

**Activity Report: Academic Year 2023- 24****Activity Name: Certificate Course in Scientific Waste Management**

Department /Committee / Club : English			
Name of the Co-Ordinator	Venue	Day & Date	Time
Steve Vincent Jiji Anna Jacob		August 3, 2023	3pm
Number of Participants 21	Nature: Outdoor/ Indoor/ Online	Type Of Activity: Academic / Extension/ Student Progression/ Student Support/ Environment/ Gender/ Days/ Enrichment/ Other (Specify):	
Scheduled/ Unscheduled	Funding Source: Self / Sponsored /NGO /Industry/ Exchanges/Others.		
Amount:	Chief Guest: Principal Dr. Sunil Jacob		

BRIEF INFORMATION ABOUT THE ACTIVITY

Topic/ Subject of the Activity	Certificate Course in Scientific Waste Management
Objectives	To empower individuals and organizations to adopt scientifically sound approaches to waste management, thereby contributing to environmental conservation and sustainable development goals
Methodology	Online sessions, PowerPoint presentations, survey
Outcomes	Generating awareness regarding the significance of proper waste segregation, management and disposal.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters ✓	List of Participants ✓	Activity Report ✓	Geo Tagged Photos ✓	Feedback Form
Feedback Analysis ✓	News Clip with details	Certificate ✓	Any Other	

IQAC Document No:	Criterion No:	NAAC Metric No:
Departmental File No:	IQAC File No:	International/National/Regional

Name of Teacher & Signature with Date	Name of Head/ Committee Incharge & Signature with Date	IQAC Coordinator (Seal & Signature)
Steve Vincent Jiji Anna Jacob	Dr. Asha Philipose	Dr. George Thomas



Report

Inauguration of Certificate Course on Scientific Waste Management

Date: 3 August, 2023 Venue: NUHRO Language Lab, Time: 3 pm

Introduction: The inauguration of the Certificate Course on Scientific Waste Management in association with Northamps Global Ecosolutions Pvt Ltd a renowned leader in waste management services in Kerala marked a significant milestone in our ongoing efforts towards environmental sustainability. The event hosted in a hybrid mode with both online and offline participation witnessed the departmental commitment to address the pressing issue of waste management through scientific approaches.

Inauguration The ceremony commenced with an inspiring inaugural address by the Principal Dr. Sunil Jacob highlighting the importance of adopting scientific methodologies in waste management to mitigate environmental degradation and ensure a sustainable future. Dr. Asha Philipose Head, Dept. of English emphasized the role of education and training in empowering individuals with the knowledge and skills necessary to tackle this global challenge effectively. Mr. Zakaria Joy CEO Northamps Global, Steve Vincent Assistant Professor & Course Convenor, Jiji Anna Jacob, Assistant Professor & Course Coordinator offered felicitations.

Conclusion: The inauguration of the Certificate Course on Scientific Waste Management marked the beginning of a transformative journey towards building capacity and fostering innovation in waste management practices. By imparting specialized knowledge and skills, the course aims to empower individuals and organizations to adopt scientifically sound approaches to waste management, thereby contributing to environmental conservation and sustainable development goals. The programme ended at 3.45 pm

Steve Vincent
Convenor

Jiji Anna Jacob & Alan Cherian
Coordinators



**PG Department of English
Catholicate College, Pathanamthitta**

Inauguration of

**CERTIFICATE COURSE IN
SCIENTIFIC WASTE MANAGEMENT**

in association with IQAC

&

Northamps Global Ecosolutions Pvt. Ltd

03 August, 2023

3 PM @ NUHRO Language Lab

Dr. Sunil Jacob
Principal

Prof. (Dr.) Renny P Varghese
Bursar

Dr. Asha Philipose
HoD

Steve Vincent
Convenor

Jiji Anna Jacob Alan Cherian
Coordinators

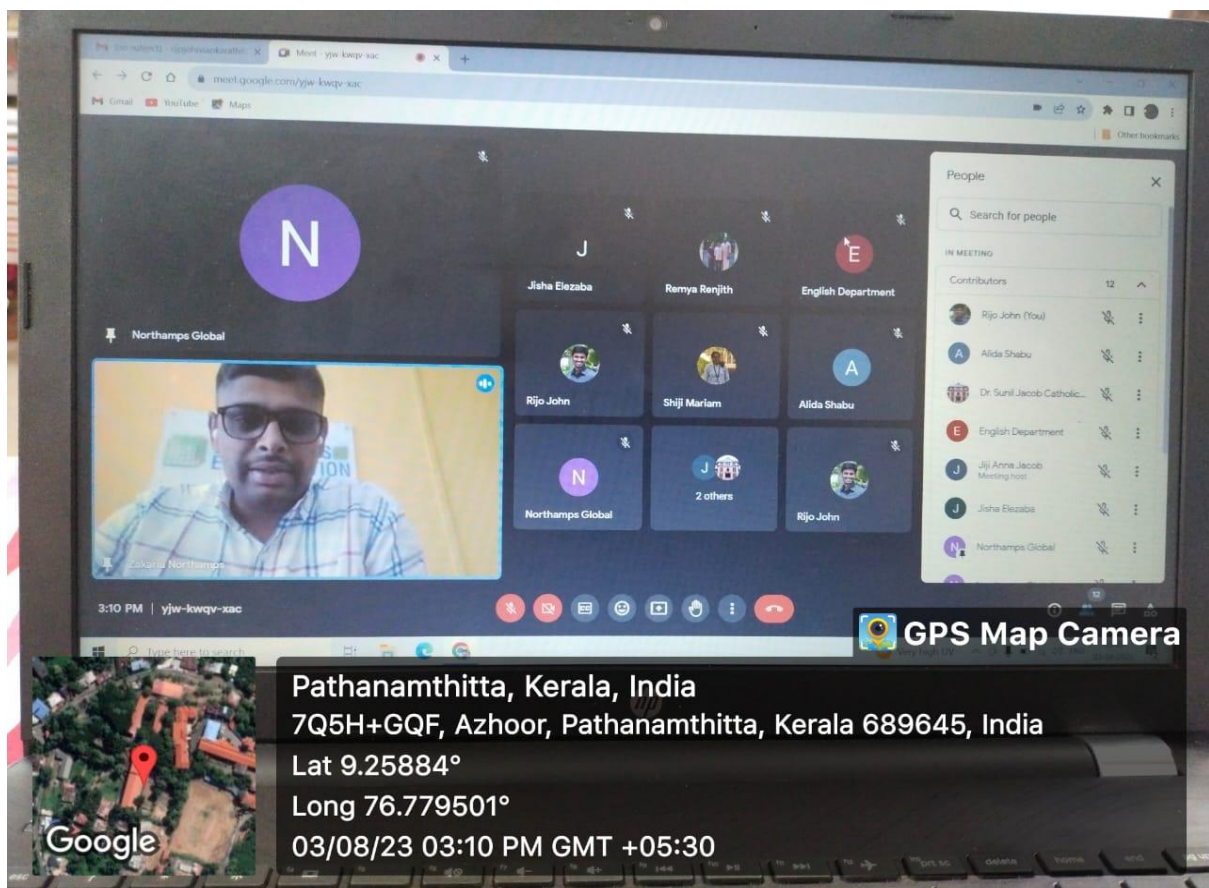
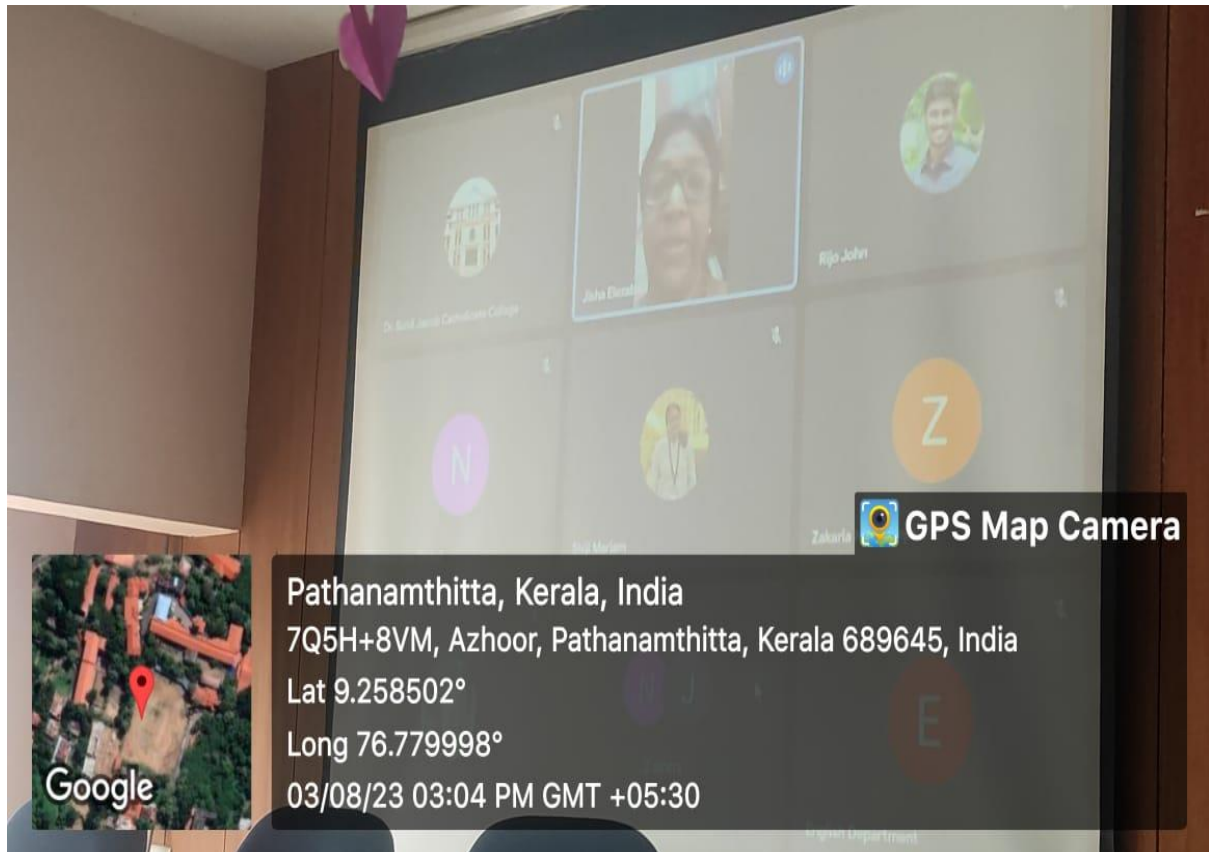
NORTHAMPS
Leading to Zero Waste

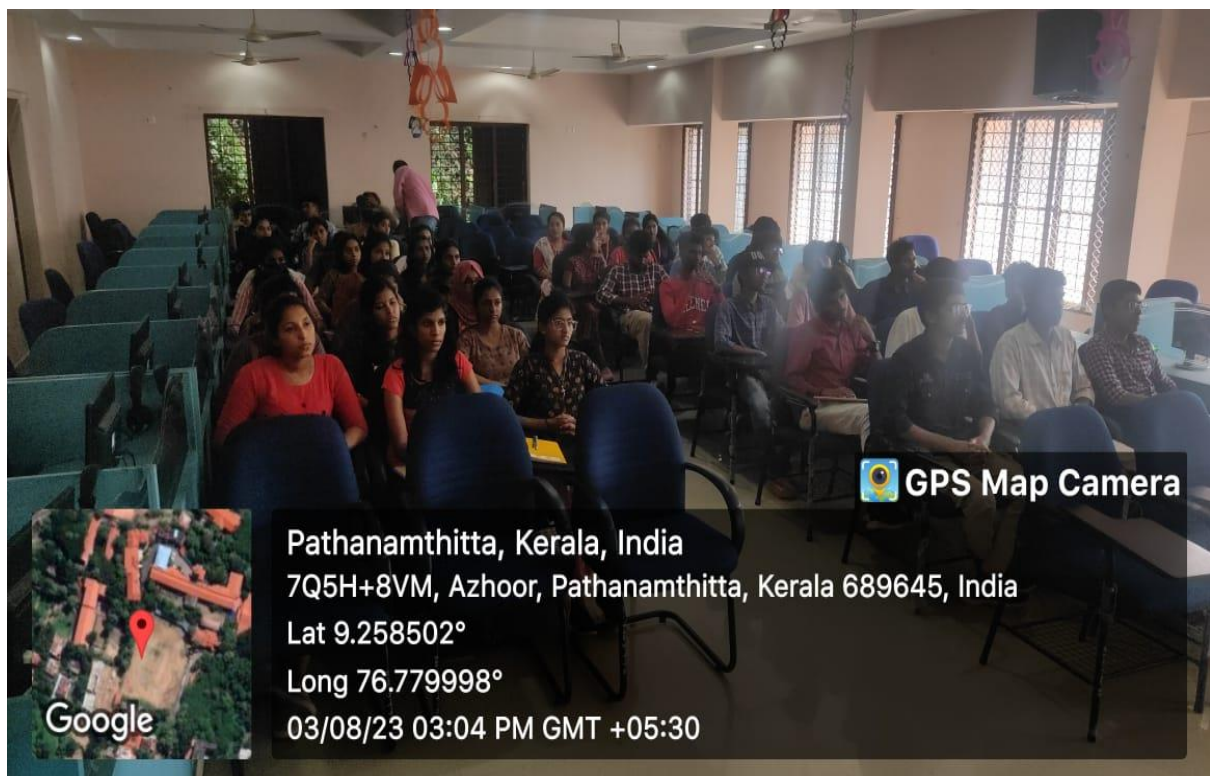


ചരിത്രാതീതം മലയാളം

**SUCHITWA
MISSION**

LOCAL SELF GOVERNMENT DEPARTMENT KERALA







PG DEPARTMENT OF ENGLISH
CATHOLICATE COLLEGE PATHANAMTHITTA

IN ASSOCIATION

WITH



CERTIFICATE COURSE IN SCIENTIFIC WASTE MANAGEMENT

Syllabus

The certificate course in “Scientific Waste Management” provides the significance of proper waste segregation, management and disposal. Over the years, with an increasing population, waste management has become a global concern. Commonly, waste is generated in households, factories, construction sites, refineries and nuclear power plants. The changing consumption trends along with the improvement in lifestyle have posed alarming threats to the environment. If waste is not managed properly and scientifically it can cause serious problems to human health and the environment. So, it is necessary for people and businesses to know the importance of waste management.

Duration: The certificate course will be conducted with a total of 30 hrs of online sessions.

Programme Schedule

Module 1: Basics of waste management, types, solid waste management- physical, chemical characteristics and significance of waste disposal

Module 2: Biodegradable waste management, non-biodegradable waste management, disposal techniques

Module 3: The sanitary waste management, Chemical waste management, Bio-medical waste management, E-waste management, Glass waste management, Metal waste management, Solid waste management rules and regulations.

Module 4: Plastics and waste management

Module 5: Liquid waste management

Module 6: Climate change and waste, Zero waste initiatives, Sustainable materials. Awareness and education for scientific waste management



THEORY (30 hrs)

Topic 1: Introduction and definition waste management, classification of waste: solid, liquid, gaseous, properties of waste, importance of scientific waste management, technologies related to solid waste management

Topic 2: Biodegradable waste, home composting and commercial composting methods, non-biodegradable waste management-sources, classification of non-biodegradable waste, disposal methods of non-biodegradable waste

Topic 3: Sanitary waste management, MHM guidelines, current practices, role of customer/producer/private agencies/villages/local levels. Chemical waste management, sources, treatment methods. Biomedical waste management, causes, classification, sources, waste management hierarchy, biomedical waste management rule 2018, treatment methods, benefits of proper waste management. E-waste management, sources, environmental impact, E-waste in India, E-waste recycling process, E-waste management rule 2016. Glass waste management, properties, types, recycling process, outcome, benefits, negatives, future. Metal waste management, types, recycling process, benefits, negatives, risk, metal theft. Solid waste management rules and regulations, KPCB rule 2020, National Green Tribunal.

Topic 4: The importance of plastics in daily life, its drawbacks, plastic pollution and consequences, recycling stages, plastic waste classification, advantages of plastic recycling.

Topic 5: Liquid waste management, sewage and sullage, health aspects of sewage, aim of sewage treatment, sewage treatment plant and process. Effluent treatment plant, need of effluent treatment plant, design of effluent treatment plant, treatment levels and mechanism. Septage treatment systems, process.

Topic 6: Climate change and waste, major environmental impacts. Zero waste initiatives, zero waste cities and Countries. Sustainable materials, bioplastic products, applications, advantages, types, current uses, future scope. Awareness and education for scientific waste management.



POST GRADUATE DEPARTMENT OF ENGLISH
CATHOLICATE COLLEGE, PATHANAMTHITTA

LIST OF STUDENTS ENROLLED FOR THE COURSE

1. ARATHY SHARMA A
2. ANAKHA PREM
3. APARNNA S RAJESH
4. ALAMEEN AYOOB
5. ANGELA ANNA SUNIL
6. ADITHYA BINU
7. AISHWARYA BINULAL
8. JIBIN BIJU DANIEL
9. GANGA P
10. FARZANA SALAM
11. HANNA MARIAM GIJU
12. NIRANJANA PRAVEEN
13. SAM SHIBU
14. NAYANA PRAKASH
15. SITHARA R V
16. KANCHANJANGA G
17. REMIL REJI KEEPPALLIL
18. ARVIN ROY CHEERAN
19. RIYA ANNA AJI
20. NANDANA RAJESH
21. STEFFI SARA WILSON



WASTE MANAGEMENT COURSE REPORT

PG Department Of English

Catholicate College Pathanamthitta

Place: Pathanamthitta

Date: 15/09/2023

Catholicate College Pathanamthitta PG Department of English organized an online Waste Management Course in collaboration with Northamps ENV Solutions for first year BA English students as an add on course. On October 2023, the official inauguration of this Waste Management Course was held online in the presence of the College Principal Dr.Sunil Jacob Sir, Head of the Department Dr.Asha Philipose , teachers and students.

The first class of the Waste Management course started on 8th September 2023 at 7 pm. 21 first year BA English students of Catholicate College English Department participated in the class. It was a 30 hour course in total. Classes were held for 1 hour each day except Sundays.

The classes were conducted by experts from Northamps Solutions.The Waste Management Diploma Course conducted by Northamps Solutions started on 8 September 2023. The first class was conducted by Dr.Ajitha Mam Since it was the first class, the teacher explained us about waste and what waste management is all about. The class lasted for an hour and ended at 8 pm. Attendance was recorded every day through a Google Form. Progress of the students was evaluated every day through daily assessments.

The next day teacher started the class by revising previous day's topic. And started that day's class by discussing the classification of wastes. There were two more Colleges other than our College. The classes were very engaging. On the following day teacher explained us about different types of wastes and different methods of waste disposal. And taught us the types of materials used in RDF, Future of Glass & What is metal.

On the next day Mam told us about the concept of Swachh Bharat. As the end session of the waste management course they taught us the comparison of bioplastics with conventional material and about the traditional plastics and bioplastics.

On October 13th the class sessions of the Waste Management Course ended. On the last day the teacher revised all the topics of this course. All the teachers were very supportive.

As they have told at the beginning of the course, they conducted a final assessment to assess the progress of the students. Arathy Sharma of First Year BA. English was the top scorer from our College in the assessment.

Overall the Waste Management Course was very useful. Everyone enjoyed the classes very much. The feedback of the students were very good. All of us were able to understand the different types of waste materials and disposal methods. We all hope to apply what we have learned through this Course in our lives.

Thank You....





**FEEDBACK ON THE CERTIFICATE COURSE ON 'SCIENTIFIC WASTE MANAGEMENT' ORGANIZED BY
NORTHAMPS FOR CATHOLICATE COLLEGE, PATHANAMTHITTA**

Course title: Scientific waste management

Duration: 15/09/23- 17/10/23

Resource Persons: Dr. Dhanya K R, Dr. Ajitha A R, Midhila C

Organization: Northamps Global Ecosolutions Pvt Ltd

The certificate course started on September 15, 2023 at 7.30 pm and completed on October 17, 2023. The content and curriculum of the course were comprehensive and informative. It covered various aspects of waste management, including the scientific principles, best practices, and relevant legislation. The course material was well-structured, making it easy to follow and understand to the students. The inclusion of case studies and real-world examples greatly enhanced the learning experience. Our resource persons, Dr. Dhanya K R, Dr. Ajitha A R, and Midhila C, demonstrated an in-depth understanding of the subject matter. Their expertise and ability to convey complex concepts in a clear and engaging manner were truly helped the students. The students of Catholicate College, Pathanamthitta were very interactive and studious; their active participation gave us positive energy for the successful completion of the certificate course. Daily assessment and attendance were also maintained for the students. Certificates will be granted to all the students who successfully completed the course.

Northamps would like to extend my gratitude to Department of English, Catholicate College, Pathanamthitta for the nice participation and co-operation all over the course. It will be sure that the students can apply the knowledge that they gained from this course in practical situations and contributing to a more sustainable future.

Thank you

R and D Department

Northamps



List of participants for Inaugural session

11

INAUGURATION OF CERTIFICATE COURSE ON
WASTE MANAGEMENT

Sl.No.	Name	Class	Signature
1.	Steffi Sara Wilson	D ₁ English	
2.	Aksha Roy	D ₁ English	
3.	Rinsha Anna Aji	D ₁ English	
4.	Anusree S	D ₁ English	
5.	Narayana Perakash	D ₁ English	
6.	Swathi R. Sekharan	D ₁ English	
7.	Niranjana Praveen	D ₁ English	
8.	Ameena Abdul Qalam	D ₁ English	
9.	Sithara R.V	D ₁ English	
10.	Pueby	D ₁ English	
11.	Fauzana Qalam	D ₁ English	
12.	Aarathy Shazma A	D ₁ English	
13.	Anakha Prem	D ₁ English	
14.	Aparna S. Rajesh	D ₁ English	
15.	Nandana Rajesh	D ₁ English	
16.	Arundali G. Nalb	D ₁ English	
17.	Al. Ameen	D ₁ English	
18.	Nandhana G. Krishnan	D ₂ Integrated MA	
19.	Sharon Shibu	D ₂ Integrated MA	
20.	Arin Thomas Varghese	D ₄ Integre MA	
21.	Bijin Tilly	D ₁ " "	
22.	Abel Johannan	D ₂ "	
23.	Hari Krishnan	D ₂ "	
24.	P.S. Gadha	I st MA	
25.	Parvathy V.M	"	
26.	Anne Anne Sunny	"	
27.	Nandhana B	D ₂ Integrated Cyh	
28.	Abhinav Shiji	"	
29.	Toel	I MA English	
30.	Krishna Mathan	BA English	



12				13		
30.	K. Krishna	I MA English.		47 Anujalekshmi	4 th In MA	
31.	Akhila A	I M.A English.		48. Gury Mathew	D3 English	
32.	Kanchanjagan	D1 English		49 Fno Philip	D3 English	
33.	Jesu Biju Daniel	D1 English				
34.	Shijin K. Shaji	D1 English				
35.	Shanu K.C	D1 English				
36.	Sam	D1 English.				
37.	Neehar T. Raj	"				
38.	Krishna	"				
39.	Anandhu Sathadevan	"				
40.	Abhijith A.v	"				
41.	Remil Reji	"				
42.	unnikannan	"				
43.	Anandhu Prasad	"	Anand			
44.	Melvin Mathew	"				
45.	Anand. Mahan	D3 English				
46.	Saethalekshmi	4 th Int MA				