



Phone: 7501133806

SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Govt. Aided General Degree College | Estd.: 2014

P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

www.sjmahavidyalaya.in | Email: sjmahavidyalaya@gmail.com

Online Add –On Course

On

Waste Management and Sustainability

Organised by:

Department of Geography

Swarnamoyee Jogendranath Mahavidyalaya

A State Aided General Degree College, Affiliated to Vidyasagar University, West Bengal

Course Duration: 07.12.2021-31.01.2022

Platform: Google Meet

For Registration Please Contact:

Arpita Majumder

Assistant Professor

Department of Geography

Swarnamoyee Jogendranath Mahavidyalaya

Last Date for Registration: 01.12.2021

Chief Patron:

Dr. Ratan Kumar Samanta

Principal, Swarnamoyee Jogendranath Mahavidyalaya

Course Instructor:

Arpita Majumder

Assistant Professor

Department of Geography

Swarnamoyee Jogendranath Mahavidyalaya

Brochure

SWARNAMOYEE JOGENDRANATH MAHAVIDYALAYA

Dept. of Geography

Add-on Course on Waste Management and Sustainability

Date: - 07.12.2021- 31.01.2022

Online Mode

Overview:

As the global population grows and industrial activities increase, the challenge of managing waste sustainably has never been more critical. This short-term course is designed to equip participants with the knowledge, tools, and strategies to address waste management issues in a manner that promotes environmental sustainability, public health, and economic efficiency.

Objective of the Course:

Our goal is to provide a comprehensive understanding of waste management practices and their critical role in promoting sustainability. We aim to equip participants with the tools and strategies necessary to implement sustainable waste management solutions in their communities, workplaces, and beyond.

By the end of this course, participants will be able to:

1. Understand the fundamental concepts of waste management and sustainability.
2. Identify the types of waste and their environmental impacts.
3. Apply principles of reduce, reuse, and recycle in daily life and policy making.
4. Design and implement effective waste management strategies for urban and rural settings.
5. Evaluate the effectiveness of waste management systems.
6. Advocate for sustainable waste management practices within communities and organizations.

Course Content

Participants will delve into a variety of topics, including, but not limited to:

- Principles of waste management and sustainability.
- Innovative waste reduction, reuse, and recycling strategies.
- Policy frameworks and community engagement for effective waste management.
- Case studies of successful waste management initiatives.

This course stands out by offering hands-on learning experiences, interactive sessions, and access to experts in the field.

Benefits of Participation:

By joining us, you will:

- Gain a deep understanding of sustainable waste management.
- Acquire practical skills to initiate change in your community.
- Earn a certificate of completion, enhancing your professional profile.

Course Duration:

This intensive program spans over a period of 30 hours, with a combination of online and offline lectures, interactive workshops, and practical fieldwork.

Target Audience:

The course is open to all students who are pursuing the UG course and anyone interested in the principles and practices of waste management and sustainability. It is particularly beneficial for the students seeking to enhance their expertise or incorporate sustainable waste management practices into their work.

Key Topics:

Fundamentals of Waste Management: Understand the types of waste, sources, and the impact of waste on the environment and human health.

Sustainable Waste Management Practices: Explore innovative and sustainable waste management strategies, including recycling, composting, and waste-to-energy technologies.

Policy and Regulatory Frameworks: Learn about the international, national, and local policies and regulations governing waste management and how they can be applied to foster sustainable practices.

Technology and Innovation in Waste Management: Discover the latest technologies and innovations that are transforming waste management, from advanced recycling methods to smart waste collection systems.

Community Engagement and Education: Strategies for engaging communities in sustainable waste management practices and promoting a culture of environmental responsibility.

Learning Outcomes:

Participants will gain a comprehensive understanding of the challenges and opportunities in waste management, develop the ability to design and implement effective waste management solutions, and learn how to advocate for sustainable practices within their communities and organizations.

Registration and Additional Information:

To register for the course or to find more information about the course, please contact to the teaching faculties of the Geography dept. Join us in this transformative journey towards a more sustainable future, where effective waste management plays a key role in protecting our planet for future generations.

Syllabus:

Waste Management Course Syllabus Overview:

Unit- 1: Fundamentals of Waste Management

- Understanding waste and its various types
- How pollution and waste affect ecosystems and human health
- Economic implications and costs associated with waste management

Unit- 2: Solid Waste Management Basics

- Background, characteristics, and the importance of waste collection
- Overview of solid waste treatment and disposal methods

- Framework for effective solid waste management

Unit- 3: Tackling Plastic Waste

- Overview of plastic waste management
- Environmental challenges associated with plastic waste disposal
- Technologies and strategies for managing plastic waste

Unit- 4: Paper Waste Management

- Introduction to paper waste issues
- The environmental impact of paper waste
- Solutions and recycling processes for paper waste

Unit- 5: Managing Organic Waste

- Exploring the fundamentals of organic waste
- Techniques for handling and recycling organic waste
- The significance and challenges of organic waste recycling

Unit- 6: Glass Waste Management

- Introduction to glass waste and its sources
- The recycling process and circularity of glass
- Challenges in optimizing glass recycling

Unit- 7: Liquid Waste Management

- Different sources and types of liquid waste
- Strategies and methods for managing liquid waste
- Liquid waste disposal techniques

Unit- 8: Pollution Prevention

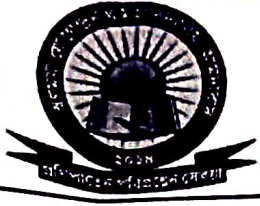
- Understanding the role in preventing contamination and pollution
- Pollution prevention approaches and their importance

Unit- 9: Waste Disposal and Treatment

- Processes involved in the collection, sorting, and transfer of waste

Unit- 10: Recycling Technologies

- Practical exploration of organic waste recycling methods and processes



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Date: 26/11/2021

Ref. No.: 61/21

Notice

The students of the Dept. of Geography, Swarnamoyee Jogendranath Mahavidyalaya are hereby notified that this department is going to organize an add-on course on "Waste Management and Sustainability" from 07.12.2021- 31.01.2022 through online mode. The course will be delivered by lecture, interaction and doubt clearance classes and PPT presentation on topic related to human rights. Available seat to register the program is 30. The students pursuing Geography honours (UG) are eligible to apply for the course. No registration fees will be taken from the students to pursue this course. The last date of registration for this course is 01/12/2021.



Bama
Principal 26/11/2021

Swarnamoyee Jogendranath Mahavidyalaya
Amdabad :: Purba Medinipur :: Pin-721650



Swarnamoyee Jogendranath Mahavidyalaya

Dept. of Geography

Add-on Course on Waste Management and Sustainability

Date: - 07.12.2021- 31.01.2022

Online Mode

Programme Schedule

	Day	Date	Time	Title of Lecture	Name of the Teacher	Remarks
Session 2021 -2022(Online Mode)	Tuesday (Inauguration)	07.12.2021		Welcome address by Dr. Ratan Kumar Samanta, Principal & Program Co-Ordinator Sweta Bera, Importance of this certificate course by Prasad Ranjan Chakrabarty, IQAC, Co-Ordinator, Swarnamoyee Jogendranath Mahavidyalaya.		To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
	Thursday	09.12.2021	6.30PM-8.30PM	Fundamentals of Waste Management Understanding waste and its various types	Dr. Ratan Kumar Samanta Principal Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff

Saturday	11.12.2021	6.30PM-8.30PM	How pollution and waste affect ecosystems and human health Economic implications and costs associated with waste management	Moyazem Hossain Mondal Assistant Professor & Head Department of History Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Thursday	16.12.2021	6.30PM-8.30PM	Solid Waste Management Basics Background, characteristics, and the importance of waste collection	Aparesh Mondal Assistant Professor & Head Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Saturday	18.12.2021	6.30PM-8.30PM	<ul style="list-style-type: none"> • Overview of solid waste treatment and disposal methods • Framework for effective solid waste management 	Aparesh Mondal Assistant Professor & Head Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Tuesday	21.12.2021	6.30PM-8.30PM	Tackling Plastic Waste	Narayan Chandra Bera Guest Teacher Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff

					Or open Meet and enter this code: bab-vyccp-sff
Thursday	23.12.2021	6.30PM-8.30PM	Paper Waste Management	Arpita Majumder Assistant Professor Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vyccp-sff Or open Meet and enter this code: bab-vyccp-sff
Friday	24.12.2021	6.30PM-8.30PM	Managing Organic Waste Exploring the fundamentals of organic waste	Aparesh Mondal Assistant Professor & Head Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vyccp-sff Or open Meet and enter this code: bab-vyccp-sff
Thursday	06.01.2022	6.30PM-8.30PM	Techniques for handling and recycling organic waste The significance and challenges of organic waste recycling	Aparesh Mondal Assistant Professor & Head Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vyccp-sff Or open Meet and enter this code: bab-vyccp-sff
Saturday	08.01.2022	6.30PM-8.30PM	Glass Waste Management	Tanushree Das Guest Teacher Department of Zoology Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vyccp-sff Or open Meet and enter this code: bab-vyccp-sff

Thursday	13.01.2022	6.30PM-8.30PM	Liquid Waste Management Different sources and types of liquid waste	Deblina Pradhan Guest Teacher Department of Physiology Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Saturday	15.01.2022	6.30PM-8.30PM	Strategies and methods for managing liquid waste Liquid waste disposal techniques	Deblina Pradhan Guest Teacher Department of Physiology Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Thursday	20.01.2022	6.30PM-8.30PM	Pollution Prevention Understanding the role in preventing contamination and pollution	Nayan Kumar Giri SACT Department of Botany Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Friday	21.01.2022	6.30PM-8.30PM	Pollution prevention approaches and their importance	Nayan Kumar Giri SACT Department of Botany Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Saturday	22.01.2022	6.30PM-8.30PM	Waste Disposal and Treatment	Arpita Majumder Assistant Professor Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link:

			Processes involved in the collection, sorting, and transfer of waste		https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Thursday	27.01.2022	6.30PM-8.30PM	Recycling Technologies Practical exploration of organic waste recycling methods and processes	Aparesh Mondal Assistant Professor & Head Department of Geography Swarnamoyee Jogendranath Mahavidyalaya	To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff
Monday (Validation Session)	31.01.2022	6.30PM-8.30PM			To join the meeting on Google Meet, click this link: https://meet.google.com/bab-vycp-sff Or open Meet and enter this code: bab-vycp-sff

Ramadas
Principal 03/12/21
Swarnamoyee Jogendranath Mahavidyalaya
Amdabad :: Purba Medinipur :: Pin-721650



Hajumder
03/12/21
Course Coordinator
Swarnamoyee Jogendranath Mahavidyalaya

Waste Management and Sustainability

Organised by:

Department of Geography

Swarnamoyee Jogendranath Mahavidyalaya



Course Duration: (07.12.2021-31.01.2022) 30 hours

Student Registration List

Sl. No	Name	Gender	Religion	Caste	Semester	Roll No.	Contact No.	E-Mail Id	Signature with date
1.	Anuradha Jana	Female	Hinduism	General	V	6	8927931076	aj762797@gmail.com	Anuradha Jana
2.	Kanchan Roy	Female	Hinduism	General	V	2	7797531495	roykanchan495@gmail.com	Kanchan Roy
3.	Manasi Das	Female	Hinduism	SC	V	79	7477381198	dasm11547@gmail.com	Manasi Das
4.	Samir Sahoo	Male	Hinduism	OBC-B	V	45	9933550309	sahoosamir308@gmail.com	Samir Sahoo
5.	Shibshankar Patra	Male	Hinduism	SC	V	78	8927791276	shibshankarpatra89@gmail.com	Shibshankar Patra
6.	Suman Sasmal	Male	Hinduism	General	V	44	6294914498	sumansasmal7602@gmail.com	Suman Sasmal
7.	Sourav Das	Male	Hinduism	General	V	46	6294776998	dassourav6294@gmail.com	Sourav Das
8.	Souvik Das	Male	Hinduism	General	V	38	7477381045	souvikdas1045@gmail.com	Souvik Das
9.	Sukamal Panda	Male	Hinduism	General	V	43	9883958448	pandasukamal448@gmail.com	Sukamal Panda
10.	Tithi Khatua	Female	Hinduism	General	V	59	8918481565	tithikhatua2019@gmail.com	Tithi Khatua
11.	Susmita Giri	Female	Hinduism	General	III	10	8116347992	susmitagiri1001@gmail.com	Susmita Giri
12.	Somasree Das	Female	Hinduism	SC	III	19	6296459778	somasreedas2002@gmail.com	Somasree Das
13.	Supriya Khatua	Female	Hinduism	General	III	21	8159045216	khatuasupriya043@gmail.com	Supriya Khatua

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14.	Sumon Dogra	Male	Hinduism	General	III	8	9883202754	sumondogra0@gmail.com	Sumon Dogra
15.	Sulata Jana	Female	Hinduism	General	III	20	7679827603	sulatajana98765@gmail.com	Sulata Jana
16.	Sampa Rana	Female	Hinduism	OBC-B	III	95	8348709956	samparana2001@gmail.com	Sampa Rana
17.	Somnath Dhara	Male	Hinduism	General	III	7	7585011560	Somnathdhara7585@gmail.com	Somnath Dhara
18.	Mitali Bera	Female	Hinduism	SC	III	98	9123761885	mitalibera229@gmail.com	Mitali Bera
19.	Gayatri Sheet	Female	Hinduism	SC	III	22	9883795237	gayatrisheet8@gmail.com	Gayatri Sheet
20.	Sweetly Mondal	Female	Hinduism	OBC-B	III	96	6296345409	sweetymondal988@gmail.com	Sweetly Mondal
21.	Abhinandan Jana	Male	Hinduism	General	I	1	7908480638	abhinandanjana86@gmail.com	Abhinandan Jana
22.	Krishnendu Jana	Male	Hinduism	General	I	34	9800346888	Janakrishnendu991@gmail.com	Krishnendu Jana
23.	Souman Acharya	Male	Hinduism	General	I	85	8927027316	soumanacharya756@gmail.com	Souman Acharya
24.	Santanu Sasmal	Male	Hinduism	General	I	129	7548927665	sasmalsantanu51@gmail.com	Santanu Sasmal
25.	Rinki Khatua	Female	Hinduism	General	I	58	9883987137	kahtuajapi@gmail.com	Rinki Khatua
26.	Barsha Das	Female	Hinduism	SC	I	13	8101769356	dbarsha172@gmail.com	Barsha Das
27.	Tanushree Gayen	Female	Hinduism	SC	I	118	9907367468	tanushreegayen76@gmail.com	Tanushree Gayen
28.	Souvik Das	Male	Hinduism	SC	I	93	7439292722	souviktakapura@gmail.com	Souvik Das
29.	Dibyendu Pramanik	Male	Hinduism	General	I	139	8927103683	pramanikdibyendu601@gmail.com	Dibyendu Pramanik
30.	Biswajit Das	Male	Hinduism	General	I	16	6297521956	dasvombal293@gmail.com	Biswajit Das

Arpita Majumder 03/12/21

(Arpita Majumder)

Course Co-ordinator

Course Coordinator

Swarnamoyee Jogendranath Mahavidyalaya

Samanta 03.12.21

(Dr. Ratan Kumar Samanta)

Principal

Principal

Swarnamoyee Jogendranath Mahavidyalaya
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Report on the Add-on Course on Waste Management and Sustainability

❖ Course Overview

Swarnamoyee Jogendranath Mahavidyalaya's Department of Geography hosted an online add-on course titled "Waste Management and Sustainability" from December 7, 2021, to January 31, 2022. This course was designed to address the increasing need for sustainable waste management practices as global populations and industrial activities continue to grow.

❖ **No. of Students Registered for the Course: 30**

❖ **No. of Students Completed the Course: 30**

❖ **No. of Classes held during the course: 15**

❖ **No. of Resource Persons delivered their lecture during the course: 8**

❖ **Course Outcomes:** Here are the outcomes for an add-on course on waste management and sustainability for undergraduate students:

1. **Understanding of Waste Management Systems:** Students have gained a comprehensive understanding of various waste management systems, including waste prevention, minimization, recycling, and disposal methods.
2. **Knowledge of Environmental Impact:** Students have learned about the environmental impacts of waste, including how improper waste management contributes to pollution, climate change, and loss of biodiversity.
3. **Sustainability Practices:** Students have explored sustainable waste management practices and technologies that reduce environmental impact, including resource recovery and the circular economy.
4. **Policy and Regulation Awareness:** Students have developed an understanding of the policies and regulations related to waste management at local, national, and international levels, and how these policies influence practices and technologies.
5. **Technical Skills Development:** Students have acquired technical skills related to waste management, such as waste auditing, lifecycle analysis, and the use of geographic information systems (GIS) in waste management planning.
6. **Advocacy and Community Engagement:** Students have learned how to advocate for sustainable waste management practices and engage with communities and stakeholders to promote environmental awareness and behaviour change.

7. **Professional Application:** Students have understood how to integrate sustainable waste management practices into various professional fields, enhancing their employability in sectors such as environmental consulting, public health, urban planning, and corporate sustainability.

❖ **Conclusion**

The add-on course on Waste Management and Sustainability successfully met its objectives by educating participants about sustainable practices and the importance of waste management in conserving the environment. The course facilitated a better understanding of the subject matter through comprehensive theoretical knowledge backed by practical applications.

Bama
03/02/22

Principal

Swarnamoyee Jogendranath Mahavidyalaya
Amdabad :: Purba Medinipur :: Pin-721650



Hajumder
03/02/22

Course Coordinator

Swarnamoyee Jogendranath Mahavidyalaya



Swarnamoyee Jogendranath Mahavidyalaya

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At+ P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN- 721650

Certificate of Participation

This is to certify that Kanchan Roy of 5th Semester has successfully completed the Add-on course on 'Waste Management & Sustainability' organised by the Department of Geography of Swarnamoyee Jogendranath Mahavidyalaya held during 7th December, 2021 to 31st January, 2022.

Ajunder

Course Coordinator
Swarnamoyee Jogendranath Mahavidyalaya

Raman

Dr. Ratan Kumar Samanta

Principal

Swarnamoyee Jogendranath Mahavidyalaya
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Certificate of Participation

This is to certify that Susmita Giri of 3rd Semester has successfully completed the Add-on course on 'Waste Management & Sustainability' organised by the Department of Geography of Swarnamoyee Jogendranath Mahavidyalaya held during 7th December, 2021 to 31st January, 2022.

Ajunder

Course Coordinator
Swarnamoyee Jogendranath Mahavidyalaya

Samanta

Dr. Ratan Kumar Samanta
Principal
Swarnamoyee Jogendranath Mahavidyalaya
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