



Add On Course

On

Course Name: Waste Management and Recycling Course

Course Code: CC25/23/1/WMRC

Organised by

Department of Political Science

and

IQAC, Al Ameen Memorial Minority College

AL AMEEN MEMORIAL MINORITY COLLEGE

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Add on Course Organising Committee

Patron	: Dr. Nurul Haque, Principal, Al Ameen Memorial Minority College
Course Co-ordinator	: Prof. Sayera Begum, Co-ordinator, IQAC, Al Ameen Memorial Minority College
Members	: Prof. Matin Ahmed, Prof. Dipankar Manna, Prof. Sk Asgar Ali, Tazuddin Ahmed, Benajir Khatun, Asadulla Khan
Faculty Member	: Prof. Rabeya Khatun

Course Name	: Waste Management and Recycling Course
Course Code	: CC25/23/1/WMRC
Course Duration	: 6 Month (January to June)
Date of Application	: 1 st Week of January
Class Start	: 1 st Week of February
Course Fees	: No fee is required for the course
Eligibility	: Students of UG level of our College
Mode	: Blended Mode
Seat Limit	: 50
Course Duration	: 40 Hours in 6 Month
Class Day	: Every Sunday
Class Time	: 11 A.M. to 1:30 P.M.
Examination Time	: 1 st Week of June
Result Publication	: 3 rd Week of June
Certificate Issued	: 3 rd Week of June

Methodology

- Theoretical and Practical Approaches.
 - Experience sharing
 - Students' Seminars
 - Project Work

Course Outcome

Students will learn about the environmental impacts of waste, various waste management techniques, recycling processes and sustainable waste reduction strategies.

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Overview of the Syllabus

Class Duration: 4 hours for each module

Module 1: Introduction to Waste Management:

Understanding the concept of waste.

Types and classification of waste.

Environmental impacts of improper waste management.

Module 2: Waste Collection and Segregation:

Methods of waste collection.

Importance of waste segregation.

Techniques for effective segregation at source.

Module 3: Waste Treatment Technologies:

Overview of waste treatment processes.

Landfilling, composting, and incineration.

Advantages and limitations of each treatment method.

Module 4: Recycling Principles and Practices:

Fundamentals of recycling.

Recycling symbols and their meanings.

Recycling processes for different materials (plastic, paper, glass, metal).

Module 5: Sustainable Waste Management

Practices:

Circular economy principles.

Waste-to-energy technologies.

Extended Producer Responsibility (EPR) and product stewardship.

Module 6: Policy and Regulations:

Overview of national and international waste management regulations.

Role of government policies in waste management.

Compliance and enforcement mechanisms.

Module 7: Case Studies and Best Practices:

Analysis of successful waste management initiatives.

Real-world examples of effective recycling programs.

Lessons learned from failure cases.

Module 8: Practical Applications and Fieldwork:

Hands-on activities in waste sorting and recycling.

Site visits to waste treatment facilities.

Group projects on designing waste management plans.

Module 9: Emerging Trends and Innovations:

Introduction to innovative waste management technologies.

Trends in waste reduction and resource recovery.

Future prospects and challenges in waste management.

Module 10: Assessment and Certification:

Final examination covering course content.

Evaluation of practical skills through project presentations.

Gradation: A=50-60%

A+=60-70%

O=70-100%

Assessment and Certification:

Theory and practical examination after each module.

Final Project: Solving a real-world computer-related problem.

Course completion certificate.

The examination pattern and marks distribution for the Add On Courses

Total Marks : 50 Marks

Theory Exam :30 = i. Multiple-choice questions (MCQs) : 30 marks(2marks for 15 questions)

ii. Project report/ Presentation : 10 marks

iii. Internal Assessment : 10 marks

This distribution allows for evaluating both theoretical knowledge and practical skills, along with assessing the student's consistency and engagement throughout the course.