

# KARIM CITY COLLEGE JAMSHEDPUR

(Permanantly Affliated to Kolhan University, Chaibasa)

## **DEPARTMENT OF GEOGRAPHY**

Sakchi Campus, Jamshedpur, Jharkhand - 831001



# Departmental Activities Session: 2022-2023



FOR MORE VISIT: https://karimcitycollege.ac.in/department-of-geography/

## GEOGRAPHICAL SURVEY CAMPS (Plane Table, Prismatic Compass & Dumpy Level)

The Department of Geography at Karim City College conducted a survey camp for the students of B.A (Hons.) Semester – III in Kapali village and Mango Campus Jamshedpur, on July 4th and July 7th, 2022. The camps were organized under the supervision of the HOD of Geography, Dr. Aaley Ali, Dr. Mohammad Reyaz, and Dr. Farzana Anjum. Dr. Anjum demonstrated the instruments used in Plane Table Survey, Dr. Reyaz showcased the Prismatic Compass, and Dr. Ali explained the Dumpy Level. Students were grouped based on the availability of instruments. The Lab assistant, Mr. Khalid also actively supports to the students.

A Plane Table Survey is a traditional method used to create topographic maps or plans of an area. The essential instruments for this survey include the Plane Table, Alidade, Drawing and Mapping Tools, Surveying Chain or Tape, Tripod, Plumb Bob, Leveling Instrument, Field Notebook, Compass, and others.





A Prismatic Compass survey aims to determine the magnetic bearing or azimuth of a specific location or object, crucial for navigation and orientation in the field. Instruments required for this survey are the Prismatic Compass, Tripod, Plumb Bob, Clinometer, Ranging Rods, Magnetic Declination Chart, Topographic Maps, Notebook, and Pencil.

Dumpy level survey instruments encompass theodolites, total stations, and auto levels, used for measuring horizontal and vertical angles, distances, and elevations in land surveying. Dumpy level surveys are essential for determining relative heights or elevations of different ground points for construction, engineering, or land surveying applications. Faculty members provided practical guidance to students on conducting ground-level surveying using these instruments.

Finally, all students prepared their surveyed drawings, which were verified by the department's faculty members.



### STUDENT'S SEMINAR WORLD POPULATION DAY- 2022 Theme: Population and Sustainable Development Goals (SDGs)

The Department of Geography, Karim City College, Jamshedpur has organised a Students Webinar on World Population Day on 11th of July 2022. The principal of Karim City College, Dr. Mohammad Reyaz was also present as the guest speaker on that occasion. Firstly the Head of Department of Geography, Dr. Aaley Ali Sir welcomed the gathering beautifully. Then later he acknowledged the students about population, that what is the group of individuals with shared citizenship, identity or characteristics. Then the principal of Karim City College, Dr. Mohammad Reyaz addressed the gathering by wishing everyone World Population Day. He said as we all know that the number of people who live in a particular area, city or country is called population. We celebrated World Population Day on July 11th every year to raise awareness of global population issues like gender equality, poverty, maternal health and human rights. He said that how overpopulation becomes the biggest problem to population.



The student of semester 2, Manav Ghosh said about the overpopulation that it is the state where the human population rises to an extent exceeding the carrying capacity of the ecological setting. In an over populated environment, the numbers of people might be more than the available essential materials for survival such as transport, water, shelter, food or social amenities.

Then Meghashree Giri of semester -2 informed about the main causes of the overpopulation. The main cause is an imbalance between births and deaths because the global average life expectancy has been doubled since 1900 because of the advancement in medicine, technology and general hygiene. Then the student of semester - 3 Purwasha Singh of talked about the effects of overpopulation. It is only logical that an increase in the world population will cause nothing but additional strains on resources.

The main effects of overpopulation are increased economic growth of a country, growing demand for jobs, lack of housing and schools, lack of infrastructure leading to poor living and increase in pollution and waste. Then later, Saba Sultana of semester-3 talked about the measures to control overpopulation. Government should launch awareness programs about family planning. Lastly, the assistant professor of Geography Department, Dr. Farzana Anjum concluded the webinar by giving a vote of thanks and showed gratitude towards everyone for their beautiful presence in the webinar.





4

### AUDIO VISUAL CLASSES

An audio-visual lectures were delivered by **Dr. Aaley Ali (HoD), Dr. Mohammad Reyaz and Dr. Farzana Anjum** to the B.A (Hons.) geography students on the prescribed topics of the syllabus. The lecture took place at the Department of Geography's lab, Karim City College, Jamshedpur, on July 6th, 2022. During the lecture, Dr. Ali eloquently explained the significance of biodiversity, emphasizing its role in sustaining ecosystems, providing resources, and supporting human well-being. He underscored the alarming rate of biodiversity loss due to various human activities and the grave consequences it poses for the planet. Dr. Ali discussed various conservation strategies and initiatives, highlighting the importance of protected areas, sustainable resource management, and international agreements. He also showcased inspiring success stories of conservation efforts around the world, instilling hope and motivation among the listeners. His passionate delivery and deep knowledge on the topic engaged the audience and encouraged them to reflect on their role in preserving biodiversity. Dr. Ali's lecture served as a call to action, inspiring individuals to take steps in their daily lives to contribute to the conservation of our planet's precious biological diversity. At the end of the lecture, he interacted with students and also highlighted their role in conserving biodiversity.





5

### EDUCATIONAL TOUR Venue – Bodh Gaya, Rajgir & Nalanda

The Department of Geography, Karim City College, Jamshedpur has organized a tour for Bodh Gaya, Rajgir and Nalanda from 20<sup>th</sup> July 2022 to 22th July 2022. There were total 32 students participated in this excursion a prepared a report carrying marks of 100.









As we know that the study of landscape and mankind is the part and partial of geography therefore according to the syllabus of Kolhan University we organize an education tour of 4 to 5 days for the students. Though we have organized several educational tours from our department to Eastern and Southern India, but due to pandemic we have given assignment to the student individually.

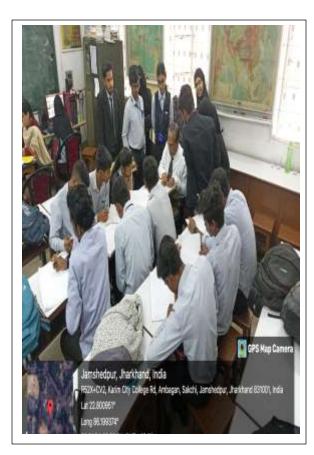




Students came to know about the route map, relief, drainage, climate, natural vegetation, soil, agriculture, irrigation and the human activities happening in those areas. Students did the geographical and socio-economic survey of the visited areas. Students came to know about the problems facing by those areas and how government is tackling to solve those problems. It was really a wonderful experience for the students to get the regional study of the Bihar and Nalanda. Students also get to know a lot more about the Bodh Gaya and Mahabodhi Temple by visiting them.



The Department of Geography, Karim City College has organised a group discussion with the students on the topic of Biodiversity on 13 August, 2022. The different views of every individual in that group made it easy to understand the topic. There were two groups, one was consist of boys and the other one was consist of girls. Biodiversity or Biological Diversity is a term that encompasses the variety of life on Earth, including the diversity of species, ecosystems, and genetic variation within species. As we all know that how much our Biodiversity is important for us because of our economic stability. Biodiversity plays a crucial role in shaping cultures and traditions. It also contributes to the aesthetic beauty of natural landscapes. Nowadays, there are many factors affecting Biodiversity like the conversion of natural habitats into urban areas and pollution of air, water, and soil negatively impacts species and ecosystems.





Our Group Discussion came to the Conclusion with the importance of involving local communities in conservation efforts, as their livelihoods often depend on the sustainable use of natural resources. As a individual, What Can We Do for Conservation of Biodiversity? We can support sustainable products by choosing products that are eco-friendly and support sustainable practices. We can also reducing resource consumption by conserving water and energy in daily life. Biodiversity is critical for the health of our planet and the well-being of all living creatures, including humans. Understanding its importance, addressing threats, and taking proactive conservation measures is essential to ensure the sustainability of life on Earth. Everyone has a role to play in preserving this invaluable resource for future generation. The Department of Geography, Karim City College, Jamshedpur has organised a group discussion on the topic of Biodiversity. There were two teams for the group discussion. One teams consist boys and one team consists girls. As we know the variety of life on earth and its interaction with other and these differences. is Known as Biodiversity. Biodiversity is very important for all life on the earth because these variation creates a suitable environment for a living being to sustain its life. Now a day's people greed harm the nature and environment. Half portion of Indian natural forest are gone. One third Wetlands drained out. 70% of Surface water bodies are polluted, 40% of mangroves are wiped out, continued hunting trade of animals, Trades of commercially valuable plants effect biodiversity a lot. Government play a active role to protect these diversities. Many Biosphere Reserves, National Parks are opened. Many Acts were launched to protect tiger, elephant, lion and other vulnerable animals. As a student of geography, we also need to support our natural environment. These group discussion is a method to motivate students for doing their job for environment. We need to prevent and take care of each and every living being.

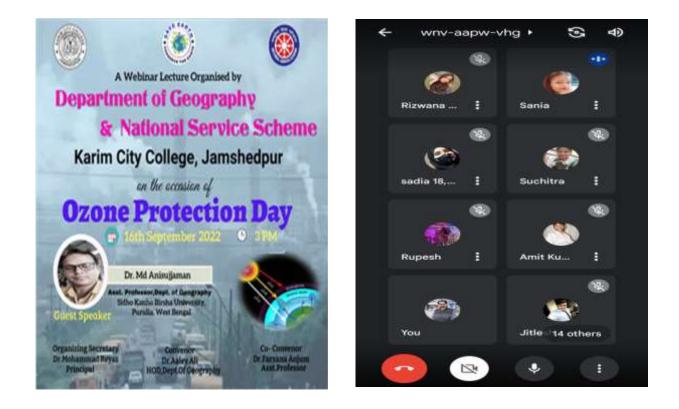
#### **GUEST LECTURE**

#### **Ozone Protection Day – 2022**

Chief Guest: Dr. Md. Anishujjaman

Assistant professor, Department of Geography, Sidho Kanho Birsha University, W.B.

The Department of Geography, Karim City College, Jamshedpur has organized a Students Seminar on World Ozone Day on 16th of September, 2022. Assistant professor of Department of Geography of Sidho Kanho Birsha University, Dr. Md. Anishujjaman was the guest speaker on that webinar. The principal of Karim City College, Dr. Mohammad Reyaz was also present in the seminar as the organising secretary.



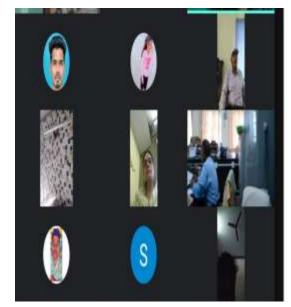
Firstly the Head of Department of Geography, Dr. Aaley Ali welcomed the gathering beautifully as he was the convenor of the webinar. Then later he acknowledged the students about the World Ozone Day that it is celebrated to inform people about the significance of the Ozone layer along with how its depletion can have adverse effects on human health ecosystems and the environment and suggest measures for its recovery. World Ozone day is a international day for the preservation of the ozone layer. Then the principal of Karim City College, Dr. Mohammad Reyaz addressed the gathering by wishing everyone World Ozone Day. He said as we all know that the Ozone is an odourless, colourless gas made up of three oxygen molecules (O3) and is a natural part of the environment. The stratospheric ozone layer is Earth's 'sunscreen' which is protecting living things from too much ultraviolet radiation from the Sun. The ozone layer absorbs 97% to 99% of the sun's incoming ultraviolet radiation. The student of semester 1, Manav Ghosh talked about the importance of celebrating World Ozone Day. Then Rounak Kabra of semester -1 informed about the main importance of ozone layer. The Ozone layer in the stratosphere absorbs a portion of the radiation from the Sun, preventing it from reaching the planet's surface. Then the student of semester -2 Salma Perween talked about the formation of Ozone. Ozone forms when sunlight breaks apart oxygen molecules (O2) and free oxygen atoms then bond with other O2 molecules forming O3. Ozone is destroyed when it reacts with other molecules such as nitrogen, hydrogen, chlorine and bromine. Then later, Mayank Kumar of semester-4 talked about the solutions to Ozone Depletion. Ozone layer depletion is a huge issue for the atmosphere as well as all living things on the planet, including the flora and fauna. Minimizing the use of vehicles as these vehicles emit a large amount of greenhouse gases. Government should ban the use of nitrous oxide and pesticides. Then Sabiha Gul of semester-2 spoke about the effects of ozone depletion. It causes UV rays to reach the Earth and causes harm to living organisms like plants, animals and human. It can lead to skin cancer and cataract in humans. The UV rays from the sun will damage the DNA and lead to mutation. Lastly, the assistant professor of Geography Department, Dr. Farzana Anjum concluded the webinar by giving a vote of thanks and showed gratitude towards everyone for their beautiful presence in the webinar.

## 11

### GUEST LECTURE Topic: Scope of GIS and Remote Sensing Resource Person: Dr. Nigar Alam Siddiqui Professor, Department of Geography, Aligarh Muslim University

The Department of Geography, Karim City College, Jamshedpur had organized a Webinar Lecture on 10th of November 2022. The guest speaker on that webinar was Dr. Nigar Alam, the associate professor of the department of geography in Aligarh Muslim University. The webinar lecture was based on 'Scope of GIS and remote sensing in Geography'. The principal of Karim City College, Dr. Mohammad Reyaz was the organizing secretary of that webinar. The Head of Department of Geography, Dr. Aaley Ali was the convener of that webinar. The assistant professor of Geography Department, Dr. Farzana Anjum was the co-convener of the webinar. Firstly, Dr. Aaley Ali congratulated the gathering. Then he said GIS or Geographic Information System are computer based tools used to store, visualise, analyse and interpret geographic data. Here geographic data also called spatial or geospatial data which identifies the geographic location of features. Remote sensing is the process of detecting and monitoring the physical characteristics of an area by measuring its reflected and emitted radiation at a distance typically from satellite or aircraft.





GIS technology has a wode use in geography, including mapping and visualisation, spatial analysis, data management and decision making. Then the principal, Dr. Mohammad Revaz acknowledged the students about the importance of GIS. GIS is a computer system for capturing, storing, checking and displaying data related to positions on Earth's surface. He said that the most common function of GIS is to simple 12 out where things Arc-GIS have numerous applications in geography, including agriculture, climate, monitoring, natural resource management, urban planning and disaster management. Then the students of Semester 2 and 4 also spread the importance of GIS and Remote Sensing. The student of semester-2, Manav Ghosh throw light on the importance of GIS and remote sensing. GIS can help us understand the impact of human activities on the environment and make informed decisions to mitigate this impact. Then Meghashree Giri of semester- 2 talked about the applications of GIS and Remote Sensing. She said that Remote Sensing is a surveying and data collection technique used to survey and collect data while GIS is computer system that consists of software used to analyse the collected data and hardware that software would operate in. Then the student of semester-4, Subhojeet Haldar informed about the scope of GIS in geography. This provides a foundation for mapping and analysis that is used in science and almost every industry. GIS allows users to view, recognise, query, clarify and visualise data in many techniques that reveal relationship patterns in maps reports and charts.

Then lastly, a student of semester-4, Snehal Kumari informed about the scope of remote sensing in Geography. She said that the remote sensing can be used for mapping, surveying land use, and measuring deforestation, the movement of glaciers, the depth of oceans, the movement of ocean currents and the features of cloud in geography. Lastly, the co-convener which is also the assistant professor in geography, Dr. Farzana Anjum concluded the webinar by giving a vote of thanks.

## FYUGP (NEP-2020) STUDENT'S SEMINAR THROUGH POWER POINT PPESENTATION

The Department of Geography, Karim City Conege, Jamshedpur has organised a Student Seminar on 14th December 2022. The Department of Geography has adopted a student seminar to make education digital and to increase interest in education among students.









The students of Semester 1, 2 and 4 gave seminar on the PowerPoint Presentation made by them. Principal Dr. Mohammad Reyaz was the chief guest of the occasion. Principal congratulated the Head of Department, Dr. Aaley Ali for a net the seminar of the Department. The HOD of Geography, Dr. Aaley Ali welcomed the chief set and the gathering and. The teachers of other department Dr. Indrasen Singh, Dr. Tufail Ahmad, Dr. Sashi Prabha, Dr. D.K Singh, Dr. S.K. Sawand and others made the occasion beautiful by their presence. Rocky Das and Falak Naaz of semester -1 gave the seminar on Origin of Earth and Earthquake respectively. Purvasha Singh of semester- 5 made the gathering aware with the importance of Transportation. The education with the audio-visual method easily clears the concept and doubts. The Power Point Presentation was a successful begining. Lastly, the Department teacher Dr. Farzana Anjum showed gratitude towards the chief guest and students and concluded the programme with the vote of thanks.

## STUDENT ENRICHMENT PROGRAM E-WASTE 15 ARENESS

An E-waste company, Kolkata in Collaboration with The Department Geography, Karim City college Jamshedpur & NSS unit of Karim City college Jamshedpur has organised an E-waste awareness programme on 16 December 2022.



Hulladek Chief Business Officer Arjun Singh Gill, Area Manager Harjeet Singh, Marketing Manager Devpreeta, LBSM College teacher Sanjeet, NSS Program Officer Dr. Aaley Ali, NSS Coordinator Syed Sajid Perwaiz were present as chief guests in this program. Hulladek is an e-waste management company which was founded by Nandan Mall in the year 2015. First of all,

the organized program officer Dr. Aaley Ali welcomed all the guests and informed the students about the importance of proper waste management. Arjun Singh Gill, Chief Business Officer of Huladek, gave all the information related to e-waste in which he gave information about e-waste in India. Situation, environmental problems caused by e-waste, formal and informal sources of e-waste, recycling and utilization of waste by Huladek itself etc. were explained in detail. Colleagues also requested all the students to make everyone in the society aware about the disposal of e-waste.

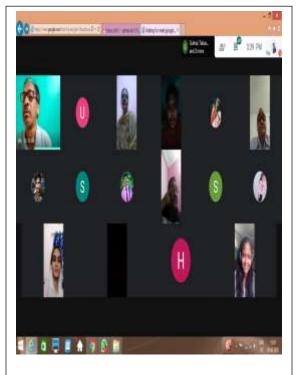
Along with this, information related to e-waste was given to all the students by asking questions related to e-waste, through interactive sessions and by showing videos related to e-waste. In the end, vote of thanks to everyone was given by Sneha Mandal and the program was conducted by Manav Ghosh.

### GUEST - CTURE WORLD ENVIR <sup>17</sup> IENT DAY -2023 Chief Guest: Dr. Dara Singh Gupta NSS Coordinator, Kolhan University, Chaibasa



The NSS Unit and Department of Geography, Karim City College, Jamshedpur has jointly organised a webinar on the occasion of World Environment Day on 5th June 2023. The NSS Coordinator of Kolhan University, Dr. Dara Singh Gupta was the guest speaker on this occasion to throw the light on the theme of the webinar which was 'Mission Life'. The principal of Karim City College, Dr. Mohammad Reyaz was also present in that webinar to make the occasion more efficient. Dr. Dara Singh addressed the students about the importance of environment. All living things in this world depend on the environment for their survival and well-being. Humans rely on the environment for variety of resources including the basic ones which are food, water and air. He also encouraged the students to protect the environment by doing some minimal steps like conserving water and energy at our home and avoid using plastic bags and cups. Then, Dr. Mohammad Reyaz also shared their words to spread knowledge among the students. Pollution, population growth, depletion of natural resources, climate change, and ozone depletion are the deadliest threats to the Environment. He said that as a human being it should be our moral duty to protect our environment. Then, Head of Department of Geography, Dr. Aaley Ali showed gratitude towards the cheif guest, principal and students for their presence in the webinar. Dr. Aaley Ali also encouraged the students to know the actual worth of our precious Environment and how it is necessary for us to conserve it. Surely we have a responsibility to leave for future generations a planet that is healthy and inhabitable by all species. Then, the Co-ordinator of NSS, Karim City College, Syed Sajid Perwaiz concluded the webinar by taking an oath towards the conservation and protection of our Environment. Lastly, the assistant professor of Geography Department, Dr. Farzana Anjum gave a vote of thanks to everyone for their beautiful presence.





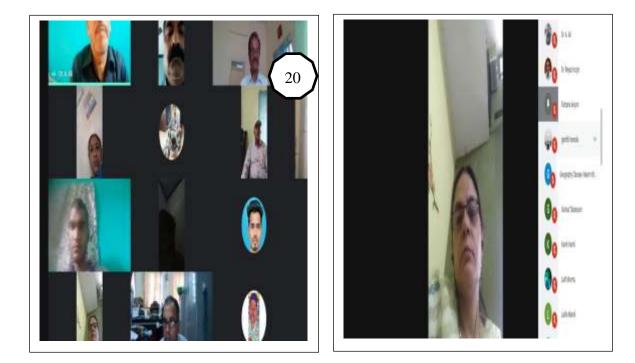
## STUDENTS SEMINAR WORLD O(19) DAY- 2023

The Department of Geography, Karim City College, Jamshedpur has organised a Students Webinar on World Ocean Day on 8th of June 2023. The principal of Karim City College, Dr. Mohammad Reyaz was also present as the guest speaker on that occasion. Firstly the Head of Department of Geography, Dr. Aaley Ali Sir welcomed the gathering beautifully. Then later he acknowledged the students about the importance of ocean that how it regulates our climate and provides the air we breathe. Ocean feeds us and provides jobs and livelihoods.





We need a healthy Ocean to survive. Then the principal of Karim City College, Dr. Mohammad Reyaz addressed the gathering by wishing everyone World Ocean Day. He said that Ocean is a continuous body of salt water that is contained in an enormous basin on Earth's surface. Oceans and their marginal seas cover nearly 71% of the Earth's surface. It is the primary component of the earth hydrosphere and essential to life on Earth.



Ocean produces around 70% of oxygen in the atmosphere. The main reasons of Ocean degradation are destruction of marine habitats and pollution. He said that humans can conserve water and stop direct dumping of waste into the ocean to protect our Oceans from getting polluted. Then the student speakers let the gathering know more about our Oceans. The student of semester 1 , Rocky Das told the about the role of oceans in regulation of climate. Oceans mediate temperature and drive the weather, determining rainfall, droughts and floods. Then Falak Naaz of semester -1 informed about the pollution and conservation of our oceans. The run-off of industrial and domestic waste and the contaminated waste not only affects the ocean but also the marine plants and wildlife. Recycling of plastic cam be a best measure to stop the pollution of ocean. Then the student of semester -3 Meghashree Giri talked about the support that we get from our oceans in the form of food, jobs and livelihoods. Oceans are the engine of

livelihoods, transport, commerce and energy production. It supports jobs in fishing, seafood, leisure and science. Then later, Purwasha Singh of semester-5 gave us the information about the support of oceans in the economy of the whole world. Around 90% of all internationally traded goods are shipped by sea. Oceans also serve as the foundation of supporting sectors from tourism to fisheries to international shipping. Lastly, the assistant professor of Geography Department, Dr. Farzana Anjum concluded the webinar by giving a vote of thanks and showed gratitude towards everyone for their beautiful presence in the webinar.

#### **REMEDIAL CLASSES FOR SLOW LEARNERS**

The Department of Geography at Karim City College in Jamshedpur recognizes the diverse learning needs of its students and is committed to providing support to ensure academic success for all. In line with this commitment, the department offers remedial classes specifically designed for slow learners during both odd and even semesters. These classes aim to address individual learning challenges, enhance understanding of course material, and improve overall academic performance. The faculty members of the Department of Geography are dedicated to creating a supportive and inclusive learning environment where every student has the opportunity to thrive. The remedial classes serve as a valuable resource for students, fostering a sense of academic empowerment and encouraging a positive approach to learning. Through these efforts, the department endeavors to promote academic excellence and ensure that all students, regardless of their initial pace of learning, have the opportunity to succeed in their academic pursuits at Karim City College.

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