



ST. ALOYSIUS' COLLEGE

AUTONOMOUS
JABALPUR- 482001
MADHYA PRADESH, INDIA

CRITERION-7

INSTITUTIONAL VALUES AND BEST PRACTICES

Key Indicator – 7.1

Institutional Values and Social Responsibilities

Metric No.: 7.1.4

Environment Consciousness and Sustainability



Document Name

Awareness Programs on Saving
Narmada River



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(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Environmental Consciousness and Sustainability

7.1.4 Water conservation facilities available in the institution

Saving Narmada river

Every year on World Ocean Day, the National Cadet Corps (NCC) both Army and Naval wing at Aloysius College organizes a cleanliness drive in Gwarighat, Jabalpur, a location revered for its religious significance along the banks of the Narmada River, considered a pious river in Hinduism. The theme of the event, "Save Water," emphasizes the importance of water conservation and the need to protect our water bodies from pollution. During the drive, NCC cadets actively engage in cleaning the riverbank, removing plastic and other waste materials, and raising awareness among the local community about the adverse effects of pollution on aquatic ecosystems. The event also includes educational activities that highlight the critical role of oceans and rivers in maintaining ecological balance and supporting life on Earth. Through these efforts, the NCC aims to instill a sense of responsibility and commitment towards environmental sustainability among students and the broader community, reinforcing the message that every individual's actions can contribute to the preservation of our planet's precious water resources.



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Glimpses of activities held (Sample)



**Puneet Sagar
Abhiyan
(2019)**

**Save water Abhiyan
(2019)**





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GPS Map Camera
4W4G+GJG, Gwarighat, Jabalpur, Madhya Pradesh 482008, Jabalpur, India
Latitude 23.15385239 Longitude 79.952895290
GMT 11:50:02AM Friday, 25 September 2020

Safai Abhiyan

(2020)



GPS Map Camera
4W4G+GJG, Gwarighat, Jabalpur, Madhya Pradesh 482008, Jabalpur, India
Latitude 23.15385240 Longitude 79.952895290
GMT 10:30:25AM Saturday, 12 September 2022

Safai Abhiyan

(2022)



GPS Map Camera
4W4G+GJG, Gwarighat, Jabalpur, Madhya Pradesh 482008, Jabalpur, India
Latitude 23.15385242 Longitude 79.952895240
GMT 10:38:30AM Saturday, 12 September 2022



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Awareness on Water Conservation in Gwarghat (2023)





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Webinar on "Effect of Climate Change on Lower Marine Organisms and Their Response to Combat

Date: 23rd September 2023

Organized by: Department of Zoology

Speaker: Dr. Kesav Priyan Ramsamy, Senior Research Engineer, Department of Ecology and Environmental Sciences, Umeå University, Sweden

Participants: 52

Key Points Discussed:

Dr. Kesav Priyan Ramsamy presented a detailed analysis of the impact of climate change on marine ecosystems, with a particular emphasis on lower marine organisms such as plankton and corals. He highlighted how these organisms are adversely affected by rising sea temperatures and increased ocean acidification, and how they are adapting to these changes.

Significance and Implications:

The speaker underscored the importance of understanding these changes as essential to developing effective strategies for water conservation and environmental protection. The resilience of marine life and the complex challenges posed by climate change were central themes of the discussion.

Conclusion: The webinar provided a comprehensive overview of critical environmental issues affecting marine life and stressed the urgent need for concerted conservation efforts. It was an educational experience that enhanced the participants' understanding of the ecological impacts of climate change and the importance of sustaining our marine ecosystems.



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Energy transfer in ecosystem

Primary source of energy: Sunlight.
Primary producers or autotrophs: Gain energy from sunlight, requires nutrients N, P, S.
Examples: Phytoplankton, Algae

Types of phytoplankton

Primary consumers: Zooplankton, small fish, shrimps, sea urchins, some snails, some crabs, green sea turtle, herbivorous fish, whales
Secondary consumers: Carnivorous fish, seals, sea stars, whales, squid, some crabs, lobsters
Tertiary consumers: Dolphins, sharks, killer whales, some sea birds.

Ocean Food Chain

Diagram illustrating energy flow from producers (Phytoplankton) to various levels of consumers (Zooplankton, Carnivorous fish, etc.).

Climate change

- Climate change refers to long-term shifts in temperatures and weather patterns.
- In other term "it is the ongoing increase in global average temperature and its effects on Earth & climate system"
- Concept of climate change raised from 1800.

CORAL BLEACHING

How increase in temperature affects corals

- Corals are sensitive. Close kinships of the phyton eaters.
- Moving up of thousands to thousands of tiny coral creatures called polyps (Coral reefs)

Map of India showing coral reefs.

Diagram illustrating coral bleaching.

1:21 PM | Webinar on "Effect of climat..."