

2022-23

QUALITY AUDIT REPORT

EXECUTIVE SUMMERY REPORT ON GREEN AUDIT,
ENVIRONMENT AUDIT AND ENERGY AUDIT

FOR
**Anjuman Islam Janjira Degree
College of Science Murud Janjira.**



DM Greens, Nandurbar

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QUALITY AUDIT REPORT (QAR)

2022-2023

Intuitional Details:

Name: Anjuman Islam Janjira Degree College of Science, Murud Janjira MS India.

Location: Murud Janjira, Dist. Raigad 402401, India

About College: Anjuman Islam Janjira Degree College of Science, situated in Murud Janjira, Maharashtra, is a distinguished educational institution fostering academic excellence. With a diverse curriculum comprising five undergraduate and two postgraduate departments, the college attracts a significant student body. The dedicated faculty, whose precise number is unspecified, plays a pivotal role in shaping the educational experience. The college boasts a well-equipped campus spread over an expansive area, encompassing essential facilities such as classrooms, labs, and common rooms. These features collectively contribute to creating an enriching environment for both teaching and learning at Anjuman Islam Janjira Degree College of Science.



VISION

To achieve Academic Excellence by giving impetus and adapting to measures for enhancing effective quality sustenance and progression on all key facets of education. Providing a dynamic and conducive Environment for all in order to Inculcate, Infuse, and Disseminate Value Oriented Learning, Creativity, Innovation Social Consciousness to achieve Sustainable Livelihood.

MISSION

- *To Value and by Introducing & Integrating Skill in the Knowledge Content for gaining Competitive Edge with the view to be Self-Reliant.*
- *To provide and Equal Platform for Higher Education, Employability & Entrepreneurship for all.*
- *To promote and support Research Oriented Activities.*
- *To train Students to be Creative and Competitive to face Real World Challenges of the new millennium.*
- *To develop a sense spirit-de-corps through Co-curricular, Extra-Curricular and Outreach Activities.*
- *To promote activities to enhance Societal Consciousness/ Community development, well-being & harmony.*



Disclaimer:

The Quality Audit Report presented here has been meticulously prepared by the Audit Team for Anjuman Islam Janjira Degree College of Science. The data utilized for this report was provided by the College and analyzed by the team. The objective is to comprehensively assess the institution's sustainability practices and propose recommendations for a greener and more environmentally conscious campus and energy conservations practices initiatives taken by institute in assessment years 2022-2023.

Executive Summary:

This Quality Audit delves into the environmental performance of the college, focusing on key areas such as energy efficiency, waste management, water conservation, energy conservations and overall sustainability. The report not only outlines the current state of affairs but also suggests actionable recommendations for improvement.

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GREEN PRACTICES INITIATIVES

The Green Audit is carried out as per the environmental policy of the Anjuman Islam Janjira Degree College of Science and Green audit checklist. The aim of the audit is to check the existing practices and provide advice for the development of environmental policy and practice in the areas of:

Sr. No.	Green Initiatives Practices	Good	Better	Best
A. Waste Management				
01	a. Implement a comprehensive recycling program.		✓	
	b. Reduce single-use plastics on campus.			✓
	c. Encourage paperless practices			✓
B. Water Conservation				
02	a. Implement water-saving technologies		✓	
	b. Educate students and staff			✓
	c. Regularly check for and fix water leaks.			✓
C. Green Transportation				
03	a. Promote carpooling and public transportation		✓	
	b. Encourage cycling and walking	✓		
	c. Provide electric vehicle charging stations if feasible	nil		
D. Landscaping and Green Spaces				
04	a. Maintain green spaces			✓
	b. Plant native trees and plants to support biodiversity			✓
	c. Use organic and sustainable fertilizers			✓

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GREEN BELT AREA & BIO-DIVERSITY

Campus is located in the vicinity of approximately 350 types (species) flora and fauna. Various tree plantation programs are being organized during the month of July and August at college campus and surrounding villages through NSS unit.

This program helps in encouraging eco-friendly environment which provides pure oxygen within the institute and awareness among villagers. The plantation program includes various types of indigenous species of ornamental and medicinal. Instead of maintaining biodiversity the similar species planted is observed for example “Coconut and Betel nut”. The dominant species in green belt are Coconut and Betel nut, Sag, Mango Tree, Jack Fruit Tree, Terminalia sp. etc.

Types of trees planted which are environment friendly are enlisted below:



- *Neem,*
- *Mango Tree,*
- *Jamun,*
- *Jack Fruit,*
- *Teak, Guava,*
- *Chiku,*
- *Cashew,*
- *Asoka,*
- *Durenta Plant.*

KEY POINTS OBSERVED

- ⇒ College has prepared Green Environmental policy and has taken efforts for sustainable development on the college campus.
- ⇒ College has a plane to install solar panels in future.
- ⇒ College has plane to include environment protection and management as a subject in curriculum.
- ⇒ College has Vermicomposting bed facility installed.

MAJOR RECOMMENDATIONS

- ⇒ Artificial nests and water ponds are recommended to attract different birds in season
- ⇒ Bio-waste: Composting system to be adopted.
- ⇒ College should install more solar panel as early as possible.
- ⇒ College should maintain the legal register for the applicable environment related regulations and comply with this as per the requirement.
- ⇒ E-waste management system needs to be adopted.
- ⇒ More drip irrigation is strongly recommended to conserve the water
- ⇒ Reuse of the water shall be done instead of use of fresh water.



ENVIRONMENTAL PRACTICES INITIATIVES

The Environmental Audit is carried out as per the Environmental policy of the Anjuman Islam Janjira Degree College of Science and Environmental audit checklist. The aim of the audit is to check the existing practices and provide advice for the development of environmental policy and practice in the areas of:

Sr. No.	Environmental Initiatives Practices	Good	Better	Best
01	A. Waste Management			
	a. Implement a comprehensive recycling program		✓	
	b. Reduce single-use plastics on campus			✓
	c. Encourage paperless communication and documentation			✓
02	B. Community Engagement			
	a. Collaborate with local communities on environmental projects.		✓	
	b. Encourage participation in tree-planting and clean-up initiatives			✓
	c. Foster partnerships with environmental organizations.			✓
03	C. Chemical Management			
	a. Adopt eco-friendly and non-toxic cleaning products		✓	
	b. Minimize the use of harmful chemicals in laboratories		✓	
	c. Proper disposal of hazardous waste			
04	D. Habitat Conservation			
	a. Protect and preserve natural habitats on campus			✓
	b. Create wildlife-friendly spaces			✓
	c. Participate in habitat restoration projects			✓

ENERGY CONSERVATION INITIATIVES

This audit report evaluates the energy conservation initiatives implemented by the Anjuman Islam Janjira Degree College of Science with a focus on sustainable development on the campus. Several key points were observed, including the formulation of an energy conservation policy, efforts towards sustainable development, and plans to incorporate environmental protection and management into the curriculum.

Sr. No.	ENERGY CONSERVATION INITIATIVES	Good	Better	Best
A. Renewable Energy Sources				
01	a. Explore and inves			✓
	b. Install solar panels			✓
	c. Educate stakeholders			✓
B. Community Engagement				
02	a. Collaborate with local communities on energy conservation initiative.		✓	
	b. Encourage participation in energy conservation			
	c. Foster partnerships with energy conservation		✓	
C. Green Transportation				
03	a. Charging stations if feasible		✓	
	b. Encourage cycling and walking	✓		
	c. Provide electric vehicle	✓		



KEY POINTS OBSERVED

- ⇒ *College has prepared Energy conservation policy and has taken efforts for sustainable utilization of energy.*
- ⇒ *College has a plane to install more solar panels in future.*

MAJOR RECOMMENDATIONS

- ⇒ *campaign on global warming awareness.*
- ⇒ *Implementing paperless documentation.*
- ⇒ *Projects related to energy conservation.*

The report provides major recommendations for enhancing these initiatives, such as launching a major campaign on global warming awareness, implementing paperless documentation, and ensuring compliance with applicable environmental regulations.

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Report at Glance







College Main Building

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Plant Diversity

A survey was carried out to find plant diversity in the college campus of Anjuman Degree College of Science Murud Janjira. The survey was focused on the diversity of plants on the basis of their classification and economic importance.

<i>Some Flora of the Campus</i>	
	
<p><i>Acalypha indica</i> L. (khokhali) Family: Euphorbiaceae</p>	<p><i>Argemone Mexicana</i> L. (pivala dhotra) Family: Papaveraceae</p>
	
<p><i>Asparagus racemosus</i> Willd. (Shatavari) Family: Asparagaceae</p>	<p><i>Bougainvillea spectabilis</i> Willd. (kagadi phul) Family: Nyctaginaceae</p>



Caesalpinia pulcherrima (L.)
Sw.(Shankasur) Family: Caesalpinioideae

Calotropis gigantea (L.) W.T.Aiton
(Rui) Family: Apocynaceae



Cassia fistula L. (Bahava)
Family: Fabaceae

Catharanthus roseus (L.) G.Don
(Sadaphuli) Family: Apocynaceae



Dioscorea bulbifera L.(Karanda)
Family: Dioscoreaceae

Duranta erecta L. (Piwalimendi)
Family: Verbenaceae



Euphorbia hirta L. (Dudhi)
Family: Euphorbiaceae

Jatropha gossypifolia L. (Ratanjoti)
Family: Euphorbiaceae



Signature Spider

Spider sps



Spider sps.

Spider sps.



Electric bike Parking



Bicycle Parking



Best from Plastic waste



Vermicompost Bed

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Rain water Management

Auto-Timer Switch (Electric power)



Tree Plantation

Tree Plantation



Tree Plantation



Audit Team Acknowledgment:

The Audit Team extends its appreciation to the college administration for their cooperation and for providing the necessary information essential for the completion of this comprehensive audit.

Dr. Mahindra Mali

[Lead Auditor's Signature]

[01/06/2023]

Dr. M S Patil

[Team Member Signatures]

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