



# GEO CLUB

Department of Geography  
St. Xavier's College, Ranchi



## Annual Report 2023

### A Talk On "MENTAL HEALTH AWARENESS" (January 28<sup>th</sup> 2023)

GEOCLUB, under the "DEPARTMENT OF GEOGRAPHY", ST. XAVIER'S COLLEGE, RANCHI took the initiative to organize awareness program on "MENTAL HEALTH". The program was organised on 28th January, 2023 with motive to draw the attention of the students on the most neglected topic i.e, mental health, depression, overthinking etc.

The event drew the participation of nearly 500 students from diverse departments, creating an engaging platform for discourse. The dedicated efforts of approximately 55 GEOCLUB members ensured the smooth execution of this vital initiative.



## Guest of Honor:

The program featured Dr. Nishant Vibhash, a distinguished psychiatrist, as the esteemed chief guest. Notable dignitaries included Fr. Robert Pradeep Kujur (Vice-Principal), Mr. Animesh Roy (H.O.D of Geography), and esteemed faculty members Dr. Rajeev Ranjan Shrivastava, Dr. Sandeep Chandra, Dr. Shiv Kumar, Ms. Angeline P. Toppo, Godwin Pereira, and Dr. Madhumita Minz.



## Events Highlights:

The proceedings commenced with a warm welcome speech by Ms. Angeline, setting the tone for an insightful session. Vice-Principal Fr. Robert Pradeep Kujur honored Dr. Nishant Vibhash with a scarf and a memento. Animesh Roy, the H.O.D of Geography, symbolized Geo Club's commitment to environmental stewardship by presenting a sapling. The lamp-lighting ceremony followed, illuminating the event's path towards mental health awareness.

A choir, with melodious tunes, provided a harmonious atmosphere, leading into a poignant play on mental health. The play artfully depicted the struggles faced by teenagers, addressing issues of bullying and the somber reality of suicide and display of vibrant canvas posters. The emotionally charged portrayal resonated with the audience, culminating in a symphony of applause.

Students actively joined the interactive session and asked numerous questions such as:

1. How to overcome addiction? - Madhav Sharma.
2. How to avoid overthinking? - Manshi
3. How to overcome heartbreak? - Gulshan
4. How to abstain procrastination? - Rohit

All the doubts were welcomed and were answered by DOCTOR. According to his experience cutting-short in the screen timing and social media helps overcoming addiction. Watching whole day vlog and other people's life and there way of standard living are the main causes of overthinking, making people ambitious and crave for the materialistic things. To overcome heartbreak and other emotional situation people need to share their problems with the near ones and to meet psychiatrist, if needed. To deal with procrastination he suggested proper time management along with proper channelizing of tasks as per their abilities.



### **Conclusion:**

The Mental Health Awareness Program orchestrated by GEOCLUB emerged as a transformative experience, fostering understanding and empathy toward mental health issues. The collaboration of esteemed guests and the active engagement of students contributed to an event that not only raised awareness but also provided tangible insights for personal well-being.

# Special Lecture "TO LEARN HOW TO LEARN"

(March 2<sup>nd</sup> 2023)

The Members of the GEO CLUB, Department of Geography, St. Xavier's College RANCHI in Collaboration with Helping India Feeding India took the initiative to organise a Talk Show on the Sobriquet "To Learn How To Learn".

Approximately 500 students from various departments, including Intermediate sections and the Undergraduate program, attended the event. Esteemed teaching and non-teaching staff were also present.

The event began with the Introduction speech and then lamp lighting and after that the Chief Guest was presented a sapling, a Memento and a shawl as a token of gratitude.

## **Guest of Honor:**

The Chief Guest for the occasion was Shri Arun Roy, a distinguished former IITian from IIT Bombay, and Chief Instructor in Mathematics and Philosophy graced us with his presence.



## **Events Highlights:**

The Talk Show commenced with an introduction speech, followed by a symbolic lamp lighting ceremony. Shri Arun Roy was presented with a sapling, a memento, and a shawl as tokens of gratitude.

Shri Arun Roy captivated the audience with his profound insights. He emphasized the importance of knowledge over mere success, viewing success as subjective and honorificabilitudinitatibus. Throughout the event, students actively participated, particularly those from Intermediate Sections who posed thoughtful questions on topics ranging from Pedagogy to the path to IITs.

## **Key Takeaways:**

- Shri Arun Roy highlighted the significance of having a questioning mindset to facilitate learning.
- He expressed that inquisitiveness leads to perception, which, in turn, forms concepts and ultimately results in knowledge.
- Emphasizing the scarcity of resources and unlimited demands, he urged individuals to focus on efforts and merit rather than getting caught up in the rat race for success.
- The Chief Guest's counsel concluded with the motivational motto: "INCESSANT STRIVING FOR FUTURE."



## **Conclusion:**

The event was a resounding success, leaving an indelible impact on the attendees. The collaboration between the GEO CLUB and Helping India Feeding India facilitated a memorable experience that not only broadened the intellectual horizons of the students but also inspired them to approach learning with perpetual enthusiasm.

# “PLANTATION DRIVE” And Trek to Biodiversity Park

(August 15<sup>th</sup>, 2023)

On 15th August 2023, on the occasion of our **Independence Day**, a trekking event was organized by the Members of Geo club under the department of Geography, St. Xavier’s College Ranchi. The trek marked it's beginning from the college campus with a student march to the Albert Ekka Chowk and then back to the college. A Plantation drive to highlight the importance of plants and the need to preserve them was also organized by the club where we distributed plant saplings to the students and teachers.



Then, we went to the Biodiversity Park situated at Lalkhatanga, Ring Road Ranchi via buses organised and handled by the Geo club secretaries. The trek was full of experiences which were new as well as fascinating for the students. As we started our trek and went down the valley, we could experience a lot of humidity there. As told by the teachers, it was due to the fact that density of air down the valley is much more greater than the hilly and the upland region. Thus it also absorbs more insolation and produces heat. Then as we started to explore the terrain we found that most of the rocks there, are granite. We also found traces of intensive weathering and mass disintegration of rocks which are due to geomorphic agents like sun insolation, water, penetration of vegetation etc.



The Park is situated under the Protected forests where the locals are permitted with all activities except some which are regulated under government jurisdiction. Many species of plants and insects were found along the journey. Lichens as we know a symbiotic partnership between a fungus and an alga were also present in the trees which are useful in absorbing pollutants. Many different ferns were also found. One of the most interesting things we learned about the ferns was that they do not have flowers or seeds, instead they reproduce asexually via spores present on them.

Then we move towards the sunset point during which we also saw the green houses build their supporting different types of cactus species. As we entered these green-houses we can experience the sudden rise in the temperature.



In the sunset point we found that we were standing in a large rock which is of volcanic origin and is an intrusive landform that is Batholiths. This was once used to be inside the earth formed due to volcanic eruption and then cooling of its magma. Later due to intrusive erosion for millions of years they came into the Earth surface. We can find whether a rock is of intrusive origin or not by tracing the presence of crystals in it. Crystallization in rocks is of intrusive origin. We also found

rocks exfoliating due to temperature differences. Under exfoliation rock layers get peeled off like onions thus it is also called an onion peeling mechanism.



### **Conclusion:**

It was an amazing experience to be a part of this trekking event. It helped the students to be aware of their surroundings. It helped them to learn about its environment, surrounding societies, their culture, the economy and its various activities and much more.



## **"Ozone Day"** **(September 16<sup>th</sup>, 2023)**

To emphasize the importance of ozone and the need for its conservation the Geoclub organized a Creative Competition Event on 16th September 2024, Ozone Day. The event was organized at the Geoclub itself. It was organized in a series of four competitions namely, Essay Writing, Poster Making, Slogan Writing and Wall Decorating. Good number of students participated in each segment across all the departments. Numerous beautiful posters and wall decorations were received in reference to the theme in relevance to Ozone Conservation. Apart from these the essays and slogans portrayed a truly mesmerizing play of words very skillfully depicting current situation of ozone depletion. The event went by very sequentially and the award winners were felicitated later on 26th September 2024 by the Department of Geography itself



# "Trek To CHURNI FALL"

(October 8<sup>th</sup>, 2023)

The members of Geo Club, Department of Geography, St. Xavier's College, Ranchi, organized a trek to the Churni Fall, Baheya, Jharkhand (835103) under the banner of "Wanderlust Trails - A Trekking Odyssey" with the initiative of "trekking for health and learning". We were a group of approximately 140 people including students from semester I and semester II, guided by the club members and accompanied by our honorable Head of the Department Shri. Animesh Roy and professor Dr. Sandeep Chandra.

Churni Fall, lying at 23°08'N longitude and 88°30'E, is a place of enthralling beauty and is very well suited for geomorphological study with respect to its terrain variation. It is also known as Bahiya falls due to the region's close proximity. This was my very first experience into trekking and I can say it was no less than perfect. We arrived at the location at around 9:40 a.m. and trailed down to reach the waterfall.



## Events Highlights:

- It was a sight doing immense justice to the word "beauty". The sound of water cascading down was emitting an inescapable aura of peace and serenity. At the right of the falls, there lies a small cave adding a pearl to its beauty. It was a bright sunny day with a temperature around 32°C boosting the spirit of trekkers and making the trek a perfect success

- The flora observed at the Churni fall weren't very much in variation. The most found trees were of Sal and Bamboos. However, we observed that the lower valley region mainly consisted of Sal trees and the upland region had most of the bamboos and a few sal trees. We found a hibiscus Tiliaceus being unique as it isn't found much in this region and some other flower based plants of common origin. Wild mushrooms were found at some places in the upland region around the fall. The upper layer of the rocks near the falls were mostly gneiss and granite as observed and told by our professor. This region consists of zonal soil due to the presence of parent rocks and immense erosional activities, especially during monsoon. This region is very well suited for the study of soil erosion as pathways here are mostly gullies and rills formed by the flow of water towards the slope eroding the soil.
- This trek further gave us a fortuitous opportunity to work on our skills in group as we cooked together under the leadership of our seniors. Cooking and eating individually at our respective residences and in groups with a mesmerizing view at sight are entirely different aspects and hold integral places. Further, we trailed upwards leading ourselves half way back and tried to observe certain features under the stewardship of professor Dr. Sandeep Chandra. Also, we did not discount the importance of nature's well-being and wrapped up all the litter spread by any member of our group. All the trekkers were filled with utmost enthusiasm and left no room for exhaustion even by the end of the day.



## **Conclusion:**

Apart from the incredible trekking experience, this trek marked an exemplar embracing the importance and need for teamwork and mutual cooperation as well as understanding. Our seniors and especially the members of Geo Club guided us very well and cooperated with us very kindly.

# “Cloth Collection and Donation Drive”

(December 15<sup>th</sup> to 17<sup>th</sup>, 2023)

Following the theme of "Give your old clothes a new home" a cloth collection and donation drive was held from the 15th to 17th of December 2023 with the initiative of spreading warmth and smiles in disguise of clothes for those in need.

A total number of 15 boxes, 9 bags and 1 bori of donations were received by the members of the coordination and outreach committee who were respectively in charge of the collection and donations in this drive. Initially on 15th and 16th of December 2023, the members of coordination committee held the collection drive in the college campus itself in front of the Fr. C.D Brouwer auditorium. Numerous students as well as teachers donated for the good cause.

On 17th of December 2023, the members of Outreach committee did the completion of the drive by donating the clothes to those in need around the Firayalal Chowk and Pahadi Mandir, Ranchi. The drive concluded with the long-lasting shared memories and an emotion of satisfaction among the volunteers of being able to induce some warmth in this freezing winter.

