



Estd. in 2008
बेटी बचाओ, बेटी पढ़ाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste.

Sustainable Waste Management at JWU: Fostering a Greener Tomorrow

Introduction:

Jayoti Vidyapeeth Women's University (JWU) is at the forefront of environmental stewardship, exemplifying a commitment to sustainable waste management practices. Under the innovative initiative "Punar Janam (Ready to Serve Again)," the university has established a robust waste management system, transforming waste into valuable resources. This comprehensive approach covers various waste categories, promoting recycling, reusing, and reducing environmental impact.

Waste Management Framework:

JWU's waste management framework encompasses six (6) vital categories, each contributing to a sustainable and eco-friendly campus.

1. Solid Waste Management:

- The university operates a dedicated Biogas Plant, Vermi Compost Plant and Bio-Waste Fertilizer Plant, adhering to the principles of Reduce, Reuse and Recycle.
- Various types of solid waste, including plastic/metal, paper, cloth, glassware, agriculture waste used books/footwear, and food waste, undergo specialized processes.

Subcategories:

- ❖ **Plastic/Metal Waste:** Reshaped for plantation, cultivating immunity boosting pot plants distributed in local communities.
- ❖ **Paper Waste:** Recycled into handmade paper for educational and creative purposes.



Estd. in 2008
बेटी बचाओ, बेटी पढ़ाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils

- ❖ **Cloth Waste:** Transformed into eco-friendly cloth bags, promoting a plastic-free environment.
- ❖ **Glassware Waste:** Utilized in handicrafts and mixed in concrete for plastic waste bricks.
- ❖ **Agriculture Waste:** Daily collection for composting, contributing to organic manure creation.
- ❖ **Used Books/Footwear:** Donated for reuse through "Seva Daan Patra," benefiting needy students and the community.
- ❖ **Animal Waste:** Utilized in the Biogas plant, manure bank and crafting handmade worship items.
- ❖ **Food Waste:** Collected daily, used in the Biogas plant for Biogas generation, supporting sustainable food preparation.

2. Liquid Waste Management:

- JVVU has constructed a Sewage Treatment Plant for cleaning sewage water with treated water used for agriculture and maintaining campus landscapes.
- Well-constructed drainage systems and safety tanks ensure effective liquid waste management.

3. Biomedical Waste Management:

- Biomedical waste, especially from university hospitals, undergoes careful collection, segregation and disposal, adhering to government regulations.

4. E-Waste Management:

- The university adopts a creative approach preparing beautiful art and craft items from e-waste.
- Damaged or obsolete electronic devices are displayed in a museum, showcasing technological evolution.
- Repairable e-waste undergoes expert inspection and repair, promoting reuse, while the rest is auctioned.



Estd. in 2008
जेटी वचाओ, जेटी पढ़ाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils

5. Waste recycling system.

- The waste recycling system at JVWU follows a sustainable approach.
- Every bit of waste on campus is collected, segregated and recycled through the "Punar Janam" initiative.
- The University's Waste Management Centre having recycling resources and infrastructure promotes the conversion of useless products into useful ones fostering environmental consciousness

6. Hazardous Chemicals and Radioactive Waste Management:

- JVWU successfully prevents the generation of hazardous chemicals and radioactive waste within its premises, prioritizing safety and environmental protection.

Integrated Environmental Conservation Activities:

In addition to waste management, JVWU actively engages in various activities to conserve natural resources and protect the environment.

- Rainwater harvesting.
- Utilization of solar energy for streetlights and water heaters.
- Adoption of a wood boiler and gas generated from biogas in the university mess, minimizing LPG use.
- Paperless offices, reducing paper consumption.

JVWU's holistic waste management practices reflect a pioneering effort toward sustainable living. By promoting recycling concepts, reducing waste generation, and creating awareness among students and staff, the university sets a remarkable example for other educational institutions. The multifaceted initiatives not only contribute to a greener campus but also instill a sense of environmental responsibility, fostering a sustainable and eco-friendly future.



Estd. in 2008
जेटी वचाओ, जेटी पढाओ

India's First State Private Women's University

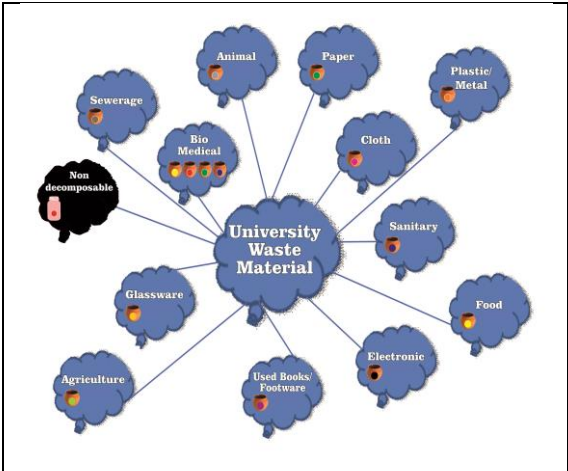
JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956


NAAC Accredited | UGC Approved | Recognized by Statutory Councils

University Waste Management Centre:

Every bit of the waste in the University campus is collected, segregated, and recycled on the concept of University Startup "Punar Janam (Ready to Serve Again)" that Provides a platform for the students, staff, and officers to convert scientifically any useless product into useful product on recycling concept and create money-making projects by generating new products through recycling process for the community/industry purpose & for healthy environment. as university believes that Everything that comes into natural system should go back into it and reproduce in New Shape. Garbage bins are installed in entire University Campus.

Garbage bins are installed in various points of the University Campus to collect waste products on specified colored garbage bins for recycling under University Startup- 'Punar Janam "Ready to Serve Again"'.


-  Green: Paper Waste ❧
-  Yellow: Food Waste ❧
-  Black: Electronic Waste ❧
-  Pink: Cloths Waste ❧
-  Purple: Used books/foot wares ❧
-  Chrome Yellow: Glassware ❧
-  Red: Agriculture Waste ❧
-  Brown : Sewage Waste ❧
-  Orange: Plastic Waste ❧
-  Grey: Animal Waste ❧
-  Sky Blue: Hair Loss Waste ❧
-  Blue: Sanitary Waste

 Biomedical: Yellow, Red, Green, Blue

❧ **For Recycling Under University Startup Punar Janam- "Ready To Serve Again"**

There is total 13 kind of university waste products in which 11 kind of waste products are being reused through recycle concept under University Startup "Punar Janam (Ready to serve again)" and remaining **1 Biomedical waste is collected by Govt. Agency . University has a MOU with authorized agency for the collection of biomedical waste that collects the waste on periodic intervals.**

University Waste management:

❧ **Plastic/Metal Waste:**

Plastic and metal containers are collected from students and staff regularly. All the plastic/ metal containers are collected from Academics and Hostels' specified dustbins and inserted in containers situated at various points at university campus . Collected pots are reused for plantation of plants and distributed to students/ staff and nearby villagers. Mainly Giloy plants are distributed to the community as Immunity Booster. Plastic/ Metal containers are converted into "Paudha Patra" on the concept of "Patra Daan Karen" evam "Patra Paudha Prapt Karen."

❧ **Plastic Wrappers/Bags/Sanitary:**



Estd. in 2008
जेटी वद्यापीठ, जेटी पढाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils

<p>Plastics wrappers/Plastic Bags are reshaped in Plastic made Bricks, Blocks & Pots through recycling process which are used by the students of Interior design discipline for making different kind of decorative items.</p>
<p>✚ Paper Waste: Paper recycling plant is installed on the University premises. Used/ Wastepaper is recycled, and handmade paper is made which is further used by the students for making charts, models Paper Bags, Envelop etc.</p>
<p>✚ Cloth Waste: The unused & waste clothes are reused by making ecofriendly cloth bags by the University students of Fashion Design discipline & distributed in students, staff and University adopted villages to make them plastic free University/villages.</p>
<p>✚ Food Waste: All the waste food & kitchen waste is collected per day. Unconsumed food collected in installed bins at mess and hostels is used in Biogas plant for the generation of Biogas which is utilized in mess for preparation of food. Raw food like fruits and vegetable peels are used for the creation of manure in manure bank.</p>
<p>✚ Electronics Waste:</p> <ul style="list-style-type: none">• Damaged/obsolete electronic devices are displayed in museum for trouble shooting labs and also displayed in University Punar Janam Bagh so that Students & staff members can exhibit their innovative ideas, skills and potentials to reshape the waste items and transform them into new shape with their creativity.• Repairable items are donated for reused to needy students and nearby community.• University is also planning for the development of museum at nearby schools.• Rest of the e-waste is auctioned.
<p>✚ Glassware Waste: All the damaged glassware is collected and stored in a structure near Biogas plant. This glassware are utilized by the students in handicrafts for making decorative items and also being used to mix in concrete for preparing upper layer of plastic waste bricks.</p>
<p>✚ Used Books/ Foot wares: The students and staff members can deposit used books and their foot wares at University "Seva Daan Patra" "situated at Hostel Gate. These goods are donated for reuse to needy students and nearby community.</p>
<p>✚ Agriculture Waste: All the agriculture waste in the form of dry leaves, stems and grasses is collected by the gardeners on a daily basis. This is deposited in manure bank to create Organic manure.</p>
<p>✚ Sewage Waste: University has sewage Treatment Plant (STP) for the treatment of solid and liquid sewage waste. The resultant treated water is used for irrigation & landscaping of the campus. The rest of the waste is used in manure bank. Treated water currently used for irrigating campus lawns and gardens and flushing the toilets</p>
<p>✚ Animal Waste: All the waste generated from animals like cow dung and urine is utilized mainly in Biogas plant and manure bank. Cow urine is used for preparation of medicines. Cow</p>



Estd. in 2008
जेटी वचाओ, जेटी पढ़ाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils

dung cakes are used as fuel during the preparation of medicines and also used in preparing plastic waste bricks, handmade paper and 'Dhoop Batti' a handmade worship item.

✚ **Hair Loss Waste :** One common problem of girls is hair fall . Hence, University also practice hair loss Waste Management as it is scientifically proven that human hair can be used as a fertilizer for the plants. Separate garbage bins are placed at various points in university hostels for collection of damaged/fallen hair to provide nutrition to the plants.

Apart from various waste management practices University is also implementing various activities for conservation of natural resources and environmental protection like rainwater harvesting, use of Solar Energy in the form of streetlights and solar water heaters, use of wood boiler and gas generated from biogas in university mess (**with minimum use of LPG**) and paperless offices.



Glassware Collection Point



Museum Development



Bio Gas Plant



Paper Collection Point



Animal Waste Collection Point



Estd. in 2008
बेटी बचाओ, बेटी पढ़ाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils



Seva Daan Patra



Sewage Treatment Plant
(STP)



Vermi compost

Earth Recharging - University has developed a Prototype '**JV Earth Recharge Pipe**' designed by Founder of the University JV'n Dr. Panckaj Garg with collective efforts of his team members.

"JV Earth Recharge Pipes" are useful for pouring rainwater and earth water directly into the soil of those areas/earth where water is not diverted through constructed structure of rainwater harvesting or the University does not have sufficient budget for that purpose.

These Small pipes prepared from waste pipes from different works by the University night staff that prevent them from sleep during their duty hours and these prepared pipes are placed at various point of university campus and also distributed in nearby villages and buried in the ground by the famers of nearby villages for water recharging purpose.

"JV Earth Recharge Pipe' also have filter mechanism so that filtered clean water can pour into the earth.



Earth Recharging



Estd. in 2008
बेटी बचाओ, बेटी पढ़ाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils

Waste Management Activities :

Paper making through Waste





Estd. in 2008
बेटी बचाओ, बेटी पढ़ाओ

India's First State Private Women's University

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR ज्योति विद्यापीठ महिला विश्वविद्यालय, जयपुर

Established by Govt. of Rajasthan through Act No. 17 of 2008 under section 2(f) & (12b) of the UGC Act, 1956

NAAC Accredited | UGC Approved | Recognized by Statutory Councils

Registrar, Jayoti Vidyapeeth Women's University, Jaipur

REGISTRAR
Jayoti Vidyapeeth Women's University
Jaipur