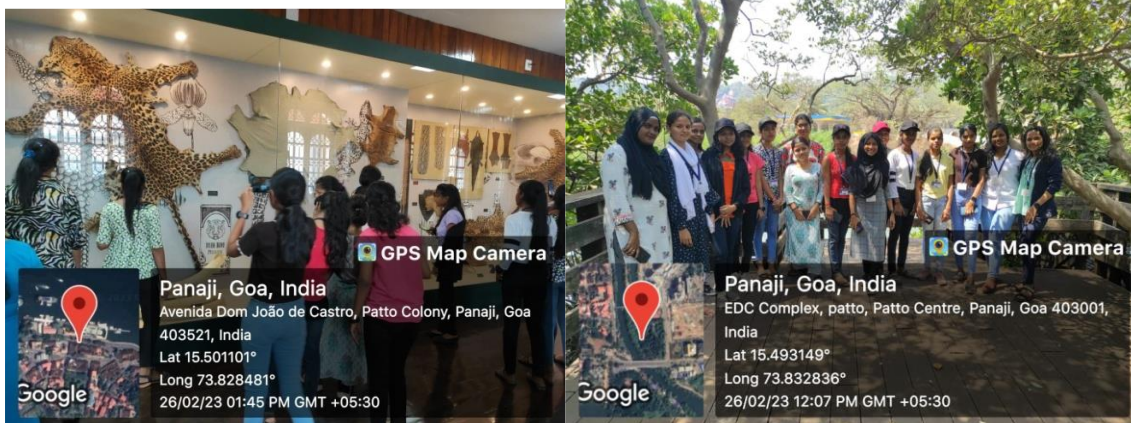


FIELD VISIT TO CARAMBOLIM LAKE, MANGROVE BOARDWALK, DHAROHAR MUSEUM AND CAMPAL GARDEN

The Department of Geography had organised a Field Visit to “Carambolim Lake, Mangrove Boardwalk, Dharohar Museum and Campal Garden”, on 26th February 2023 for the students of Class F.Y.B.A, II, as part of the syllabus of Environmental Studies (AECC) subject, prescribed by Goa University under CBCS.

On the way there were different types of ecosystems encountered namely Forest ecosystem, Wetlands, River Ecosystem, Mangroves, Estuary and some man-made ecosystems like plantations, farms, Khazan Lands etc. Students were able to see various pollution related activities on the way like Air Pollution by Pig Iron Plant of Vedanta; Garbage near the Carambolim lake area etc. Air quality was also degraded due to the amount dust due to transportation of ores and smoke from the pig iron plant. A lot of Acacia plants which are invasive were seen growing in Navelim village which affected the local species of plants. Total No of participants was 39.

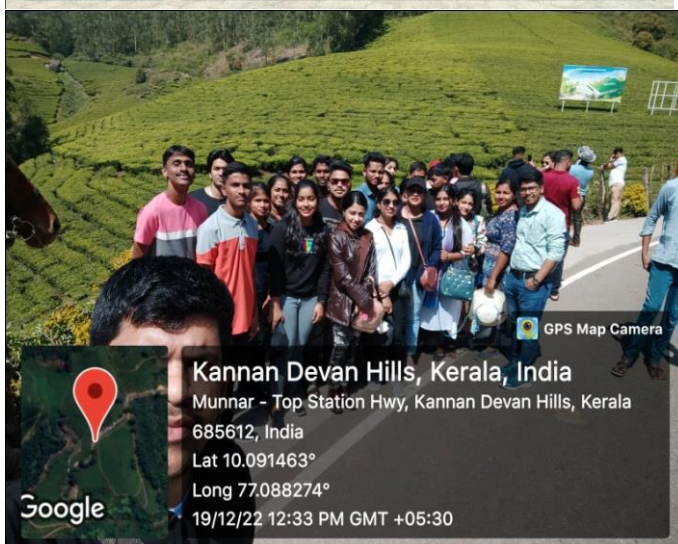




STUDY TOUR TO KOCHI, MUNNAR, THEKADY AND ALLEPEY

The Department of Geography of Government College of Arts, Science and Commerce, Sanquelim-Goa has organized a **Study Tour to Kerala** for the students of B.A Geography from 17th December to 23rd December 2022. The main objective of the study tour was to know about the Physical and Cultural aspects of the other states with reference to Weather, Climate, Drainage, Soil, Topography, Culture and Economic activity of the Kerala state. It is also the part of the Syllabus of TYBA Practical paper named **GEC 106: Application and Interpretation of Weather Maps** and it is prescribed by Goa University under CBCS.

Total no. of participating students: 19 (Male: 07 Female: 12)



GEOGRAPHY FIELD TRIP

The Department of Geography of Government college of Arts, Commerce and Science had conducted a field trip for the SYBA GE Geography students to Dona Paula Jetty (Environment Tourism), Mangroves Boardwalk (Eco-Tourism), Central Library (Educational Tourism) and Compal Garden at Panjim-Goa on 29th March, 2023. The field visit forms a compulsory part of the syllabus

The aim of the field visit is experimental learning, to develop observation skills and inculcate real world knowledge and understanding among the students about the positive and negative impacts of tourism. Based on the field trip the students will prepare field trip report which is exclusively for the Unit four of the syllabus.

The region is the confluence point of two rivers with Arabian Sea namely, Mandovi and Zuari. The estuarine ecosystem, the rocky beach and marine ecosystem were observed. As this is a transition zone of two different ecosystems, namely, Freshwater and Marine Water, the region is rich in Biodiversity. The fisherman in this region, are also benefitted from this. The natural beauty and the cool breeze here has made this area ideal destination for tourists.

Next we visited, Mangrove Boardwalk at Patto, Panjim. It showcases different mangrove species and the ecosystem. The different types of mangroves along with its physiology, root systems, and its importance, all can be studied at mangrove boardwalk. Many of the crabs, lobster mounts could be seen in Mangrove Boardwalk. It is excellent way to aware people about this magnificent ecosystem.

Next, we visited Campal Garden, Panjim. It is situated on the bank of river Mandovi. Here different indigenous plants are being grown. The urban heat island is a local and temporary phenomenon experiences when certain regions within the city experience more heat than the surrounding areas due to human activities. The green spaces for the capital city are very crucial so as to reduce the urban heat island. The urban heat island is a local and temporary phenomenon experiences when certain regions within the city experience more heat than the surrounding areas due to human activities This garden is like lungs of the city and provides aesthetic value to the area.

We returned back to college at 5.30 P.M.



GPS Map Camera

Panaji, Goa, India

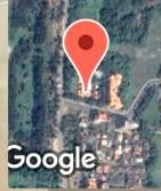
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403001, India

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Google



GPS Map Camera

Panaji, Goa, India

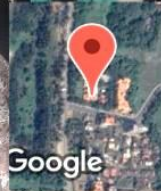
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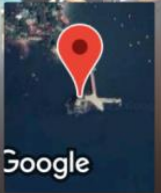
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