ST. XAVIER'S INSTITUTE OF EDUCATION (A) ECO CLUB REPORT 2024-2025 NAAC RE-ACCREDITED A



2024-2025



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Orientation by Vijay Sakpal -Mumbai & Palghar District Coordinator (YEWS Program)

Mumbai Green Club Faculty Coordinators meeting

Record on Online Course on Youth Leadership For Climate Action

UGC Online Session on : Clean Campuses and Cities: Educating for a Greener Tomorrow

SXIE (A) Green Club – Internship School Assemblies Planning Meetings

Cultivating sustainable citizenship through school assemblies - An initiative of SXIE (A) Green Club

Assembly on International Ozone Day

Environment & World Tourism Assemblies



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Safai Bank of India

Research Paper at International Conference

Awareness Campaign on International Water Day

Action Research Theme - Water & Research Paper Presentation

Orientation by Mr. Vijay Sapkal at SXIE (A)



 Attended Green Club Faculty Coordinators meeting on 30th July, 2024 at St. Xavier's College

Green Club Faculty Coordinators Meetings

- Attended Green Club Faculty Coordinators meeting on 28th August, 2024 at Ruia college.
- The assembly highlighted the oftenoverlooked environmental consequences of war, such as soil and water pollution, habitat destruction, and biodiversity loss. Real-life examples like the conflicts in Syria and Ukraine helped students understand the severity and scale of ecological damage.





Online Course on Youth Leadership For Climate Action

Completed by SXIE (A) <u>B.Ed</u>.Batch 2023-2025 & <u>B.Ed</u>. Batch of 2024-2026



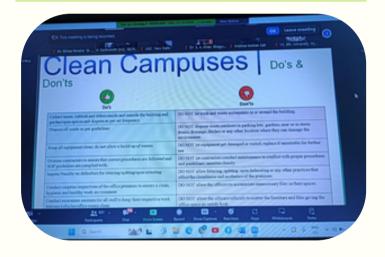
SXIE (A) Green Club School Assemblies (18–30 September 2024)

- From 18th to 30th September, SXIE (A) student-teachers conducted thematic assemblies across Mumbai internship schools on global environmental observances.
- Topics included Clean Air Day, Ozone Day, Food Loss and Waste, World Tourism Day, and World Rivers Day.

 Assemblies combined stories, skits, facts, prayers, and reflective questions to raise awareness and inspire change.

Report of Cultivating Sustainable Citizenship Assemblies in Internship Schools

UGC Online Session on: Clean Campuses and Cities: Educating for a Greener Tomorrow



- Opening and Context Setting: The session began with a welcome address by the Chairman, who emphasized the role of Higher Education Institutions (HEIs) in promoting environmental sustainability and acknowledged UGC's commitment to green initiatives.
- Keynote by Shri P. Narahari Indore's Success Story: Shri P. Narahari shared Indore's journey in becoming India's cleanest city, highlighting core strategies

such as:

- Active public participation and awareness campaigns.
- Efficient waste management infrastructure and systems.
- Source-level waste segregation and recycling practices.
- Regular cleaning drives and community involvement.
- Replicable Model for Campuses and Cities: The insights from Indore's experience provided replicable a model for institutions and municipalities aiming to improve cleanliness and sustainability through planning, civic engagement, consistent action.

SXIE (A) Green Club – Internship School Assemblies Planning Meetings



 Meeting Overview: An online meeting was held on Saturday, August 30th, 2024, at 9:00 PM by GCFC to instruct Green Club members on Save Water Assemblies in internship schools, assign tasks, and appoint student coordinators for effective collaboration. Purpose of Assemblies: The
 assemblies aimed to educate students
 on global issues such as tourism, food
 waste, and river conservation,
 fostering responsible citizenship and
 environmental awareness through
 interactive and informative sessions.

Holy Cross and Fatima High Schools – Ozone Day (16th September, 25th & 28th September)

- Assemblies discussed the importance of Ozone Day and the Montreal Protocol's global impact.
- India's efforts in phasing out CFCs and promoting ozone-friendly technologies were highlighted.
- Causes of ozone depletion like CFCs and industrial pollutants were explained in detail.
- Harmful effects such as UV exposure, damage to marine life, crop yield reduction, and material degradation were discussed.
- Students were urged to adopt eco-friendly habits, avoid harmful chemicals, and reflect on their role in protecting the environment.



Holy Name and Victoria High Schools – World Tourism Day (27th September 2024)

- Assemblies began with a prayer for safe and respectful travel, emphasizing unity and cultural appreciation.
- A fact file highlighted the tourism industry's recovery, challenges, and current trends post-pandemic.
- Student-teachers explored the causes and effects of tourism, including environmental concerns.
- Responsible tourism practices like supporting local businesses and minimizing environmental harm were emphasized.
- The assembly concluded with a reflection on tourism's role in promoting peace and global understanding.



- Students were encouraged to understand their environmental impact and embrace sustainable practices in daily life.
- This initiative reflected SXIE's commitment to cultivating environmentally conscious and responsible future citizens.

Canossa Girls High School – World Tourism Day (27th September 2024)



- The assembly focused on the social, cultural, and economic impact of tourism, presented by SXIE studentteachers.
- Discussions highlighted both the positive outcomes and environmental challenges of tourism.
- Students were encouraged to practice responsible tourism, preserve cultural heritage, and support eco-friendly travel.
- Historical context and real-life examples deepened understanding of tourism's global significance.
- The session aimed to build awareness of tourism as a tool for unity and sustainable development.
- The session aimed to build awareness of tourism as a tool for unity and sustainable development.



Antonio De Souza High School – World River Day (27th September 2024)



- A skit and interactive presentation introduced students to the significance of World Rivers Day.
- Discussions focused on river pollution, its causes, and its impact on ecosystems, supported by data and case studies.
- Emphasis was placed on individual responsibility and sustainable water management practices.
- Reflective Prarthna songs helped students emotionally connect with the theme of river conservation.
- The assembly reinforced the need to protect rivers as vital life sources for both humans and the environment.
- Student **Activities** Engagement: were structured include to prayers, stories, discussions, data sharing, and pledges, emotional intellectual ensuring and from engagement students participating schools.
- Outcome and Impact: The assemblies effectively raised awareness on environmental and social issues, encouraged sustainability, and inspired students to become proactive, responsible global citizens.

St. Paul's School – Food Wastage Awareness (28th September 2024)

- A story of a boy's visit to an orphanage highlighted the emotional impact of food wastage.
- Students were encouraged to reflect on gratitude for mid-day meals and mindful consumption habits.
- The discussion highlighted disparities in food access and the importance of reducing waste.
- A hymn reinforced compassion and empathy, promoting a culture of care and sharing.
- The assembly left a strong impression about valuing food and being considerate in everyday choices.



St. Sebastian High School – International Day of Food Loss and Waste (28th September 2024)

 The assembly opened with a story showing the real-life impact of food waste.

- Student-teachers discussed global food wastage statistics, its causes, and practical ways to reduce it.
- Suggestions included meal planning, composting, and mindful consumption.
- A closing prayer and student pledge instilled a sense of hope and responsibility.
- The event encouraged students to reflect on their food habits and commit to minimizing waste.



Seed Ball Planting: 12th August 2024, SXIE (A)



 On 12th August 2024, SXIE initiated a Green Club activity to promote afforestation and environmental awareness.

- Principal Dr. Andrea Coutinho introduced the concept of seed balls and explained their importance and method of sowing.
- Ms. Ruchika Lonare, a second-year B.Ed. student, distributed seed balls to all participants for plantation in their local areas.
- The event witnessed enthusiastic participation from teachers, students, and the principal, fostering a collective spirit of environmental care.
- The initiative successfully promoted biodiversity and a sense of responsibility toward the environment through a simple yet meaningful action.





Impact of Assemblies Conducted in Internship School



- The assemblies were impactful in sensitizing students to urgent global environmental issues.
- Creative methods such as stories, prayers, skits, and facts made the content engaging and memorable.
- Students were encouraged to adopt sustainable habits and become environmentally responsible citizens.
- These initiatives demonstrated how education can shape a more thoughtful, compassionate, and sustainable future.
- SXIE's efforts empowered young minds to contribute meaningfully to environmental conservation and social awareness.





Preventing the Exploitation of the Environment in War and Armed Conflict

On 13th December 2024, an assembly on Preventing the Exploitation of the Environment in War and Armed Conflict was conducted at MPH, St. Xavier's Institute of Education (A) Time: 8:00 am to 8:30 am

OBJECTIVES

- Raise awareness about the extensive environmental degradation caused by wars and armed conflicts.
- Highlight the global response, particularly the role of the United Nations and its Environment Programme (UNEP), in addressing ecological destruction in war-torn regions.
- Encourage critical engagement among student-teachers on how environmental education can intersect with themes of peace, sustainability, and global responsibility.

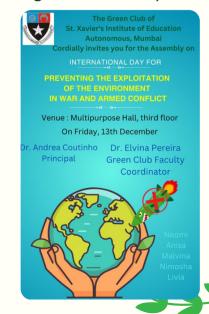


Presenters: F.Y.B.ED Students

INSIGHTS

The assembly highlighted the oftenoverlooked environmental consequences of war, such as soil and water pollution, habitat destruction, and biodiversity loss. Real-life examples like the conflicts in Syria and Ukraine helped students understand the severity and scale of ecological damage.

Participants gained awareness of the United Nations' efforts, especially through UNEP, in environmental recovery and policy-making. The event encouraged student-teachers to reflect on their future role in integrating environmental education into their classrooms, promoting peace, and fostering sustainability.





WORLD TOILET DAY ASSEMBLY



OBJECTIVES

- To create awareness about the sanitation crisis globally.
- To emphasize the importance of proper sanitation for health, dignity, and environmental sustainability.
- To encourage students to take an active role in promoting safe hygiene practices in their communities.



On 14th December, 2024, an assembly was conducted on World Toilet Day at MPH.



INSIGHTS

The Assembly emphasized the urgency of addressing the sanitation gap affecting over 3.6 billion people globally. The program fostered a sense of responsibility among future educators to act as changemakers, advocate for sustainable practices, and lead hygiene awareness campaigns within communities. It was a step towards breaking taboos, sparking dialogue, and aligning with SDG 6 – Clean Water and Sanitation.



Presenters: F.Y.B.ED Students

Safai Bank of India



Since 2019, St. Xavier's Institute of Education (Autonomous), Mumbai has collaborated with the Safai Bank of India, founded by Mr. Rishi Aggarwal of the Mumbai Sustainability Centre. The initiative focuses the on responsible collection and of Multi-Lavered management Packaging (MLP) waste through awareness and action in schools.

Activities:

 As part of our Semester III Internship Program, SXIE (A) student-teachers implemented Safai Bank's waste management campaign in Mumbai schools during Waste Management Awareness Week.

SAFAI BANK OF INDIA
Founded by
Mr. Rishi Aggarwal,
Mumbai Sustainability CentreSafai Bank of India
Managing Multi-Layered
Packaging (MLP) Waste



Outcomes:

- Over 2000+ MLPs were collected within one week from three schools.
- Student-teachers conducted awareness sessions and guided students in collection drives.
- Schools involved included St. Paul High School and St. Teresa's High School.
- Support and Acknowledgment: The effort was supported by Dr. Elvina Pereira and was recognized by Safai Bank of India on social media. The initiative was promoted with the message: "Don't bin it. Bank it."



Safai Bank of India added 7 new photos. 9 Oct 2019 at 11:16 PM \cdot \bigcirc

St. Xavier's Institute of Education, Mumbal in collaboration with Safai Bank of India, has taken up the initiative under their Best Practice- Waste Management.

The student teachers during their III Semester Internship Program introduced Safai Bank through Waste Management Awareness Week in various internship schools of Mumbai.

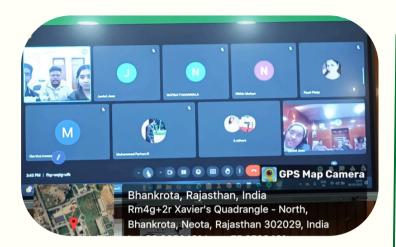
Today with their support we collected 2000+ MLPs from 3 schools in Mumbai. The school students under the guidance of SXIE's student teachers collected it within a period of 1 week.

Thank you so much, Dr. Elvina Pereira, for your constant support and all the student teachers for the efforts.

#dontbinitbankit #Safaibankofindia #wastemanagement #beatplasticpollution



Participation in International Conference on "Sustainability and AI in a VUCA world: An Interdisciplinary Approach towards Viksit Bharat Research Paper Title: Solid Waste Management in the VUCA World



OBJECTIVES OF THE RESEARCH:

- Examine the growing challenges of solid waste management in the context of a VUCA (Volatile, Uncertain, Complex, Ambiguous) world, especially within rapidly urbanizing nations like India.
- Explore the potential of Artificial Intelligence (AI) in improving the efficiency and sustainability of waste collection, sorting, and recycling processes.
- Analyze the ethical, economic, and social implications of AI integration in solid waste management, emphasizing the importance of human labor retention and decentralized models like that of the Safai Bank of India.

FINDINGS OF THE RESEARCH:

The research highlighted how the unpredictability of modern urban life necessitates innovative strategies to manage solid waste efficiently. Discussions focused on Al-powered predictive analytics and robotic systems capable of handling hazardous waste, thereby minimizing human exposure to unsafe environments.

SAFAI BANK OF INDIA
Founded by
Mr. Rishi Aggarwal,
Mumbai Sustainability CentreSafai Bank of India
Managing Multi-Layered
Packaging (MLP) Waste

Through a case study of the Safai Bank of India, participants observed the practical benefits of decentralized waste management.

Emphasis was placed on community participation, data-driven decision-making, and sustainable practices that align with ethical employment concerns.

The research also encouraged participants to think critically about the dual role of Al—both as a tool for optimization and a potential disruptor to traditional labor markets. The importance of policy frameworks and vocational training programs was stressed to ensure a balanced integration of Al in future environmental practices.







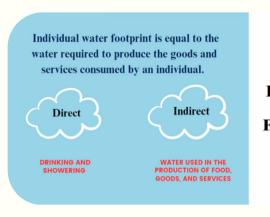
RAIZEL REBELLO



PRAVEEN MINJ

Awareness Campaign on International Water Day





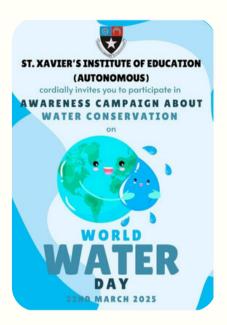




OBJECTIVES

- To promote practical water-saving habits at home, school, and in the community.
- To raise awareness about the impact of pollution, climate change, and overuse on freshwater availability.
- To encourage sustainable practices such as rainwater harvesting, water audits, and wastewater recycling.
- To align the campaign with SDG 6 (Clean Water and Sanitation) and reinforce the message of water as a human right.





INSIGHTS

- Many participants were unaware that India is the largest extractor of groundwater, leading to critical depletion levels.
- Simple actions like turning off taps or using buckets instead of showers were recognized as powerful yet easy ways to save water.
- The campaign instilled a collective sense of responsibility and commitment towards protecting water resources for future generations.







Presenters: F.Y.B.ED Students



T. XAVIER'S INSTITUTE OF DUCATION (AUTONOMOUS)

VATION? HEANS USING WATER EFFICIENTLY TO REDUCE UNNECESSARY WASTE. IT WATER RESOURCES, MANAGING SUPPLY AND DEMAND. AND ENSURING FUTURE GENERATIONS.

WE CELEBRATE WORLD WATER DAY?
WATER DAY IS OBSERVED EVERY YEAR ON MARCH 22 TO HIGHLIGHT THE IMPORTANCE OF ATER. IT WAS ESTABLISHED BY THE UNITED NATIONS IN 1993.
WATER DAY 2025 THEME: "WATER FOR PEACE"
ME EMPHASIZES THAT WATER SCARCITY CAN LEAD TO CONFLICTS AND COOPERATION ATER RESOURCES CAN PROMOTE GLOBAL PEACE AND STABILITY.
RECOGNIZES WATER AS A HUMAN RIGHT, AND MANAGING IT FAIRLY CAN REDUCE ITIES AND PREVENT WATER WARS.

NABLE DEVELOPMENT GOAL (SDG) 6: CLEAN WATER AND SANITATION ENSURE ACCESS TO SAFE, AFFORDABLE DRINKING WATER AND SANITATION FOR ALL BY

OR WASHING HANDS (SAVES 6 LITERS PER MINUTE). DWER (SAVES 50 LITERS PER BATH). SMALL LEAK CAN WASTE 15 LITERS DAILY).

TAPS (A SMALL LEAK CAN WASTE 15 LITERS DAILY).
PLACES:
RVESTING SYSTEMS.
ROUGH CAMPAIGNS AND POSTERS.
S TO TRACK WASTAGE.
DUSTRIES:
STEAD OF FLOOD IRRIGATION (SAVES 50% WATER).
FOR NON-DRINKING PURPOSES.

Vorld Water Day 2025



World Water Day Pledge

"We, the students of St. Xavier's Institute of Education, Autonomous recognize that water is a precious and limited resource essential for life, the environment, and future generations. On this World Water Day, we pledge to take responsibility and contribute to a sustainable future by committing to the actions like: Use Water Wisely, Reduce Water Waste, Promote water recycling and Rainwater Harvesting, Keep Water Sources clean and refrain from actions which leads to water pollution, Take active part in spreading awareness among peers, co-workers, families, and communities, support and advocate Sustainable Policies at local, national, and global levels.

With this pledge, we commit ourselves to being responsible stewards of water conservation ensuring every drop counts. Together, we can create a future where clean water is available for all."

Save Water, Secure the Future!





SXIE (A) ECO CLUB

DR.ANDREA COUTINHO
(PRINCIPAL)

DR. ELVINA PEREIRA
(GREEN CLUB FACULTY CO-ORDINATOR)

Meseire

SXIE (A) B.ED. BATCH 2023-2025 OFFICE BEARERS

- Ms. Shaikh Saidunnisa
- Br. Infant Leonard
- Mr. Nadar Madhavan
- Ms. Marti Rivekta
- Mr. Minj Praveen
- Ms. Gonsalves Melinda
- Mr. Jade Fernandes
- Rahul Pereira

SXIE (A) B.ED. BATCH 2024-2026

- Ms. Komal Kotiya
- Ms. Christine Mendonsa
- Ms. Caren Costa
- Ms. Elvina Mascarenhas
- Ms. Dolours Nadar
- Ms. Anisa Nadar
- Ms. Malvina Nadar
- Ms. Nimosha Stanislaus
- Ms. Janhavi Gowda
- Ms. Neomi Raj
- Ms. Pranita Hadawale
- Mrs. Seema Menon
- Ms. Shania Figueredo
- Ms. Shradhha Kota
- Ms. Tasneem Khadkiwala
- Ms. Yashvi Sethiya
- Ms. Livia Soares
- Ms. Alisha Fernandes



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ACTION RESEARCH PROJECT ON THE THEME WATER 2024-2025



Timeline

A Study Of The Perceptions
Of People With Reference To
The Parameters Of Water
Supply

Towards Sustainable Water Management: A Study On Awareness & Practices In Urban Contexts

Table of Contents

Water Conservation, Water Pollution and Education

Impact of Interactive Booklet on Water Conservation Education and Advocacy among Student-Teachers

A Study On Awareness Of Water Pollution Amongst Secondary School Students In Greater Mumbai District

A Study to measure the impact of water conservation among secondary school students through Open Educational Resources (OER)



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Action Research Timeline

Orientation and Suggestion of Themes:

Planning - Nov'24

- **Water pollution**
- **Water quality**
- Water security
- Regional water availability

Water modelling and forecasting

- assessment
- Water and sustainability Rainwater harvesting
- Water supply in rural areas
- **Water Recycling and Water Conservation**

Guidance from respective Coaches:

- Allotment of Groups
- Finalising the Themes
- Working on the Survey and Research Methods
- Areas and Scope of Research

Action Research Groups and Preparation Dec'24 - Jan'24



Data Collection and Data Analysis - Feb'24 - Mar'24

Data collection:

- Water audit in rural areas
- Water analysis in St. Xavier's College
- Surveys in Internship Schools
- Online modes and more

Implementation & Research Paper Presentation - April' 24

Prof. Dr. Vini Sebastian

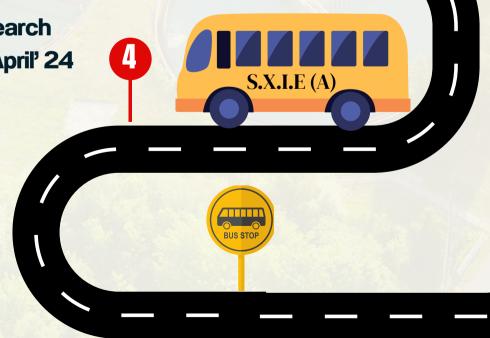
Dr., Elvina Pereira

Prof. Dr. Shadab Paloji

Dr.. Kalpana Chavan

Ms. Nishi Kumar

Dr., Priti S.



A STUDY OF THE PERCEPTIONS OF PEOPLE WITH REFERENCE TO THE PARAMETERS OF WATER SUPPLY

Team Members:

- 1. Unnati Badgotri
- 2. Charlotte Cabral
- 3. Sara Dsouza
- 4. Nidhi Makwana
- 5. Madhavan Nadar
- 6. Kriteeka Pandya
- 7. Prajakta Sargar
- 8. Saidunnisa Shaikh

Guided by: Prof. Dr. Vini Sebastian

OBJECTIVES OF THE STUDY

- To understand villagers' perceptions of water supply quality and issues.
- To scientifically test and validate local water quality parameters.
- To identify gaps between perception and actual water quality.

- Mismatch (Uplat, Malad East): Perceived water safety often differed from actual test results showing high TDS, salinity, or hardness.
- Self-Reliance (Talasari, Malad East): Communities depend on borewells, handpumps, and private storage with strong conservation habits.
- Gender Impact (Khare): Water collection by women and children affects health and school attendance.
- Irregular Supply (Uplat, Talasari): Government water supply is erratic, leading to low trust and moderate satisfaction.
- Low Awareness (Patilpada, Virar): Poor understanding of water safety standards and available government schemes.

TOWARDS SUSTAINABLE WATER MANAGEMENT: A STUDY ON AWARENESS & PRACTICES IN URBAN CONTEXTS

Team Members:

- 1.Binitta Mathew
- 2. Angela Falcao
- 3. Glory Joy
- 4. Melinda Gonsalves
- 5. Saleha Khan
- 6. Venisa Lopes
- 7. Hetvi Savla
- 8.Leenisha Solanki
- 9. Vincy Rajamony

Guided by: Dr. Elvina Pereira



OBJECTIVES OF THE STUDY

- To assess awareness levels of urban residents regarding water scarcity and sustainable management practices.
- To analyze knowledge and behavior related to water conservation, recycling, and harvesting.
- To identify challenges and suggest actionable strategies for improved water management.

• Rainwater Harvesting

Viewed as effective but underused due to lack of infrastructure and low awareness.

Water Recycling

Understood conceptually, but safety concerns limit its practical adoption.

• Urban Development

Public supports mandatory sustainable water systems in new construction.

Behavioral Change

Small daily actions (e.g., turning off taps) can have a large impact if reinforced through education.



WATER CONSERVATION, WATER POLLUTION AND EDUCATION

Team Members:

- 1.Infant Leonard
- 2. Rowena Kinny
- 3. Rachel Lopes
- 4. Sakshi Maurya
- 5. Athira Nair
- 6. Jaclyn Rocha
- 7. Muskan Siddique
- 8. Vibha Wagh

Guided by: Dr. Shadab Paloji



OBJECTIVES OF THE STUDY

- Integration of ICT and Water Education.
- Storytelling and Folk Traditions.
- School Infrastructure, WASH Awareness and Water Sustainable Management.
 (In Secondary School Mumbai and comparative analysis of two metropolitan cities).
- Random Sampling Technique with Pre and Post-test at Internship schools.

- Delving into India's culture bridges the gap between academia and real-world.
- Use of digital apps, websites create interest and raises awareness.
- Water access, WASH awareness and more initiative programs to create awareness among the students and need on sustainable water management

IMPACT OF INTERACTIVE BOOKLET ON WATER CONSERVATION EDUCATION AND ADVOCACY AMONG STUDENT TEACHERS

Team Members:

- 1. Sania Coelho
- 2. Riya Crasto
- 3. Ruchika Lonare
- 4. Milka Lopes
- 5. Marina Kumar
- 6. Rivekta Marti
- 7. Praveen Minj
- 8. Susan Rodrigues

Q.13. Have you personally taken any action to reduce water wastage at home or school?

Q.14. If you notice a leaking tap in a public place, what are you most likely to do?

Q.15. How when do you practice water-saing habits at home is grained and the property of the prop

Guided by: Dr. Kalpana Chavan

OBJECTIVES OF THE STUDY

- To develop awareness about water conservation issues at local and global levels.
- To encourage daily water-saving practices among student teachers.
- To improve knowledge of sustainable water management.
- To promote community-based water conservation advocacy.

- Improved awareness of both local and global water crises.
- Increase in daily water-saving habits post-intervention.
- Positive attitude shift towards sustainable water use.
- Greater knowledge of conservation techniques and practices.
- Transition from individual efforts to active community involvement.
- Handbook link: https://tinyurl.com/2vvbfz2v

A STUDY ON AWARENESS OF WATER POLLUTION AMONGST SECONDARY SCHOOL STUDENTS IN GREATER MUMBAI DISTRICT

Team Members:

- 1. Reeva Mascarenhas
- 2. Erica Almeida
- 3. Andrews Jacob
- 4. Nidhi Bheda
- 5. Amaryllis Cardoza
- 6. Sionna D'Cunha
- 7. Eleen Morgan
- 8. Raizel Rebello

Guided by: Ms. Nishi Kumar



OBJECTIVES OF THE STUDY

- To assess the awareness level of secondary school students on water pollution.
- To implement intervention strategies that enhance awareness.
- To evaluate the effectiveness of educational activities through post-test analysis.
 - High Awareness, Low Participation: Students are aware but seldom involved in water pollution campaigns.
 - Willingness to Act: 100% of students expressed readiness to act post-intervention.
 - Knowledge Gaps: Students understand basic issues but face difficulty with complex ones like non-point source pollution.
 - Grade-Level Insight: Awareness levels are similar in Grades 5 and 8, supporting early education's role.
 - Gender-Based Observation: Among boys, water wastage is sometimes linked to social status or peer pressure.
 - Student-Suggested Laws: Innovative ideas included strict laws, CCTV usage, and pollution-monitoring robots.

A STUDY TO MEASURE THE IMPACT OF WATER CONSERVATION AMONG SECONDARY SCHOOL STUDENTS THROUGH OPEN EDUCATIONAL RESOURCES (OER)

Team Members:

- 1.Romila Aruj
- 2. Jade Fernandes
- 3. Arwa Gheewala
- 4. Jason Samuel
- 5. Anushree Nayak
- 6. Rahul Pereira
- 7. Priti Shah
- 8. Sanika Tambat

Open Educational Resources (OER)





Guided by: Dr. Priti Sivaramakrishnan

OBJECTIVES OF THE STUDY

- To study the impact of water conservation among secondary school students on the basis of schools.
- To study the impact of water conservation among secondary school students on the basis of age.

- The study reveals that there is no difference in the impact of water conservation among secondary school students on the basis of schools as well as age.
- Storytelling group scored highest (mean 8.64), followed by gamification (7.12), with lecture lowest (5.11).
- Gamification led to the largest average reduction (190 units), storytelling next (140 units), lecture minimal (10 units).
- Storytelling and Gamification showed significantly better outcomes than lecture (p < .01).

ST. XAVIER'S INSTITUTE OF EDUCATION, AUTONOMOUS RESEARCH AND DEVELOPMENT CELL 2024-2025

DR.ANDREA COUTINHO
(PRINCIPAL)

DR. ELVINA PEREIRA & DR. SHADAB PALOJI (R & D FACULTY CO-ORDINATOR)