

# St. Xavier's College, Mahuadanr Latehar- 822119, Jharkhand

## Crosscutting issues addressed in the Curriculum: Environment and Sustainability

Sl. No	Courses integrated in Curriculum	Programme	Enrichment provided	Link
1.	Environment Studies and Ethics	B.A./B.Sc./ B. Com.	Students explore strategies and approaches for conserving biodiversity, managing natural resources sustainably, and promoting environmental sustainability. Students also explore the ethical dimensions of ecological and environmental issues, including the responsibilities of individuals and society towards the environment and future generations.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/1.%20Enviornmentl%20Studies%20&amp;%20Ethics.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/1.%20Enviornmentl%20Studies%20&amp;%20Ethics.pdf</a>
2.	Climatology and Oceanography Geography	B. A. Geography	Students develop a sense of environmental responsibility and an understanding of the interconnectedness between climate, oceans, and human activities.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/2.%20Climatology%20&amp;%20Ocenogra phy.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/2.%20Climatology%20&amp;%20Ocenogra phy.pdf</a>
3.	Geomorphology	B. A. Geography	This exposure will help students understand the practical applications of geomorphology in fields such as environmental planning, natural resource management, or hazard assessment.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/3.%20Geomorphology.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/3.%20Geomorphology.pdf</a>
4.	Forestry and Wild Life	B. A. Geography	The course emphasizes the importance of ethical and sustainable practices in forestry and wildlife management. Students explore the ethical dimensions of wildlife conservation, human-wildlife conflict resolution, and the rights of indigenous	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/4.%20Forestry%20&amp;%20wildlife.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/4.%20Forestry%20&amp;%20wildlife.pdf</a>

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			and local communities.	
5.	Environmental Studies	B. A./B. Sc./B. Com.	Students gain a broad understanding of key environmental issues and challenges facing our planet, such as climate change, biodiversity loss, pollution, resource depletion, and sustainability.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/5.%20Enviornmental%20Studies.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/5.%20Enviornmental%20Studies.pdf</a>
6.	Environmental Conservation	B. A. History	Students explore the ethical dimensions of environmental conservation, considering the cultural, social, and economic aspects of conservation efforts and the relationship between humans and the natural world.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/6.%20Environmental%20Conservtion.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/6.%20Environmental%20Conservtion.pdf</a>
7.	Environmentalism	B. A. Political Science	Environmentalism topic explores the ethical dimensions of environmental issues. Students learn about environmental justice, ethical responsibilities towards nature and future generations, and the impact of human activities on vulnerable communities.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/7.%20Environmentalism.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/7.%20Environmentalism.pdf</a>
8.	Hydrology	B. A. Geography	Hydrology discusses the ethical dimensions of water rights, equitable access to water resources, and the social and environmental impacts of hydrological projects.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/8.%20Hydrology.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/8.%20Hydrology.pdf</a>

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9.	Environmental Geography	B. A. Geography	Encourage critical thinking about the ethical and social aspects of environmental issues. Foster discussions on environmental justice, equity, indigenous knowledge systems, and cultural perspectives on the environment. Help students develop empathy and a sense of responsibility towards the environment and diverse	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/9.%20Environmental%20geography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/9.%20Environmental%20geography.pdf</a>
10.	Biogeography	B. A. Geography	It fosters critical thinking, spatial analysis skills, and an appreciation for the interconnectedness of organisms and their environments.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/10.%20Biogeography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/10.%20Biogeography.pdf</a>
11.	Agricultural Geography	B. A. Geography	Students develop an understanding of sustainable agricultural practices and the importance of balancing productivity with environmental conservation. They explore topics such as organic farming, precision agriculture, agro ecology, and the role of technology in promoting sustainable agriculture.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/11.%20Agricultural%20Geography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/11.%20Agricultural%20Geography.pdf</a>
12.	Resource Geography	B.A. Geography	Students understand the exploitation of natural resources can affect the environment and exploring methods to assess and mitigate these impacts.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/12.%20Resource%20Geography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/12.%20Resource%20Geography.pdf</a>
13.	Geography of India	B. A. Geography	Students will understand the economic activities and resources of India, including agriculture, industry, trade, and services, and how they contribute to the country's development.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/13.%20Geography%20of%20India.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/13.%20Geography%20of%20India.pdf</a>

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14.	Geography of Jharkhand	B. A. Geography	Students will analyze the environmental issues facing Jharkhand, such as deforestation, mining, and conservation efforts	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/14.%20Geography%20of%20Jharkhand.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/14.%20Geography%20of%20Jharkhand.pdf</a>
15.	Economic Geography	B. A. Geography	Student understands the interaction between economic activities and the environment, and exploring strategies for sustainable development.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/15.%20Economic%20geography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/15.%20Economic%20geography.pdf</a>
16.	Population Geography	B. A. Geography	Students explore the relationship between population dynamics and environmental issues, including resource consumption, pollution, and ecological footprints.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/16.%20Popultion%20geography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/16.%20Popultion%20geography.pdf</a>
17.	Urban Geography	B. A. Geography	The course addresses the environmental challenges faced by cities, such as pollution, climate change, and sustainability practices.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/17.%20Urban%20geography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/17.%20Urban%20geography.pdf</a>
18.	Biogeography	B. A. Geography	Students learn the conservation significance of biogeographic patterns and the importance of preserving biodiversity hotspots and critical ecosystems.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/18.%20Biogeography.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/18.%20Biogeography.pdf</a>
19.	Economic Botany	B. Sc. Botany	Students know about contemporary issues and challenges related to economic botany, such as climate change impacts on plant species, loss of biodiversity, and the ethics of bioprospecting.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/19.%20Economic%20Botany.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/19.%20Economic%20Botany.pdf</a>
20.	Plant Ecology and Phytogeography	B. Sc. Botany	Students Understand the importance of plant biodiversity and the role of phytogeography in conservation efforts to protect and manage plant species and ecosystems.	<a href="https://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/20.%20Plant%20ecology%20&amp;%20phytopathology.pdf">https://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/20.%20Plant%20ecology%20&amp;%20phytopathology.pdf</a>

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21.	Horticultural Practices & Post Harvest Technology	B. Sc. Botany	Students learn to focus on minimizing environmental impact, conserving resources, and promoting biodiversity. They will learn about organic farming, integrated pest management, and eco-friendly cultivation techniques.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/21.%20Horticulture.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/21.%20Horticulture.pdf</a>
22.	Plant Breeding	B. Sc. Botany	Students understand the importance of sustainable agriculture and how plant breeding can contribute to sustainable food production.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/22.%20Plant%20breeding.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/22.%20Plant%20breeding.pdf</a>
23.	Biodiversity	B. Sc. Botany	Students understand the ethical dimensions of biodiversity conservation and recognize the importance of sustainable practices for future generations.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/23.%20Biodiversity.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/23.%20Biodiversity.pdf</a>
24.	Plant Ecology and Taxonomy	B. Sc. Botany	Students understand the implications of human activities on plant communities and ecosystems.	<a href="http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/24.%20Plant%20ecology%20&amp;%20taxonomy.pdf">http://www.sxcm.co.in/criteria_1/1.3.1/4.Environment%20&amp;%20Sustainability/24.%20Plant%20ecology%20&amp;%20taxonomy.pdf</a>

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# St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

**Link for the supporting documents**

Sl. No.	Supporting Documents	Link
<b>CERTIFICATES</b>		
1.	District Green Champion	<a href="https://www.sxcm.co.in/AAA/District%20Green%20Champion%20Award.pdf">https://www.sxcm.co.in/AAA/District%20Green%20Champion%20Award.pdf</a>
2.	Green Audit	<a href="https://www.sxcm.co.in/AAA/GreenAudit.pdf">https://www.sxcm.co.in/AAA/GreenAudit.pdf</a>
3.	Environment Audit	<a href="https://www.sxcm.co.in/AAA/EnvironmentAudit.pdf">https://www.sxcm.co.in/AAA/EnvironmentAudit.pdf</a>
4.	Energy Audit	<a href="https://www.sxcm.co.in/AAA/EnergyAudit.pdf">https://www.sxcm.co.in/AAA/EnergyAudit.pdf</a>
5.	Ecological Awareness	<a href="https://www.sxcm.co.in/AAA/EcologicalAwarenessProgram.pdf">https://www.sxcm.co.in/AAA/EcologicalAwarenessProgram.pdf</a>
<b>AUDITS</b>		
6.	Green Audit	<a href="https://www.sxcm.co.in/audits/Greenaudit.pdf">https://www.sxcm.co.in/audits/Greenaudit.pdf</a>
7.	Environment Audit	<a href="https://www.sxcm.co.in/audits/Environmentaudit.pdf">https://www.sxcm.co.in/audits/Environmentaudit.pdf</a>
8.	Energy Audit	<a href="https://www.sxcm.co.in/audits/Energyaudit.pdf">https://www.sxcm.co.in/audits/Energyaudit.pdf</a>
<b>POLICIES</b>		
9.	Green Campus Policy	<a href="https://www.sxcm.co.in/Policy/GREENCAMPUS.pdf">https://www.sxcm.co.in/Policy/GREENCAMPUS.pdf</a>
10.	Environment Policy	<a href="https://www.sxcm.co.in/Policy/ENVIRONMENTAL.pdf">https://www.sxcm.co.in/Policy/ENVIRONMENTAL.pdf</a>
11.	Water Conservation Policy	<a href="https://www.sxcm.co.in/Policy/WATERCONSERVATION.pdf">https://www.sxcm.co.in/Policy/WATERCONSERVATION.pdf</a>
12.	Energy Management Policy	<a href="https://www.sxcm.co.in/Policy/ENERGYMANAGEMENT.pdf">https://www.sxcm.co.in/Policy/ENERGYMANAGEMENT.pdf</a>

**ENVIRONMENT AND SUSTAINABILITY**  
**AWARENESS PROGRAMMES/ ACTIVITIES**

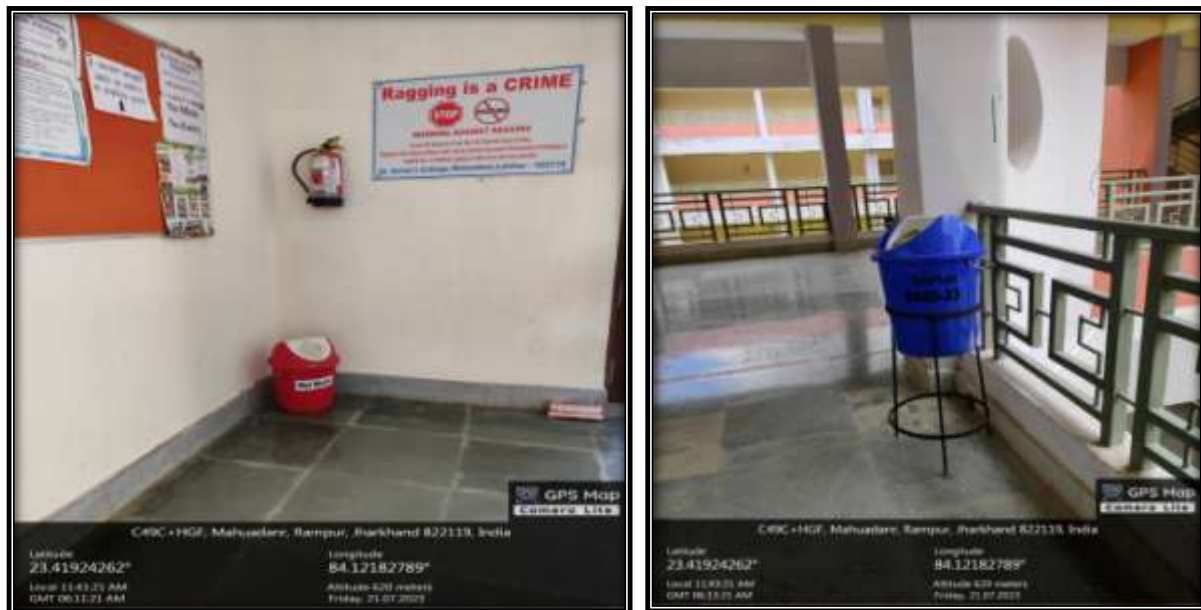


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## Botanical/Herbal Garden



## Waste collection and disposal system



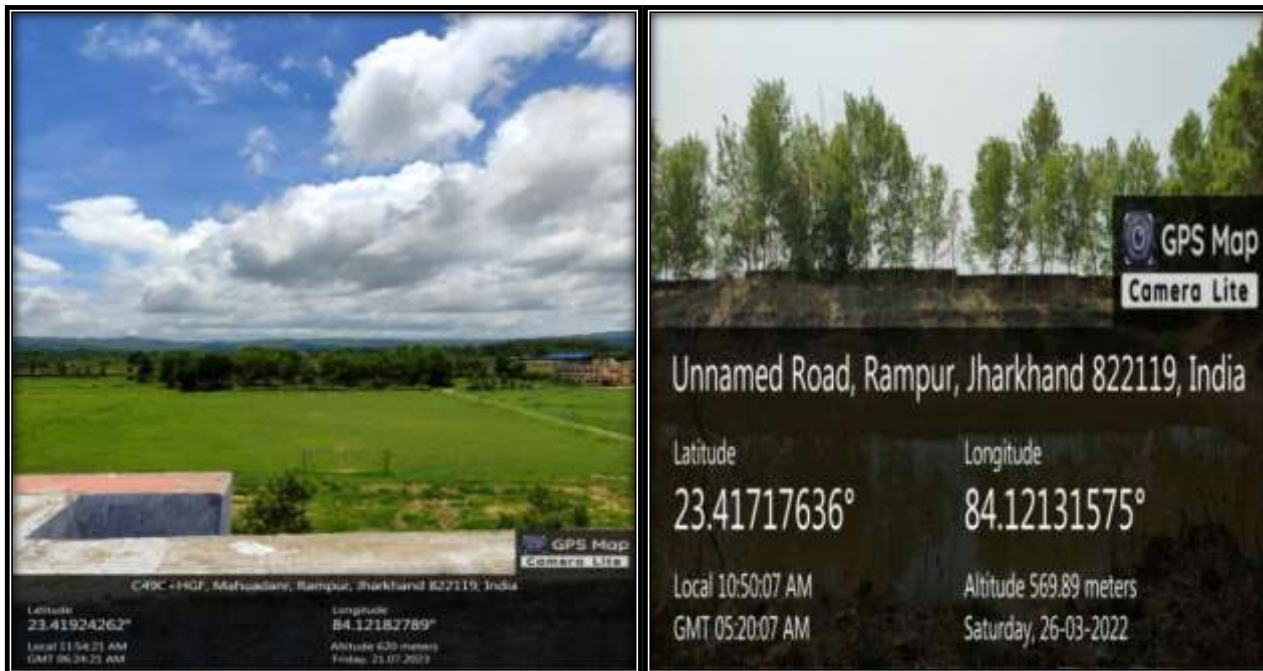


# St. Xavier's College, Mahuadanr Latehar- 822119, Jharkhand

## LED Lamps Installation



## Landscaping



# St. Xavier's College, Mahuadanr Latehar- 822119, Jharkhand

## Solar Panels Installation



## Rainwater Harvesting System



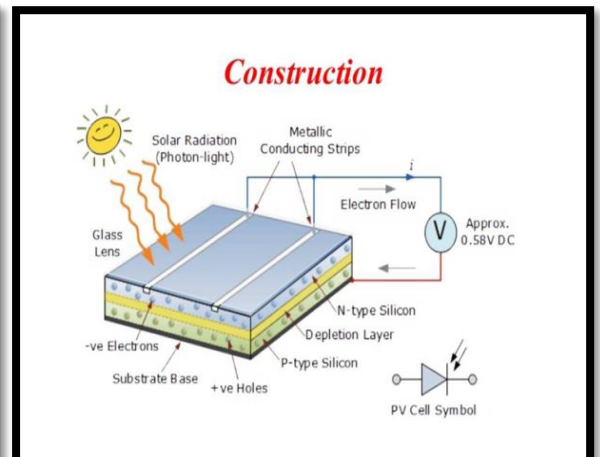


# St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

## ORGANIC FARMING AT HAMI VILLAGE



## SHIFTING TO SOLAR CELLS





# St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

## LECTURE ON SOLAR LAMP ASSEMBLING



## PLANTATION OF SAPLINGS



## SWACHHATA PLEDGE.





# St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

## CLEANLINESS DRIVE



## TREE PLANTATION DRIVE





# St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

## AWARENESS PROGRAM: NO FUEL DAY



## GIFT A SAPLING



## PLASTIC FREE AWARENESS CAMPAIGN





# St. Xavier's College, Mahuadanr Latehar-822119, Jharkhand

## PLANTATION UNDER VAN MAHOTSAV PROGRAM



## TYING RAKHI TO THE TREES: NATURE'S RAKSHABANDHAN

