

Report on
Project on Design, Development and Conducting Training
Programmes on Circular Economy: Focus on Plastic Sector
(The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs)

Submitted by:
Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs)
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CONTACT US	Error! Bookmark not defined.

i. About the Organisations

GLOBAL INSTITUTE FOR CIRCULAR ECONOMY AND SUSTAINABLE DEVELOPMENT GOALS (ICE&SDGs)

ICE&SDGs is an international think tank, headquartered in Hyderabad, India having associates in Brussels and Vienna, EU, and Columbia, S.America. We aim the advancement of science & technology through new-age research & development while innovating and spurring innovation to foster good governance and support businesses for the social good.

ICE&SDGs serves for enabling businesses and organisations to turn zero waste, zero carbon and carbon neutral. We implement capacity building programmes & awareness campaigns, and provide advisory services to facilitate the transition from a linear to a circular economy.

ICE&SDGs has trained over 400+ individuals & organisations, from all over the globe spanning over 50 countries from Asia, Europe, Africa, South America and North America, for implementation of circular economy in their organisations. ICE&SDGs, in association with Climate-KIC Europe conducted Climathon for startups and have since mentored 37+ circular economy and sustainability start-ups from India, Canada, Bangladesh and other countries.

In 2021, ICE&SDGs developed the International Alliance on Circular Economy and Sustainable Development Goals (IAoCE&SDGs) bringing top Government officials, Funding agencies & Organizations, Businesses, International Experts from European Unions (EU) and SAARC Countries on one platform to march together to meet the UN global goals SDG2030.

ICE&SDGs is also an Advisor & part of the Committee on Circular Economy, Niti Aayog, Government of India.

For more details please visit: <https://www.ce-sdg.org>

MOBIUS FOUNDATION

The Mobius Foundation is a Delhi-based non-profit sustainability think tank, working towards the promotion of sustainability through education and empowerment using various approaches, tools, and technologies for a safe and secure planet. The Foundation was set up in 2015 with a view to mobilizing individuals and communities including a diverse range of International and National Agencies, civil society partners, NGOs, and institutions, to contribute towards the achievement of sustainable development goals (SDGs) specifically goals related to education (Goal 4) and other environment and population goals.

Major programs of the foundation are mentioned below:

International Conference of Sustainability Education (ICSE)

It is a major initiative of the Foundation for strengthening sustainability education through the exchange of ideas and experiences, best practices, case examples, and providing a platform for networking of Sustainability Education professionals, practitioners, and policymakers.

"MISSION SUSTAINABILITY- POPULATION VS. PLANET"

A campaign based on pressing environmental issues due to overpopulation and overconsumption titled "MISSION SUSTAINABILITY- POPULATION VS. PLANET" for English audience on WION Channel and *संभलना ज़रूरी है - जनसंख्या बनाम प्रकृति* for Hindi and regional audience on Zee News and its regional network is also being conducted.

Project Aakar

This program is about shaping the family size for stabilizing the population in the State of Uttar Pradesh. Focussed on building awareness, counseling, facilitation, and influencing attitude towards Family Planning.

Circular Economy

Mobius Foundation is working towards empowering the educational institutions, organizations, and SMEs in Circular Economy as the latest sustainability paradigm that is restorative and regenerative by design.

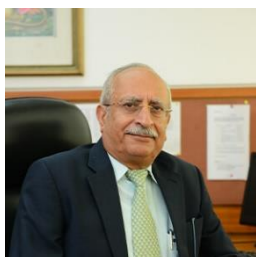
There are many such projects and participation by Mobius Foundation in various other sectors like Education, Youth-oriented program, Plantation drives, Mobile Health Camps, School Support Programs, etc.

For more details please visit: <https://www.mobiusfoundation.in>

ii. Leadership in the Organisations

MR. PRADIP BURMAN

CHAIRPERSON, MOBIUS FOUNDATION



The chairperson of the Mobius Foundation - Mr. Pradip Burman, is an environmentalist, social contributor and prolific business leader. He is a graduate in B.Sc. Mechanical Engineering from MIT in Boston, USA. He established Mobius in 2015, which is a non profit organization working for environmental sustainability and betterment of the society. Mr. Burman's passion and drive towards environmental protection and social welfare does not end here, as he is making some significant contributions through the following entities: Ayurved Limited blends herbal

knowledge with scientific technologies to cater to a variety of animal species, Sanat Products manufactures and markets pharmaceutical, nutraceutical, cosmeceuticals and herbal extracts. After a career spanning decades, he is now giving back to society by devoting himself to the cause of environmental sustainability.

DR. RAM BHOJ

CEO, MOBIUS FOUNDATION



Dr. Ram Bhoj is the co-founder and Board Member of the World Ocean Network, France and Executive Board member of the Conservation for the Oceans Foundation, USA. He has chaired the World Ocean Passport project of the World Ocean Network. He has successfully coordinated a large number of programmes during his 30 years career of working with the academic institutions, voluntary sector, Government and international organizations. He has published over 100 research/ technical papers/ popular articles and 15 books. He has to his credit many

honours, awards and recognitions including the prestigious Science Academy Medal for Young Scientist by Mrs Indira Gandhi, then Prime Minister of India in 1984.

DR. SHALINI SHARMA

FOUNDER DIRECTOR, ICE&SDGs



Dr. Shalini Sharma is the Co-Founder and CEO of **Sanshodhan** and founder of Global Institute for Circular Economy and SDGs (NGO), India. She Innovated the first 'tech-based Circular Economy Platform for e-waste & plastic waste management sector and is continuing to work on development of digital Circular Economy Model for other sectors and Circular Cities. During her tenure with CII, Dr. Sharma served as a consultant to businesses, industry clusters, state governments and lead projects like Low carbon development pathway and E-Waste Management Policy for the State

Govt of Telangana, GHG Accounting of Orissa, India Greenhouse Gas Program and served for the development of Industry & Investment policies for few State Governments in India.

iii. Acknowledgments

This capacity building project is developed by the Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs). The project is jointly funded by Mobius Foundation and ICE&SDGs, India. We acknowledge the support provided by Mobius Foundation, India.

We would like to also acknowledge the support of our knowledge partners, Sanshodhan. We thank Mr. Heinz Werner Engel of Vescobel, Brussels for his expert insights on circular economy.

We thank our international Faculty members:

Dr. Pramod K Sharma, Foundation for Environmental Education
Dr. Maria Jose Lopez, University of Almeria
Mr. Piotr Barczak, European Environmental Bureau
Mr. Rene Van Berkel, UNIDO
Dr. Mushtaq Memon, UNEP

We thank our faculty members from various institutions, industries and organisations:

Ms. Alaka Sarma, Akshar Foundation
Mr. Prashant Lingam, UNDP
Mr. Sagar, UNDP
Dr. Vinu Ravikrishnan, IIT-Madras
Dr. Awkash Kumar, SAGE
Mr. Sandeep Patel, NEPRA
Mr. Ronak Vyas, NEPRA
Mr. Manish Kothari, Rhino Machines
Mr. Gaurav Kaul, Recycleclean
Mr. Abhijeet Singh, Recycleclean
Ms. Garima Mishra, Massive Earth Foundation
Mr. Karthik Kodali, Kalzen Kontech
Mr. Umesh Nayak, Kalzen Kontech
Ms. Manasi Mishra, ITC Limited
Dr. Ashutosh Namdeo, CSIR-NEIST
Ms. Dhara Kabaria, Studio Alternatives
Dr. Sameer Joshi, Indian Plastics Institute
Mr. Prabhjot Singh Sodhi, Former-UNDP

We would also like to thank the observers and reviewers of the Manuals for Implementation of Circular Economy.

We thank the entire team at ICE&SDGs for their efforts in making this capacity building initiative a success.

iv. About the Project

Circular Economy is the latest sustainability paradigm. To facilitate the transition from a linear to a circular economy, Mobius Foundation and the Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs) have now partnered to bring their knowledge and expertise for the “Training of Trainers on Circular Economy” (ToTCE) for ‘Implementation of Circular Economy’. ToTCE guided the participants to act for "closing the loop "through 7Rs viz. Redesign, Reduce, Refrain, Re-use, Refurbish, Recycle, Re-form & practicing other models like shared economy.

Mobius Foundation and the Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs) has collaborated to facilitate to ease out the transition from a linear to a circular economy. Institutes will be imparting their knowledge and expertise through “Training of Trainers on Circular Economy” (ToTCE).

These training of trainers are especially designed for:

- i. Educational NGOs, Institutions, Organisations and Universities
- ii. SMEs (including supply chains of OEMs) working in the Plastics Sector

CIRCULAR ECONOMY GUIDANCE MANUALS AND TOOLKIT

Participants will receive a toolkit that shall enable them design, align and innovate to implement a Circular Economy in their organization. The toolkit will also guide them on leveraging short-term and long -term benefits following the implementation.

Circular Institutions

Guidance Manual & Checklist to accelerate transition from a linear to circular economy, will be made available for free (for registered participants only).

Circular SMEs

Guidance Manual & Checklist for Implementation of Circular Economy, will be available on payment basis.

TRAINING OF TRAINERS ON CIRCULAR ECONOMY EDUCATIONAL INSTITUTIONS

Educational institutions are hubs for learnings & have potential to dynamize the ‘transformation for clean and green tomorrow, for nextGen’. ‘ToTCE’ for Implementation at Educational Institutions’ is specially designed for universities, colleges & schools to enable the learning and equip the institutions to innovate, design and implement circular economy models.

By sharing knowledge about the circular economy with academicians and educationists who are a strong influence on students, ToTCE aims at raising an environment-friendly GenNext. ToTCE will enable the administration /top management to realise the benefits that they will achieve by implementing the circular economy at their organisations.

TRAINING OF TRAINERS ON CIRCULAR ECONOMY PLASTIC SECTOR – SMEs

SMEs are well aware of the benefits of improving resource efficiency by closing the loop, but face several challenges in their transition to a circular economy. These could include the lack of technical skills, financial constraints, or lack of systems and standards to organize, implement and maintain a circular economy. ToTCE for SMEs are designed and developed for SMEs to leverage the benefits through implementation of circular economy & achieve short-term and long-term social, environmental and economic gains through a green transformation.

The ToTCE programme for SMEs aims to equip enterprises for resource-efficient development and economic gains. Greening of SMEs means value addition for OEMs keen to green their company, reduce GHG emissions and reinforce their commitment towards SDG 2030.

TRAINING OF TRAINERS ON CIRCULAR ECONOMY PLASTIC SECTOR

- Virtual classroom sessions with guest speakers, experts & thought leaders
- Presentations, Brainstorming / workshops
- Deep dives/Exercises/ Offline Assignments
- Case Studies and interactive learning (Q&A)
- Discussions on Live Case Studies

CERTIFICATION

Certificate of Attendance will be provided to candidates who register & attend the training for all days.

Certificate of Excellence will be provided to candidates who register & attend the training for all days AND complete all assignments given during the training programme.

UNIQUENESS

ToTCE is unique training of trainers that will provide guidance on 'implementation of circular economy'. Guidance will be provided on unique implementation models, including new approach "Plan-Do-Check-Act (PDCA) Cycle" i.e. an iterative design and management method (Deming circle). The PDCA model is a tool that can be used for exploring and testing multiple solutions in a small, controlled trial; implementing Total Quality Management or Six Sigma initiatives; developing or improving a process that can be applied across industries and organizational types.

IMPLEMENTATION OF CIRCULAR ECONOMY IN THE EDUCATION SECTOR (Project Reports)

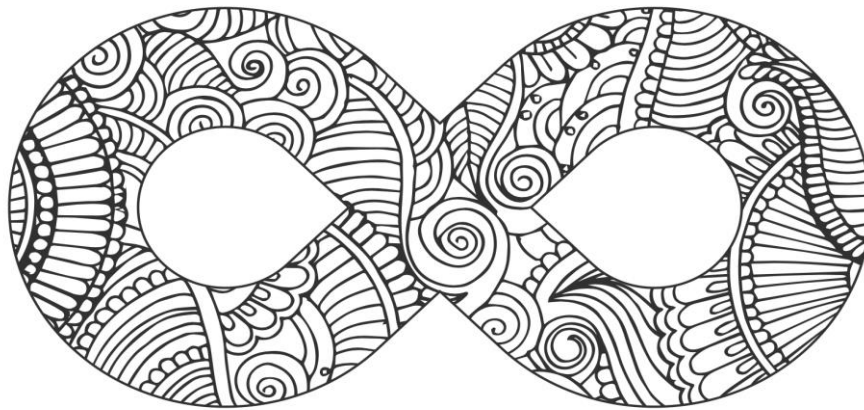
TOTCE-1 (19-23 OCT 2021)

TOTCE-3 (14-16 DEC 2022)

**v. Nationwide Capacity Building Initiative: Implementation of Circular Economy at Educational Institutions (Training of Trainers)
19 – 23 OCT 2021**

No. of registered participants	Flow of Knowledge (No. Of participating countries)	Time	Certificates of Attendance Issued
127	28	18 sessions 1,050 Mins 5 days	30

Certificates of Excellence Issued	No. Of Indian Faculty Members	No. Of International Faculty Members	Report Submitted on
1	7	2	03 November 2021



**Capacity Building on
Implementation of Circular Economy in Educational Institutions
Training of Trainers on Circular Economy (ToTCE)
Date: 19 – 23 October 2021**

***Project on Design, Development and Conducting Training Programmes on Circular Economy
(The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs)
Focus on Plastic Sector***

Report of ToTCE-1, Submitted by:
Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs)

Ref. No.: Report_ToTCE_Training-1_19-23Oct. 2021

ToTCE-1, FLYER-1: Design, Development and Conducting Training Programmes on Circular Economy (The Programme for Training of Trainers on Circular Economy)



IMPLEMENTATION OF CIRCULAR ECONOMY AT EDUCATION INSTITUTIONS (Training of Trainers)

DATE
19 - 23 Oct 2021

TIME
10:00 AM - 12:00 PM IST
06:30 AM - 08:30 AM CEST

SEATS
Seats limited to 100 participants

FEES
Training programme is free of cost for participants from educational institutions

ABOUT THE PROJECT

Circular Economy is the latest sustainability paradigm. The nation-wide capacity-building initiative "Training of Trainers for Circular Economy" is led by a partnership between Mobius Foundation and the Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs). Along with ICE&SDGs and Mobius Foundation, various other international knowledge partners will be imparting their knowledge & expertise for enabling the seamless implementation of circular economy at educational institutions.

This training programme is designed for the trainers from educational institutions, specifically, to train the management team of educational (higher and secondary) institutions AND academic staff.

This training programme is designed to guide the participants to act for 'closing the loop' through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models.

AIM

The training programme aims at developing the vision, mission, mindset, thought leadership and skillset for implementation of circular economy at educational institutions.

KEY BENEFITS

- Build capacity for implementation of circular economy at your organization
- Emerge as a 'Green Institution'
- Learn about National/ International Circular Economy Standard, suitable to prove circularity of your organization
- Learn pedagogical approaches to train your students
- Gain financial benefits
- Contribute to #SDG-11-Sustainable Cities & Communities, #SDG-12-Responsible Production & Consumption and #SDG-13-Climate Change

KNOWLEDGE PARTNERS



WHO SHOULD ATTEND

- Management Team at educational institutions (Principals/Deans/Registrars)
- Academic Staff at educational institutions (Professors/Lecturers/Teachers)
- Students above class IX (Class X/XI/XII/Researcher/Graduate/PG)
- Government officials from departments of education and Ministry of Education, Government of India

COURSE COVERAGE

- Need for learning circular economy for implementation at educational institutions
- Circular economy and pedagogical approaches
- Mainstreaming circular economy thinking for educators
- Integrating circular economy at educational institutions
- How to prepare your institution for circularity
- Methodologies for implementation of circular economy
- Career opportunities for students
- Case Studies
- Exercises

REGISTER ONLINE

<https://bit.ly/3lsd5D2>

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PROJECT: Design, Development and Conducting Training Programmes on Circular Economy (The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs.)

**Report on
Capacity Building on “Implementation of Circular Economy in Educational Institutions”,
Training of Trainers on Circular Economy (ToTCE)**

Date: 19 – 23 October 2021 (5days)

Time: 10:00 – 12:00 HRS IST

Introduction

“Implementation of Circular Economy in Educational Institutions, Training of Trainers on Circular Economy (ToTCE)” is a unique capacity building initiative brought to fruition by the partnership between Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs) and Mobius Foundation.

Along with ICE&SDGs and Mobius Foundation, various other international knowledge partners imparted their knowledge & expertise for enabling the seamless implementation of circular economy at educational institutions. This training programme is designed to guide the participants to act for ‘closing the loop’ through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models.

To do so, the five-days training programme was led by expert speakers spanning from India to Europe in the form of videos, presentations and interactive sessions.

ICE&SDGs herewith submits the report of first training programme on “Implementation of Circular Economy in Educational Institutions”, Training of Trainers on Circular Economy (ToTCE). (Ref. No. Report_ToTCE_Training-1_19-23Oct. 2021).

Course Coverage

The programme was designed to take the participants from a beginner to an expert level in implementation of circular economy.

Day 1 – The first day focused an introductory session on circular economy followed by the various schools of thoughts on circular economy. The day concluded with a case study from a school that already implements circular economy.

Day 2 – The second day started off with the participants learning about the standards and certifications for circular institutions. This was followed by a session on strategy and pedagogical approaches linked to circular economy and a case study on the ways to measure the impact at educational institutions on their journey to circularity.

Day 3 – The third day took the programme through the role of institutions in plastic waste management, preparing the institutes to implement circular economy i.e. assigning responsibilities and preparing the on-campus team along with the education needed for advancing circular economy.

Day 4 – The fourth day started with a session on implementation of circular economy at universities. Then, efficient plastic waste management from a circular economy viewpoint was discussed. The participants were then taken through two real-life examples of plastic waste management initiatives and challenges in aggregation of plastic waste.

Day 5 – The last day focused on career opportunities in circular economy and various ways for teams to learn circular economy followed by a step-by-step live case study.

Participants

The training programme was attended by participants from various organisations spread all over the world. The participants joined the sessions from South America, South East Asia, East Asia, Africa and India.

There were over 128 registrations for the programme. However, seats were limited to 100.

During the programme there were 28 participants that attended the sessions overall.

Details of ToTCE, 19-23 Oct 2021

DAY-1

Inaugural Session

Address by Chief Guest – Shri Ashish Tiwari

The session was graced by the chief guest for the programme, Shri Ashish Tiwari (IFS), Honourable Secretary, Department of Environment, Forest & Climate Change, Government of Uttar Pradesh. Shri Tiwari launched “Implementation of Circular Economy” while discussing the importance and necessity of such a programme. He acknowledged that he has not heard of any other training programme in India such as this one and congratulated ICE&SDGs and Mobius foundation on this initiative. Shri Tiwari envisaged that large scale projects such as this will create an ecosystem that will bring together circular economy professionals, organizations etc. that will lead the way for a circular future, making the world more sustainable.

Shri Tiwari suggested ICE&SDGs and Mobius Foundation to develop online programme and capsule programs for participants to access it as per their convenience, for continued learning.

Opening Remarks by Guest of Honour – Mr. Pradip Burman, Chairperson, Mobius Foundation

Mr. Pradip Burman shared his insights into the need for such a programme. He emphasized that it is important to look at nature to truly understand what sustainability is. Nature is the best example of circular economy. Mr. Burman said that “the planet doesn’t waste anything” and that the future of the planet is in recycling. **Mr. Burman also congratulated all the team members on the launch of “Implementation of Circular Economy”.**

Special Remarks by Project Partner – Dr. Ram Bhoj, CEO, Mobius Foundation

Dr. Ram Bhoj congratulated ICE&SDGs for the training manual and the entire team for the launch of “Implementation of Circular Economy”. He discussed how the project has been in the making for a long time as discussions started before the COVID-19 pandemic.

Dr. Bhoj pointed out that everyone wants a transformation and the transformation to circularity will happen through sustainability education. **Dr. Bhoj concluded the inaugural session by emphasizing that it is crucial to bring a new way of living on this planet that is “sustainable, eco-friendly and climate friendly”.**

Session 1 – Introduction to Circular Economy, Schools of Thoughts on Circular Economy – Dr. Shalini Sharma, ICE&SDGs

The participants were introduced to the concept of circular economy as a whole with an emphasis on why educators need to steer students towards circular economy to create a generation that not just thinks for circularity, but creates a future for circularity. The key principles of circular economy were discussed; design-out waste and pollution, keep products and materials in use and regenerate natural systems. Various schools of thoughts were also discussed such as cradle to cradle approach, performance economy, biomimicry, industrial ecology and blue economy.

Session 2 – Circular Economy at Akshar School – Prof. Alaka Sarma, Akshar School

Prof. Alaka Sarma showed the participants that is built and run on the concept of circularity. They find various uses of plastic and instead of disposing them off. The students also pay their school fees with plastic waste from their homes which is aggregated and either re-used or disposed off in a proper manner. The school teaches circularity from the very beginning and aims to create circular-minded future leaders.

Session 3- Exercise 1 - Circular Economy and Waste Education Guide for Schools/Colleges/Universities and Q&A

The aim of this exercise was to establish the relevance of waste education to the participants' various disciplines. The task given to the participants was to discuss how waste is relevant in the participants' discipline. To accomplish the task, the participants were instructed to divide their students into groups of 4/5 students and asked questions such as what type of wastes are associated with their daily lives and how can the waste be reduced. Full details of the exercise can be found in Annex 6.1.

During this session, announcements were also made regarding the certificates that the participants would be receiving at the end of the programme. All attendees would receive a 'Certificate of Attendance' for attending any of the sessions. Those who attend session and submit 3 out of 4 exercises on or before the deadline would receive "Certificate of Excellence".

ToTCE-1, FLYER-2: Details of Chief Guest, Project Partners, Faculty Members, Participating Organisations and Countries



NATIONWIDE CAPACITY BUILDING INITIATIVE

IMPLEMENTATION OF CIRCULAR ECONOMY AT EDUCATIONAL INSTITUTIONS

TRAINING OF TRAINERS ON CIRCULAR ECONOMY
(Focus Area : Plastic Waste Management)



ICE & SDGs

DATE: 19 - 23 OCT 2021, TIME: 10:00 AM - 12:00 NOON IST/ 06:30 AM - 08:30 AM CEST

HON. CHIEF GUEST



Shri Ashish Tiwari
Secretary, DEF&CC,
Govt. of Uttar Pradesh, India



GUEST OF HONOUR



Mr. Pradip Burman
Chairperson
Mobius Foundation, India



PROJECT PARTNERS



Dr. Ram Bhoj
CEO,
Mobius Foundation, India



PROJECT PARTNERS



Dr. Shalini Sharma
Founder Director,
ICE&SDGs, India
Project Leader



OUR DISTINGUISHED FACULTY MEMBERS



Prof. Alaka Sarma
Akshar Foundation, India





Mr. Heinz Werner Engel
Vescobel, Belgium





Mr. Prashant Lingam
UNDP, India





Dr. Pramod Kumar Sharma
FEE, Denmark





Dr. Vinu R
IIT-Madras, India





Dr. Awkash Kumar
SAGE, India





Mr. Sandeep Patel
NEPRA, India





Mr. Vaikunthe Banerjee
ICE&SDGs, India



OUR PARTICIPANTS FROM VARIOUS ORGANIZATIONS



Centre for Environment Education



IGNOU
THE PEOPLE'S UNIVERSITY



AMITY



UNEP



BITS Pilani



MINISTRY OF HIGHER EDUCATION



ITC Limited



EnviroTagga



teni
The Energy and Resources Institute

Among many others

THEY SPAN THE ENTIRE PLANET



KNOWLEDGE PARTNERS






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DAY-2

Session 1 – Standard and Certification for Circular Institutions – Dr. Shalini Sharma

The participants were introduced to the various standards and certifications that exist for circular institutions. Standards and specifications actively support the Circular Economy. They help unify terminology and interfaces. Various standards and certifications were discussed from various institutes such as The Cradle-to-Cradle Innovation Institute, Ellen MacArthur Foundation, International Organisation for Standardisation, Deutsches Institut Für Normung, Austrian Standards International and the European Commission.

Session 2 – Strategy & Pedagogical Approaches Linked to Circular economy – Mr. Heinz Werner Engel, Vescobel, Brussels

Mr. Engel introduced the participants to many strategies and approaches linked to circular economy. He first pointed out that circular economy is a complex meta-concept. He also emphasized that there is a learning curve to the circular economy concept and it is a process that takes time to implemented in institutions. After linking the need for circular education to the United Nations Global Goals, the challenges that come with pedagogical resources were also discussed. Mr. Engel expressed how implementing

Session 3 – Case Study: Indonesian Government Strategies – Mr. Heinz Werner Engel, Vescobel, Brussels

This case study focused on how to measure the impact at institutions on their journey to circularity. Mr. Engel talked about the Ecomapping and Green School Program; PAKLIM. It is a programme where those involved learn by doing by focusing on environmental and climate change issues where they absorb the maximum amount of information in the minimum of time.

Session 4- Exercise 2 - Embedding Waste Awareness Through Reflection and Q&A

The aim of this exercise was to link wasting awareness to the lectures that the participants would give. The task given to the participants was to encourage students to monitor what they buy and what they throw away. To accomplish the task, students would be asked to reflect on topics such as if they buy something they didn't need or what they did with the waste. Full details of the exercise can be found in Annex 6.2.

An announcement was made to push back the deadline of the submission of exercises as it is the festive season in India. The submission of the exercises was pushed back to 30 November 2021.

DAY-3

Session 1 - Plastic Waste Management: Role of Educational Institutions – Dr. Awkash Kumar, SAGE

The third day started of with Dr. Awkash Kumar discussing the role of educational institutions in plastic waste management. Dr. Kumar took the participants into an in-depth discussion about Plastic waste segregation, cleaning, and preparation for recycling of plastic in the participants' own institutions.

Session 2 - Prepare Your Institute to Implement Circular Economy – Dr. Shalini Sharma

The participants were walked through the approaches to take to prepare their institute for circular economy. The main approach discussed was co-creation. The participants were taken through topics such as nudging through co-creation platforms, co-creation platforms as a success enabler and co-creation in an organisational setting. A case study on single use plastic bans was also discussed.

Dr. Sharma detailed about 'Plan, Do, Check, Act' Model for implementation of circular economy at educational institutions.

Session 3 - Education for Advancing Circular Economy – Dr. Pramod K Sharma, FEE, Denmark

Dr. Pramod K Sharma shared a lot work being done in Europe in terms of circular and sustainable education. He shared real examples of the youth being taught circularity through programmes such as Young Reporters for the Environment, Learn About Forests and Eco-Schools.

Session 4- Exercise 3 - Create Awareness on Recycling and Q&A

The aim of this exercise was to characterize waste as biodegradable and non-degradable, recyclable and non-recyclable and identification of recyclers. To achieve the task, students would be divided into two groups. The first group would identify the type of waste and the second group would download a list of recyclers. Then, the educator would define recycling strategies and share the same with the students and they would then implement it in their groups. Full details of the exercise can be found in Annex 6.3.

Session 4- Exercise 4 - Upcycling and Q&A

The last exercise was also shared on Day 3 as the participants only needed to complete 3 out of 4 exercises to achieve the 'Certificate of Excellence'. The aim of this exercise was to introduce industrial upcycling. To achieve this, the educator would make a small presentation on the topic. After this, the students would be asked to divide in groups and create posters with components of upcycling. Full details of the exercise can be found in Annex 6.4.

DAY-4

Session 1 – Implementation of Circular Economy at Universities – Mr. Heinz Werner Engel, Vescobel, Brussels & Dr. Shalini Sharma

Mr. Engel jumped straight into the details of the 'Plan, Do, Check, Act' Model and continued the topic already introduced by Dr. Pramod Sharma the previous day. The participants were given precise instructions on how to implement the same in their organisations. Dr. Shalini Sharma also added important insights as to implementing them in the context of India. Dr. Sharma emphasized how education of circular economy and proper waste management can lead to a decrease in GHG emissions and negate climate change.

Session 2 – Efficient Plastic Waste Management From a Circular Economy Viewpoint – Dr. R Vinu, IIT-Madras

Dr R Vinu shared his technical expertise and experiences with turning plastic into oil with the participants. He spoke about the environmental benefits and economic opportunities that conversion of "plastic waste into oil" can offer to the current and next generation. ICE&SDGs shared the need to address such hands-on experiences in universities and colleges, motivate students and enable learning among students to facilitate the path to entrepreneurship.

Session 3 – Plastic Waste Management Initiatives of UNDP, India – Mr. Sagar, Project Assistant, United Nations Development Programme (UNDP) India

Mr. Sagar from UNDP India shared with the participants the initiatives that are being taken in terms of plastic waste management. The key components of the project that was discussed were knowledge management, material recovery centres (called 'Swacchta Kendra'), a socio-technical model and institutionalizing *Swacchta Kendra*. The positive impacts of the project were also highlighted such as managing more than 91,000 MT of plastic waste by the end of 6 years, improving the socio-economic conditions of 30,000+ waste pickers and also increasing the income of the same among many others.

Session 4 – Case Study: Challenges in Aggregation – Mr. Ronak Vyas, NEPRA

Mr. Vyas showcased what NEPRA does through a video and then answered questions ask by the participants through his presentation. NEPRA specialise in the collection, segregation, processing and recycling of local dry waste, including plastic. Mr. Vyas shared the process of aggregation of plastic waste and the way that his company has created an automated method through an app to ensure proper disposal and re-use of the waste.

DAY-5

Session 1 - Circular Economy and Career Opportunities – Mr. Vaikunthe Banerjee, ICE&SDGs

The participants were taken through the various career paths that can be taken that will spark an interest in their students to pursue a career in circular economy. The participants were taken through various careers such as an environmental specialist, sustainability specialist or researcher among many others while being given job descriptions that they could share with their students. It was also emphasized that circular economy is a dynamic field and the job market will change significantly over time.

Session 2 – Learn Circular Economy on the Spot – Mr. Heinz Werner Engel, Vescobel, Brussels

To wrap up the theoretical session, Mr. Engel discussed the various methods to teach circular economy on the spot i.e. how to teach it within the institutions by doing rather than by showing. Mr. Engel shared a lot of interested ideas such gamifying the lessons in simulations where participants help each other and innovate solutions rather than being told by an expert what to do, using cartoons to simplify concepts and many more innovate concepts that gave the participants excellent ideas on how to implement circular economy in their institutions.

Session 3 – Live Case Study – Dr. Shalini Sharma

The last sessions of the session took the participants on a journey through an interactive live case study where Dr. Shalini Sharma walked them through a checklist and showed them the full process of implementation of circular economy at their institutions.

This was done by going through the checklist and by the utilizations of ‘polls’ on Zoom, asking the participants what they would do for each step and discussing the outcomes and providing feedback where necessary.

Valedictory Session

The valedictory session was initiated by Dr. Shalini Sharma of ICE&SDGs. Ms. Archana Kushwaha from Mobius Foundation addressed the participants, the team and project partner on behalf of Mobius Foundation while also sharing her views on the training programme.

Dr. Shalini Sharma addressed the participants, the team and project partner on behalf of ICE&SDGs along with her colleague Mr. Vaikunthe Banerjee, thus closing the very first session of ‘Implementation of Circular Economy in Educational Institutions, Training of Trainers on Circular Economy.

COURSE SCHEDULE – TOTCE 1



COURSE COVERAGE & TRAINING SCHEDULE

Nationwide Capacity Building Project IMPLEMENTATION OF CIRCULAR ECONOMY AT EDUCATIONAL INSTITUTIONS

(TRAINING OF TRAINERS ON CIRCULAR ECONOMY- TOTCE)

Focus Area : Plastic Waste Management

DATE: 19-23 Oct 2021; TIME: 10.00 AM -12.00 Noon IST

DATE	10.00-10.44 AM	10.45 -11.15 AM	11.15 -11.45 AM	11.45 AM- 12.00
19 Oct 2021 (10.00am - 10.30am)	Welcome Address Dr Shalini SHARMA, Founder Director, ICE&SDGs (Host- Training Institute)	Introduction of Circular Economy (CE) <i>Shalini Sharma</i>	Circular Economy in Educational Institution Ms Alaka Sarma Akshar School	Day-1 Exercise-1
	Introduction of Project Dr Ram Boojh CEO, Mobius Foundation			
	Special Address Mr Pradip Burman Chairman, Mobius Foundation			
	Inaugural address Mr Ashish Tiwari IFS Secretary, DEF&CC, Government of Uttar Pradesh	Schools of Thoughts on Circular Economy <i>Shalini Sharma</i>		

KNOWLEDGE PARTNERS



	Course Layout & Plan for 5 days programme Dr Shalini Sharma Founder Director, ICE&SDGs			
10.30-10.44am	Ice-breaking Session (participants) Moderated Session			
	Layout Expectations from ToTCE (Participants & faculty members) Moderated Session			
20 Oct 2021	10.00-10.30AM	10.30 -11.15 AM	11.15-11.45 AM	11.45-12Noon
	Circular Institutions: Standard and Certification for Circular Institutions Dr Shalini Sharma, ICE&SDGs	Strategy & Pedagogical Approaches linked to Circular economy Mr Heinz Werner Engel Vescobel, Brussels, Belgium	Case Study Indonesian Govt strategies (How to measure the impact at educational institutions on their journey to circularity) Mr Heinz Werner Engel, Vescobel, Brussels	Day 02 Exercise
21 Oct 2021	10.00-10.45AM	10.45-11.15AM	11.15-11.55AM	11.55-12.00
	Plastic Waste Management : Role of Educational Institutions Dr Awkash Kumar, Sage (TBC)	Prepare Your Institute To Implementation Circular Economy (Pitching to Your Team & Assign Responsibilities) Dr Shalini Sharma, ICE&SDGs	Education for Advancing-Circular Economy Dr Pramod K Sharma, FEE, Copenhagen, Denmark	Discussion/ Q&A

KNOWLEDGE PARTNERS





	10.00-10.30AM	10.30-11.00	11.00-11.30AM	11.30-12.00
22 Oct 2021	Implementation of Circular Economy at Universities <i>(PLAN, DO, CHECK, ACT Model Eberswalde University for Sustainable Management & Communication)</i> Mr. Heinz Werner Engel Vascobel & Dr Shalini SHARMA, ICE&SDGs	Efficient Plastic Waste Management From a Circular Economy Viewpoint Dr R Vinu IIT-M	Plastic Waste Management Initiatives of UNDP, India Mr Prashant Lingam UNDP, India	Challenges in Aggregation : Case Study Mr Sandeep Patel, NEPRA (plastic recycling unit)
23 Oct 2021	10.00-10.30 AM Circular Economy and Career Opportunities Mr V Banerjee, ICE&SDGs	10.30 -11.15 AM Learn Circular Economy on the Spot Mr. Heinz Werner Engel, Vescobel, Brussels	11.15 -11.45 AM Live - Case Study <i>(An educational institution will be sharing their case. & Work With Checklist)</i> Dr Shalini SHARMA, ICE&SDGs	11.45 AM- 12.00 Noon. 1. Guidance for Submission of Exercise ICE&SDGs 2. Valedictory ICE&SDGs and Mobius Team
	Participants to Fill-in : Online feedback form (5minutes) Mr V Banerjee, ICE&SDGs			

KNOWLEDGE PARTNERS



TRAINING PROGRAM VIDEOS ON YOUTUBE – TOTCE 1

Capacity Building on Implementation of Circular Economy in Educational Institutions, 19-23 Oct. 2021.

Video	Date and Time	Status	Link
Video 1 (Day 1)	19 Oct 2021, 10:00 – 12:00 hrs IST	Uploaded	https://youtu.be/6Tv2zhpq0K8
Video 2 (Day 2)	20 Oct 2021, 10:00 – 12:00 hrs IST	Uploaded	https://youtu.be/jEPm6z_WhFE
Video 3 (Day 3)	21 Oct 2021, 10:00 – 12:00 hrs IST	Uploaded	https://youtu.be/fR5XuJ6Xkao
Video 4 (Day 4)	22 Oct 2021, 10:00 – 12:00 hrs IST	Uploaded	https://youtu.be/jA6HDjLXYqw
Video 5 (Day 5)	23 Oct 2021, 10:00 – 12:00 hrs IST	Uploaded	https://youtu.be/Gq1VERaz7Ok

RESULTS OF LIVE CASE STUDY – TOTCE 1

Below are the snapshots from the live case study conducted during the program.

User Name	Submitted Date/Time	1.What type of waste are associated with your daily life? (personal level)	2.Which type waste is mainly coming out of your organisation? (School/ College)	3.How many kg RECYCLABLE waste is generated at your organization, every week?	4.What do you do with the waste being generated at your organisation?
AMIT KUMAR SHARMA	Oct 23, 2021 11:21:27	Plastic	Paper	Electronics	All of above
SHIVAANI VISHWAKARMA	Oct 23, 2021 11:30:23	Plastic	Electronics	Design capsule courses for faculty/ ma	Paper
Rosa Coronado	Oct 23, 2021 11:21:23	Plastic	Electronics	Educate all concerned	Chemicals
Anju Negi	Oct 23, 2021 11:21:32	Plastic	Educate all concerned	Paper	20 Kg per week
Shailender Singh	Oct 23, 2021 11:38:31	Plastic	Wood	Food	Paper
Amarnath Karan	Oct 23, 2021 11:23:02	Plastic	Wood	Paper	Electronics
Shivani Singh	Oct 23, 2021 11:37:23	Plastic	All of above	Paper	5kg per week
Archana Kushwaha	Oct 23, 2021 11:20:09	Plastic	Paper	All of above	Paper
Patricia Iyette Flores Zapata	Oct 23, 2021 11:25:48	Plastic	Food	Paper	Other
Jorge Ueyonahara	Oct 23, 2021 11:28:07	Plastic	All of above	Paper	100 kg per week

User Name	Submitted Date/Time	5.The pace of course was appropriate	6.The exercises are helpful	7.Sessions on which day, were most useful for you?
Archana Kushwaha	Oct 23, 2021 10:29:03	Agree	Agree	Day-2 (Standard & Certification, Strategy and Pedagogical Approaches for Circular Economy, Case Study, Exercise)
Charles G. Pewee	Oct 23, 2021 10:29:51	Disagree	Agree	Day-1 (Introduction of CE, Schools of Thoughts, Case Study, Exercise)
Peter Nyanzu Ackah	Oct 23, 2021 10:30:09	Agree	Agree	Day-2 (Standard & Certification, Strategy and Pedagogical Approaches for Circular Economy, Case Study, Exercise)
Jorge Ueyonahara	Oct 23, 2021 10:30:48	Agree	Agree	Day-4 (PDCA Model, Efficient Plastic Waste management from CE viewpoint, Plastic waste management initiative by UNDP, Challenges in Plastic aggregation)
Shrawan Kumar	Oct 23, 2021 10:30:18	Agree	Agree	Day-1 (Introduction of CE, Schools of Thoughts, Case Study, Exercise)
Shivani Singh	Oct 23, 2021 10:31:09	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)
AMIT KUMAR SHARMA	Oct 23, 2021 10:30:39	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)
Pranav Umesh	Oct 23, 2021 10:30:58	Agree	Agree	Day-4 (PDCA Model, Efficient Plastic Waste management from CE viewpoint, Plastic waste management initiative by UNDP, Challenges in Plastic aggregation)
Amarnath Karan	Oct 23, 2021 10:29:30	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)
Patricia Iyette Flores Zapata	Oct 23, 2021 10:31:04	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)

User Name	Submitted Date/Time	5.Would you like to implement circular economy at your organization?	6.Whats the first step towards implementation of Circular economy at your educational institution?	7.After establishing the conversation, what are the steps required?
AMIT KUMAR SHARMA	Oct 23, 2021 11:21:27	Paper	Electronic	5kg per week
SHIVAANI VISHWAKARMA	Oct 23, 2021 11:30:23	Electronic	50 Kg per week	Segregate the recyclable and non-recyclable waste and throw on respective bins
Rosa Coronado	Oct 23, 2021 11:21:23	20 Kg per week	Segregate the recyclable and non-recyclable waste and throw on respective bins	Yes
Anju Negi	Oct 23, 2021 11:21:32	Segregate the recyclable and non-recyclable waste and throw on respective bins	Yes	All of above
Shailender Singh	Oct 23, 2021 11:38:31	Other	Electronics	Design capsule courses for faculty/ management team/ student groups
Amarnath Karan	Oct 23, 2021 11:23:02	All of above	Plastic	Paper
Shivani Singh	Oct 23, 2021 11:37:23	Segregate the recyclable and non-recyclable waste and throw on respective bins	Yes	All of above
Archana Kushwaha	Oct 23, 2021 11:20:09	Electronic	5kg per week	Segregate the recyclable and non-recyclable waste and throw on respective bins
Patricia Iyette Flores Zapata	Oct 23, 2021 11:25:48	Electronics	All of above	Plastic
Jorge Ueyonahara	Oct 23, 2021 11:28:07	>100kg per week	Segregate the recyclable and non-recyclable waste and throw on respective bins	Yes

User Name	Submitted Date/Time	8.Any more topic can be added in the training programme?	9.Would you recommend this course to your colleagues?	10.What steps you will take to monitor the progress of implementation of circular economy?
Archana Kushwaha	Oct 23, 2021 10:29:03	No	Yes	All of above
Charles G. Pewee	Oct 23, 2021 10:29:51	Yes	Yes	Design Policy for the organisation
Peter Nyanzu Ackah	Oct 23, 2021 10:30:09	Yes	Yes	All of above
Jorge Ueyonahara	Oct 23, 2021 10:30:48	Yes	Yes	Yes
Shrawan Kumar	Oct 23, 2021 10:30:18	Yes	Yes	All of above
Shivani Singh	Oct 23, 2021 10:31:09	Yes	Yes	Segregate the recyclable and non-recyclable waste and throw on respective bins
AMIT KUMAR SHARMA	Oct 23, 2021 10:30:39	Yes	Yes	Ensure recycling
Pranav Umesh	Oct 23, 2021 10:30:58	Yes	Yes	All of above
Amarnath Karan	Oct 23, 2021 10:29:30	No	Yes	Chemicals
Patricia Iyette Flores Zapata	Oct 23, 2021 10:31:04	Yes	Yes	Share the knowledge on circular economy

User Name	Submitted Date/Time	8.How will you implement one of the circular economy model? For eg. Recycling and Resource Recovery from plastic waste	9.Do you think, STARTING RIGHT CONVERSATION and ASKING CORRECT QUESTIONS - is most important part while implementing circular economy?	10.What steps you will take to monitor the progress of implementation of circular economy?
AMIT KUMAR SHARMA	Oct 23, 2021 11:21:27	Segregate the recyclable and non-recyclable waste and throw on respective bins	Yes	Gear up the students
SHIVAANI VISHWAKARMA	Oct 23, 2021 11:30:23	Yes	All of above	Share the knowledge on circular economy
Rosa Coronado	Oct 23, 2021 11:21:23	Conversation with management team	Design Policy for the organisation	Yes
Anju Negi	Oct 23, 2021 11:21:32	All of above	All of above	Plastic
Shailender Singh	Oct 23, 2021 11:38:31	Educate all concerned	Implement digital-system for implementation of circular economy	Yes
Amarnath Karan	Oct 23, 2021 11:23:02	Electronic	5kg per week	Monitor the progress
Shivani Singh	Oct 23, 2021 11:37:23	All of above	Connect with recycler	All of above
Archana Kushwaha	Oct 23, 2021 11:20:09	Yes	All of above	Others
Patricia Iyette Flores Zapata	Oct 23, 2021 11:25:48	Paper	Electronic	All of above
Jorge Ueyonahara	Oct 23, 2021 11:28:07	All of above	Gear up the students	Share the knowledge on circular economy

FEEDBACK FROM PARTICIPANTS – TOTCE 1

The overall feedback from participants was very positive. The poll taken on the last day of the programme showed positive results. Below are the snapshots from the feedback poll.

Oct 23, 2021 10:33 AM						
Meeting ID	Actual Duration (minutes)					
834 8372 3790	120					
User Name	Submitted Date/Time	1. The objectives from the training were met	10. Would you like to collaborate with ICE&SDGs for future training programmes, projects, initiatives?	2. The Presenters were engaging	3. All sessions and the presentation material was relevant	4. The content of the course was organised and easy to follow
Archana Kushwaha	Oct 23, 2021 10:29:03	Agree	Yes	Agree	Agree	Agree
Charles G. Pewee	Oct 23, 2021 10:29:51	To some extent	Yes	Agree	Agree	Need Improvement
Peter Nyanzu Ackah	Oct 23, 2021 10:30:09	Agree	Yes	Agree	Agree	Agree
Jorge Ueyonahara	Oct 23, 2021 10:30:48	To some extent	Yes	Agree	Disagree	Need Improvement
Shrawan Kumar	Oct 23, 2021 10:30:18	Agree	Yes	Agree	Agree	Agree
Shivani Singh	Oct 23, 2021 10:31:09	Agree	Yes	Agree	Agree	Agree
AMIT KUMAR SHARMA	Oct 23, 2021 10:30:39	Agree	Yes	Agree	Agree	Agree
Pranav Umesh	Oct 23, 2021 10:30:58	Agree	Yes	Agree	Agree	Agree
Amanath Karan	Oct 23, 2021 10:29:30	Agree	Yes	Agree	Agree	Agree
Patricia Iyette Flores Zapata	Oct 23, 2021 10:31:04	Agree	Yes	Agree	Agree	Agree

Oct 23, 2021 10:33 AM						
Meeting ID	Actual Duration (minutes)					
834 8372 3790	120					
User Name	Submitted Date/Time	5. The pace of course was appropriate	6. The exercises are helpful	7. Sessions on which day, were most useful for you?	8. Any more topic can be added in the training programme?	9. Would you recommend this course to your colleagues?
Archana Kushwaha	Oct 23, 2021 10:29:03	Agree	Agree	Day-2 (Standard & Certification, Strategy and Pedagogical Approaches for Circular Economy, Case Study, Exercise)	No	Yes
Charles G. Pewee	Oct 23, 2021 10:29:51	Disagree	Agree	Day-1 (Introduction of CE, Schools of Thoughts, Case Study, Exercise)	Yes	Yes
Peter Nyanzu Ackah	Oct 23, 2021 10:30:09	Agree	Agree	Day-2 (Standard & Certification, Strategy and Pedagogical Approaches for Circular Economy, Case Study, Exercise)	Yes	Yes
Jorge Ueyonahara	Oct 23, 2021 10:30:48	Agree	Agree	Day-4 (PDCA Model, Efficient Plastic Waste management from CE viewpoint, Plastic waste management initiative by UNDP, Challenges in Plastic aggregation)	Yes	Yes
Shrawan Kumar	Oct 23, 2021 10:30:18	Agree	Agree	Day-1 (Introduction of CE, Schools of Thoughts, Case Study, Exercise)	Yes	Yes
Shivani Singh	Oct 23, 2021 10:31:09	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)	Yes	Yes
AMIT KUMAR SHARMA	Oct 23, 2021 10:30:39	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)	Yes	Yes
Pranav Umesh	Oct 23, 2021 10:30:58	Agree	Agree	Day-4 (PDCA Model, Efficient Plastic Waste management from CE viewpoint, Plastic waste management initiative by UNDP, Challenges in Plastic aggregation)	Yes	Yes
Amanath Karan	Oct 23, 2021 10:29:30	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)	No	Yes
Patricia Iyette Flores Zapata	Oct 23, 2021 10:31:04	Agree	Agree	Day-3 (Role of Education Sector, Prepare your Institute for CE, Education for advancing CE, Exercise)	Yes	Yes

The participants were invited to suggest the topics to make the training programme more effective. Participants suggested few topics (though all are not relevant to the training) of their interest, and expressed their interest on the topics:

1. Lifecycle assessment of products
2. SDGs as well as environmental issues
3. Areas of expertise that make you competent to work in the field of circular economy
4. Elective courses to be followed by educational institutions as part of their curriculum to enhance knowledge about circular economy
5. Any courses that can be implemented at the undergraduate and postgraduate levels
6. Various textbooks that can be used for circular economy education
7. Experiential learning as a driver of circular economy
8. Bridging the research-policy-practice gap in circular economy.
9. Creating circular school/ college campus, in India.
























CERTIFICATES FOR PARTICIPANTS – TOTCE 1






There were a total of 128 registrations for the programme.

Many participants attended ToTCE on all 5 days and few attended intermittently. Certificate of attendance were sent to the participants on 01 Nov. 2021.

Certificates of Excellence were provided to participants who attended all days of the training programme and completed & submitted all exercises. After the training programme, a small number of individuals submitted the exercises and thus only they were awarded the certificate of excellence.

Snapshot of the names of the participants to whom the certificates are issued are shown below.

Name	Size	Packed Size	Modified
 Amarnath Karan.png	273 509	273 509	2021-11-01 10:53
 Amit Kumar Sharma.png	277 718	277 718	2021-11-01 10:53
 Animesh Ghosh .png	273 952	273 952	2021-11-01 10:53
 Anju Negi.png	269 782	269 782	2021-11-01 10:53
 Ariel Valones.png	271 908	271 908	2021-11-01 10:53
 Charles G. Pewee.png	274 235	274 235	2021-11-01 10:53
 Haniah Nor.png	268 018	268 018	2021-11-01 10:53
 Irene Valones.png	272 123	272 123	2021-11-01 10:53
 Isa Shamim.png	271 223	271 223	2021-11-01 10:53
 Jana Das Chaudhari .png	277 115	277 115	2021-11-01 10:53
 Jaspal Singh Naol.png	275 515	275 515	2021-11-01 10:53
 Jorge Ueyonahara.png	275 865	275 865	2021-11-01 10:53
 Patricia Ivette Flores Za...	283 206	283 206	2021-11-01 10:53
 Peter Nyanzu Ackah.png	278 859	278 859	2021-11-01 10:53
 Pranav Umesh.png	271 920	271 920	2021-11-01 10:53
 Rosa Coronado.png	273 287	273 287	2021-11-01 10:53
 Sai Vinod.png	268 288	268 288	2021-11-01 10:53
 Shailender Singh.png	276 040	276 040	2021-11-01 10:53
 Shilpi Bakshi.png	274 335	274 335	2021-11-01 10:53
 Shinu Vig.png	269 569	269 569	2021-11-01 10:53
 Shivani Singh.png	274 488	274 488	2021-11-01 10:53
 Theam Foo Ng.png	272 591	272 591	2021-11-01 10:53
 Vinita Kumar.png	271 978	271 978	2021-11-01 10:53

Name	Size	Packed Size	Modified
 Archana Kushwaha.png	275 684	275 684	2021-11-02 10:05
 Kavya Singh.png	273 379	273 379	2021-11-02 10:05
 Nidhi Singh.png	272 550	272 550	2021-11-02 10:05
 Shrawan Kumar.png	273 083	273 083	2021-11-02 10:05
 Taniya Katyal.png	273 286	273 286	2021-11-02 10:05

CERTIFICATE OF ATTENDANCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY
CERTIFICATE OF ATTENDANCE

Awarded To

Amit Kumar Sharma

For fulfilling the attendance requirements for the
Nationwide Capacity Building Project
Implementation of Circular Economy in Educational Institutions
by

Conducted by Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Shalini Sharma
Dr. Shalini Sharma
Founder Director, ICE&SDGs

Ram Bhoj
Dr. Ram Bhoj
CEO, Mobius Foundation

Date: 26 October 2021 Certificate ID: ICE&SDGS/Mobius/12/23102021

CERTIFICATE OF EXCELLENCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY
CERTIFICATE OF EXCELLENCE

Awarded To

Name

For fulfilling the attendance requirements and completing required exercises for the
Organisation

Nationwide Capacity Building Project
Implementation of Circular Economy in Educational Institutions
conducted by

Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Shalini Sharma
Dr. Shalini Sharma
Founder Director, ICE&SDGs



Ram Bhoj
Dr. Ram Bhoj
CEO, Mobius Foundation

Date: 01 November 2021 Certificate ID: ICE&SDGS/Mobius/11/23102021

IMPACT AND OUTREACH – TOTCE 1

Marketing

The programme was marketed to a database of over 1000 organisations via email, social media and direct marketing. The marketing campaign increased the national and international visibility of the capacity building initiative jointly implemented by ICE&SDGs and Mobius Foundation. Such large scale marketing attracted participants not just from India, but from all over the world.

Participating Countries

The capacity building programme on ‘Implementation of Circular Economy at Educational Institutions, Training of Trainers on Circular Economy’ attracted participants from India, The United States, Kenya, Hong Kong, Qatar, The Philippines, Nepal, Bangladesh, South Africa, Qatar, Malaysia, Indonesia, Argentina and Peru.

Participating Organisations

This capacity building initiative on ‘Implementation of Circular Economy at Educational Institutions, Training of Trainers on Circular Economy’ was hosted by ICE&SDGs, India. The programme was host to many organisations such as Centre for Environment Education, Ministry of Higher Education, Malaysia, IGNOU, Amity University, University of San Carlos, UNEP, The Energy and Resources Institute, University of Lucknow, ITC Limited, Ministry of Education, Indonesia, Indian Institutes of Technologies, Birla Institute of Technology & Science among many more.

Uniqueness

‘Implementation of Circular Economy in Educational Institutions: Training of Trainers on Circular Economy’ is a unique initiative taken by ICE&SDGs and Mobius Foundation, for the first time, ever in India.

This capacity-building program is turning the tide. It brings about a major change, from conversations about climate change and the circular economy to its application. The program combines fostering knowledge about circular economy and guides the participants with the methodologies and frameworks to implement the same in their establishments.

The training enables the ecosystem to implement the circular economy to combat climate change, enable resource efficiency and resource conservation. This high-impact capacity building initiative is designed and delivered to turn knowledge into action. This project is not about holding discussions, it is about making the change happen.

vi. Capacity Building on Implementation of Circular Economy In Educational Institutions (Training Of Trainers)
14 – 16 DEC 2021

No. of participants	Flow of Knowledge (No. Of participating countries)	Time	Certificates of Attendance Issued
85	20	12 sessions 690 Mins 3 days	26

Certificates of Excellence Issued	No. Of Indian Faculty Members	No. Of International Faculty Members	Report Submitted on
0	5	2	27 December 2021



**Capacity Building on
Implementation of Circular Economy in Educational Institutions
*Training of Trainers on Circular Economy (ToTCE)***

Dates: 14–16 December 2021

***Project on Design, Development and Conducting Training Programmes on Circular Economy
(The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs)
Focus on Plastic Sector***

*Report on ToTCE-3, Submitted by:
Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs)*

Ref. No.: Report_ToTCE_Training-3_14-16 Dec. 2021

ToTCE-3, FLYER-1: Design, Development and Conducting Training Programmes on Circular Economy (The Programme for Training of Trainers on Circular Economy)



Capacity Building On IMPLEMENTATION OF CIRCULAR ECONOMY AT EDUCATIONAL INSTITUTIONS (TRAINING OF TRAINERS ON CIRCULAR ECONOMY - ToTCE) FOCUS AREA: PLASTIC SECTOR

DATE 14 - 16 Dec 2021	SEATS Seats limited to 100 participants
TIME 02:30 PM - 05:30 PM IST 10:00 AM - 01:00 PM CET	FEES Training programme is free of cost for participants from educational institutions

NOTE: PLEASE ENSURE YOU ATTEND THIS TRAINING PROGRAMME, ONCE REGISTERED

ABOUT THE PROJECT

Circular Economy is the latest sustainability paradigm. The nation-wide capacity-building initiative "Training of Trainers for Circular Economy" is led by a partnership between Mobius Foundation and the Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs). Along with ICE&SDGs and Mobius Foundation, various other international knowledge partners will be imparting their knowledge & expertise for enabling the seamless implementation of circular economy at educational institutions.

This training programme is designed for the trainers from educational institutions, specifically, to train the management team of educational (higher and secondary) institutions AND academic staff.

This training programme is designed to guide the participants to act for 'closing the loop' through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models.

AIM

The training programme aims at developing the vision, mission, mindset, thought leadership and skillset for implementation of circular economy at educational institutions.

KEY BENEFITS

- Build capacity for implementation of circular economy at your organization
- Provide a circular pathway to your plastic waste
- Emerge as a 'Green Institution'
- Learn about National/ International Circular Economy Standard, suitable to prove circularity of your organization
- Learn pedagogical approaches to train your students
- Gain financial benefits
- Contribute to #SDG-11-Sustainable Cities & Communities, #SDG-12-Responsible Production & Consumption and #SDG-13-Climate Change

KNOWLEDGE PARTNERS



WHO SHOULD ATTEND

- Management Team at educational institutions (Principals/Deans/Registrars)
- Academic Staff at educational institutions (Professors/Lecturers/Teachers)
- Students above class IX (Class X/XI/XII/Researcher/Graduate/PG)
- Government officials from Ministry of Human Resource Development and Ministry of Education, Government of India

COURSE COVERAGE

- Need for learning circular economy for implementation at educational institutions
- Circular economy and pedagogical approaches
- Mainstreaming circular economy thinking for educators
- Integrating circular economy at educational institutions
- How to prepare your institution for circularity
- Approach and Methodology
- PDCA Model and IES Framework for Mainstreaming Circular Economy
- Methodologies for implementation of circular economy
- Career opportunities for students
- Case Studies
- Exercises

REGISTER ONLINE

<https://bit.ly/3EbtO42>

CONTACT US

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- 📺 <https://bit.ly/3AFXIfs>

PROJECT: Design, Development and Conducting Training Programmes on Circular Economy

(The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs.)

**Report on
Capacity Building on “Implementation of Circular Economy in Educational Institutions”,
Training of Trainers on Circular Economy (ToTCE)**

Date: 14 - 16 December 2021 (3days)

Time: 14:30 – 17:30 HRS IST

Introduction

“Implementation of Circular Economy in Educational Institutions, Training of Trainers on Circular Economy (ToTCE)” is a unique capacity building initiative brought to fruition by the partnership between Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs) and Mobius Foundation.

Along with ICE&SDGs and Mobius Foundation, various other international knowledge partners imparted their knowledge & expertise for enabling the seamless implementation of circular economy at educational institutions. This training programme is designed to guide the participants to act for ‘closing the loop’ through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models.

To do so, the three-days training programme was led by expert speakers spanning from India to Europe in the form of videos, presentations and interactive sessions.

ICE&SDGs herewith submits the report of first training programme on “Implementation of Circular Economy in Educational Institutions”, Training of Trainers on Circular Economy (ToTCE). (Ref. No. Report_ToTCE_Training-3_14-16Dec. 2021).

Course Coverage

The programme was designed to take the participants from a beginner to an expert level in implementation of circular economy.

Day 1 – The first day focused an introductory session on circular economy followed by the various schools of thoughts on circular economy and the opportunities and benefits in the plastic sector. The day concluded with a case study from a school that already implements circular economy.

Day 2 – The second day started off with the participants learning about the role of educational institutions in plastic waste management. This was followed by a session on the PDCA model for the implementation of circular economy. This was followed by a session on strategy and pedagogical approaches linked to circular economy and a case study on the ways to measure the impact at educational institutions on their journey to circularity and a case study on NEPRA.

Day 3 – The last day focused on career opportunities in circular economy followed by the standard and certifications that institutions can look into for circular economy. This was followed by two case studies on using plastic waste to design offices and workspaces and the WOW initiative by ITC. This was followed by a live step-by-step case study where the participants were walked through how to implement circular economy in their institutions.

Participants

The training programme was attended by participants from various organisations spread all over the world. The participants joined the sessions from South America, South East Asia, Africa and India.

There were over 85 registrations for the programme.

During the programme there were 27 participants that attended the sessions overall.

Details of ToTCE, 14-16 Dec 2021

DAY-1

Session 1 – Introduction to Circular Economy AND Schools of Thoughts on Circular Economy – Dr. Shalini Sharma, ICE&SDGs

The participants were introduced to the concept of circular economy as a whole with an emphasis on why educators need to steer students towards circular economy to create a generation that not just thinks for circularity, but creates a future for circularity. The key principles of circular economy were discussed; design-out waste and pollution, keep products and materials in use and regenerate natural systems. Various schools of thoughts were also discussed such as cradle to cradle approach, performance economy, biomimicry, industrial ecology and blue economy.

Session 2 – Circular Economy in Plastic Sector: Opportunities and Benefits – Dr. Mushtaq Memon, UNEP

Dr. Mushtaq Memon took the participants through the various opportunities and benefits that they can expect in the plastic sector while aiming to become circular institutions. This was followed by an interactive session where Dr. Memon engaged with the participants and answered their questions related to circularity.

Session 3 – Circular Economy at Akshar School – Prof. Alaka Sarma, Akshar School

Prof. Alaka Sarma showed the participants that is built and run on the concept of circularity. They find various uses of plastic and instead of disposing them off. The students also pay their school fees with plastic waste from their homes which is aggregated and either re-used or disposed off in a proper manner. The school teaches circularity from the very beginning and aims to create circular-minded future leaders.

ToTCE-3, FLYER-2: Details of Project Partners, Faculty Members, Participating Organisations and Countries



CAPACITY BUILDING ON

IMPLEMENTATION OF CIRCULAR ECONOMY IN EDUCATIONAL INSTITUTIONS

TRAINING OF TRAINERS ON CIRCULAR ECONOMY
(Focus Area : Plastic Sector)



DATE: 14 - 16 DEC 2021, TIME: 14:30 - 17:30 HRS IST/ 10:00 - 13:00 HRS CET

GUEST OF HONOUR



Mr. Pradip Burman
Chairperson
Mobius Foundation, India

PROJECT PARTNERS



Dr. Ram Bhoj
CEO,
Mobius Foundation, India



Dr. Shalini Sharma
Founder Director,
ICE&SDGs, India
Project Leader

OUR DISTINGUISHED FACULTY MEMBERS



Dr. Mushtaq Memon
UNEP, Bangkok



Mr. Heinz Werner Engel
Vescobel, Belgium







Mr. Manasi Mishra
ITC Limited, India





Dr. Ashutosh Namdeo
CSIR-NEIST, India





Prof. Alaka Sarma
Akshar Foundation, India





Ms. Dhara Kabaria
Studio Alternatives , India



OUR PARTICIPANTS FROM VARIOUS ORGANIZATIONS



The Energy and Resources Institute



IMS UNISON UNIVERSITY
Nurturing Knowledge, Empowering Youth.



CIRCULAR DESIGN
NAIROBI



Ambedkar University Delhi



Indian Red Cross Society




THEY SPAN THE ENTIRE PLANET



KNOWLEDGE PARTNERS






CONTACT US

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gice.sdg@gmail.com
 WhatsApp: +91 9959927900
 Twitter: /SdgIce
 LinkedIn: /circulareconomyandsdgs/

DAY-2

Session 1 – Plastic Waste Management: Role of Educational Institutions – Dr. Ashutosh Namdeo, CSIR-NEIST

The second day started off with Dr. Ashutosh Namdeo discussing the role of educational institutions in plastic waste management. Dr. Namdeo took the participants through an in-depth discussion about plastic waste segregation while emphasizing how much waste is actually produced per city in India while also discussing the types of plastic waste that is most prominent. He also discussed other important topics such as e-waste generation, strategies for plastic waste utilization, biomass conversion to fuel and e-waste utilization.

Session 2 - Prepare Your Institute to Implement Circular Economy – Dr. Shalini Sharma, ICE&SDGs

The participants were walked through the approaches to take to prepare their institute for circular economy. The main approach discussed was co-creation. The participants were taken through topics such as nudging through co-creation platforms, co-creation platforms as a success enabler and co-creation in an organisational setting. A case study on single use plastic bans was also discussed. Dr. Sharma detailed about 'Plan, Do, Check, Act' Model for implementation of circular economy for educational institutions. Dr. Sharma also discussed the exercises that the participants will need to submit in order to achieve the "Certificate of Excellence". These exercises can be found in Annex. 6.

Session 3 – Strategy & Pedagogical Approaches Linked to Circular economy & Case Study: Indonesian Government Strategies – Mr. Heinz Werner Engel, Vescobel, Brussels

Mr.

Engel introduced the participants to many strategies and approaches linked to circular economy. He first pointed out that circular economy is a complex meta-concept. He also emphasized that there is a learning curve to the circular economy concept and it is a process that takes time to implemented in institutions. After linking the need for circular education to the United Nations Global Goals, the challenges that come with pedagogical resources were also discussed. Mr. Heinz then took the participants through a case study. This case study focused on how to measure the impact at institutions on their journey to circularity. Mr. Engel talked about the Ecomapping and Green School Program; PAKLIM. It is a programme where those involved learn by doing by focusing on environmental and climate change issues where they absorb the maximum amount of information in the minimum of time.

Session 4 – Video Case Study: NEPRA

Mr. Vyas showcased what NEPRA does through a video and then answered questions ask by the participants through his presentation. NEPRA specialise in the collection, segregation, processing and recycling of local dry waste, including plastic. Mr. Vyas shared the process of aggregation of

plastic waste and the way that his company has created an automated method through an app to ensure proper disposal and re-use of the waste.

DAY-3

Session 1 - Circular Economy and Career Opportunities – Mr. Vaikunthe Banerjee, ICE&SDGs

The participants were taken through the various career paths that can be taken that will spark an interest in their students to pursue a career in circular economy. The participants were taken through various careers such as an environmental specialist, sustainability specialist or researcher among many others while being given job descriptions that they could share with their students. It was also emphasized that circular economy is a dynamic field and the job market will change significantly over time.

Session 2 - Circular Institutions: Standard and Certification for Circular Institutions – Dr. Shalini Sharma, ICE&SDGs

The participants were introduced to the various standards and certifications that exist for circular institutions. Standards and specifications actively support the Circular Economy. They help unify terminology and interfaces. Various standards and certifications were discussed from various institutes such as The Cradle-to-Cradle Innovation Institute, Ellen MacArthur Foundation, International Organisation for Standardisation, Deutsches Institut Für Normung, Austrian Standards International and the European Commission. Dr. Sharma also presented about Indian standard on circular economy and digital standard, RE-CIRCULATE™

Session 3 - Plastic Waste for De-signing Offices/Homes - Ms. Dhara Kabaria, Studio Alternatives

Ms. Dhara Kabaria from Studio Alternatives discussed her organisation which works towards using waste to design furniture and fixtures in office spaces. The participants were shown examples of the various projects the organisation had undertaken which was followed by an interactive session where Ms. Kabaria interacted with the participants.

Session 4 - WOW Initiative for Schools by ITC - Ms. Manasi Mishra, ITC

Ms. Manasi Mishra from ITC is the head of the WOW initiative. The session discussed the various aspects of the initiatives and its reach as of now. The participants then joined in on an interactive session where they asked various questions about implementation of plastic waste management strategies in their own institutions.

Valedictory Session

The valedictory session was initiated by Dr. Shalini Sharma of ICE&SDGs. Mr. Shrawan Kumar, Mobius Foundation addressed the participants, the team and project partner on behalf of Mobius Foundation while also shared his views on the training programme.

Dr. Shalini Sharma addressed the participants, the team and project partner on behalf of ICE&SDGs along with her colleague Mr. Vaikunthe Banerjee, thus closing the ToTCE-Education Sector on 'Implementation of Circular Economy in Educational Institutions, Training of Trainers on Circular Economy.

COURSE SCHEDULE – TOTCE 3



COURSE COVERAGE & TRAINING SCHEDULE

Capacity Building Project
IMPLEMENTATION OF CIRCULAR ECONOMY IN EDUCATIONAL INSTITUTIONS
(TRAINING OF TRAINERS ON CIRCULAR ECONOMY- TOTCE)
Focus Area: Plastic Waste Management

DATE: 14-16 Dec. 2021; TIME: 14.30-17.30 Hrs IST

DATE/TIME	2.30-3.15pm	3.30-4.15 pm	4.15-5.25pm	5.25-5.40 pm
14 Dec. 2021	Welcome Address Mr P Burman, Shrawan Kumar Shalini Sharma, ICE&SDGs	Introduction of Circular Economy (CE) Shalini Sharma	Circular Economy in Plastic Sector: Opportunities & Benefits Dr. Mushtaq Memon UNEP	Akshar School (Case Study) Prof. Alaka Sarma
	Course Layout & Plan for 5 days programme Dr Shalini Sharma Founder Director, ICE&SDGs	Schools of Thoughts on Circular Economy Shalini Sharma		
	Ice-breaking Session (participants) Moderated Session			
	Layout Expectations from ToTCE (Participants & faculty members) Moderated Session			

KNOWLEDGE PARTNERS



DATE/TIME	2.30-3.30 pm	3.30-4.00 pm	4.15-5.15 pm	5.15 - 5.30pm	
15 Dec 2021	Plastic Waste Management: Role of Educational Institutions, Dr. Ashutosh Namdeo, CSIR-NEIST	Prepare Your Institute to Implement Circular Economy & Implementation of Circular Economy at Universities (PLAN, DO, CHECK, ACT Model) Dr Shalini Sharma, ICE&SDGs	Strategy & Pedagogical Approaches linked to Circular economy & Case Study (Indonesia) Mr Heinz Werner Engel Vescobel, Brussels, Belgium	NEPRA Video Case Study	
16 Dec 2021	Circular Economy and Career Opportunities Mr V Banerjee, ICE&SDGs Participants to Fill-in: Online feedback form (5minutes) Mr V Banerjee, ICE&SDGs	Circular Institutions: Standard and Certification for Circular Institutions Dr Shalini Sharma, ICE&SDGs	Plastic Waste for Designing Offices/Homes Ms. Dhara Kabaria & Ms. Sonali Phadke Studio Alternatives	WOW Initiative for Schools by ITC Ms. Manashi Mishra ITC	Live - Case Study (An educational institution will be sharing their case. OR Exercise: Communication & Strategy) Dr Shalini Sharma, ICE&SDGs
				1. Guidance for Submission of Exercise ICE&SDGs 2. Valedictory ICE&SDGs and Mobius Team	

KNOWLEDGE PARTNERS



TRAINING PROGRAM VIDEOS ON YOUTUBE – TOTCE 3

Capacity Building on Implementation of Circular Economy in Educational Institutions, 14-16 Dec 2021

Video	Date and Time	Status	Link
Video 1 (Day 1)	14 Dec 2021, 14:30 – 17:30 hrs IST	Uploaded	Session 1: https://youtu.be/8mhnVfg5SjU Session 2: https://youtu.be/n_ObKdOdDH4
Video 2 (Day 2)	15 Dec 2021, 14:30 – 17:30 hrs IST	Uploaded	Session 1: https://youtu.be/NL6MCaurgTE Session 2 & 3: https://youtu.be/l-SUQJorRY
Video 3 (Day 3)	16 Dec 2021, 14:30 – 17:30 hrs IST	Uploaded	https://youtu.be/TyBHm84NOII

RESULTS OF LIVE CASE STUDY – TOTCE 3

Below are the snapshots from the live case study conducted during the program.

User Name	Submitted Date/Time	1.What type of waste are associated with your daily life?	2.Which type of waste is mainly coming out of your organisation (School/ College)?	3.How many Kg RECYCLABLE WASTE is generated in your organisation, every week?	4.What do you do with waste being generated at your organisation?
Richard Addai Buabeng	Dec 16, 2021 15:39:27	Plastic	Plastic	50	Send to landfill
Yves Tchuidjang	Dec 16, 2021 15:47:55	Plastic	Plastic	20	Send to landfill
Kritika Mathur	Dec 16, 2021 15:38:30	All of above	Plastic	10	Throw out as usual
Charlene Sharpe	Dec 16, 2021 15:47:06	All of above	Plastic	100	Send to landfill
Olabisi Adebawo	Dec 16, 2021 15:41:29	All of above	Plastic	>100	Segregate it and store it
Shivani Vishwakarma	Dec 16, 2021 15:57:50	All of above	Plastic	>100	Segregate and recycle it
Priyadarshi Maurya	Dec 16, 2021 15:42:32	Plastic	Paper	10	Send to landfill
Athena Joseph	Dec 16, 2021 15:38:40	All of above	Plastic	10	Segregate and recycle it
Shrawan Kumar	Dec 16, 2021 15:50:15	Paper	Paper	40	Segregate and recycle it
Wekesa Zablou	Dec 16, 2021 15:52:37	All of above	Paper	100	Throw out as usual
Gwynne Foster	Dec 16, 2021 15:44:19	Plastic	Others	10	Segregate and recycle it
Vikram Deshmukh	Dec 16, 2021 15:47:32	Paper	Paper	10	Segregate and recycle it
Vaikunthe Banerjee	Dec 16, 2021 15:53:58	All of above	Others	10	Segregate it and store it
Paramjeet Kaur Dhillon	Dec 16, 2021 15:42:48	All of above	Electronics	20	Segregate and recycle it
Mashego Maleka	Dec 16, 2021 15:41:22	All of above	Plastic	20	Send to landfill
Inna Semenenko	Dec 16, 2021 15:37:04	Paper	Others	10	Throw out as usual

User Name	Submitted Date/Time	5.Would you like to implement Circular Economy at your organisation?	6.What's the first step towards implementing circular economy at your organisation?	7.After establishing the conversation, what are the steps required?
Richard Addai Buabeng	Dec 16, 2021 15:39:27	Choice 1 Yes	Conversation with Management	Share knowledge on circular economy
Yves Tchuidjang	Dec 16, 2021 15:47:55	Choice 1 Yes	Conversation with Management	Design vision and mission
Kritika Mathur	Dec 16, 2021 15:38:30	Choice 1 Yes	All of above	All of above
Charlene Sharpe	Dec 16, 2021 15:47:06	Choice 1 Yes	All of above	All of above
Olabisi Adebawo	Dec 16, 2021 15:41:29	Choice 1 Yes	All of above	All of above
Shivani Vishwakarma	Dec 16, 2021 15:57:50	Choice 1 Yes	All of above	All of above
Priyadarshi Maurya	Dec 16, 2021 15:42:32	Choice 1 Yes	Conversation with Management	Design vision and mission
Athena Joseph	Dec 16, 2021 15:38:40	Choice 1 Yes	All of above	All of above
Shrawan Kumar	Dec 16, 2021 15:50:15	Choice 1 Yes	Conversation with Management	All of above
Wekesa Zablou	Dec 16, 2021 15:52:37	Choice 1 Yes	Conversation with Management	All of above
Gwynne Foster	Dec 16, 2021 15:44:19	Choice 1 Yes	All of above	All of above
Vikram Deshmukh	Dec 16, 2021 15:47:32	Choice 1 Yes	All of above	All of above
Vaikunthe Banerjee	Dec 16, 2021 15:53:58	Choice 1 Yes	All of above	All of above
Paramjeet Kaur Dhillon	Dec 16, 2021 15:42:48	Choice 1 Yes	All of above	All of above
Mashego Maleka	Dec 16, 2021 15:41:22	Choice 1 Yes	Conversation with Management	All of above
Inna Semenenko	Dec 16, 2021 15:37:04	Choice 1 Yes	Make a team	Share knowledge on circular economy

User Name	Submitted Date/Time	8.How will you implement the circular economy model?	9.Do you think 'starting right conversation' and 'asking correct questions' is the most important part for implementing circular economy ?	10.What steps you will take to monitor the implementation of circular economy?
Richard Addai Buabeng	Dec 16, 2021 15:39:27	By establishing the mechanism for segregation of recyclable and non-recyclable	Yes	All of above
Yves Tchuidjang	Dec 16, 2021 15:47:55	By establishing the mechanism for segregation of recyclable and non-recyclable	Yes	All of above
Kritika Mathur	Dec 16, 2021 15:38:30	All of above	Yes	All of above
Charlene Sharpe	Dec 16, 2021 15:47:06	All of above	Yes	All of above
Olabisi Adebawo	Dec 16, 2021 15:41:29	All of above	Yes	All of above
Shivani Vishwakarma	Dec 16, 2021 15:57:50	All of above	Yes	Implement digital system for implementation of circular economy
Priyadarshi Maurya	Dec 16, 2021 15:42:32	By establishing the mechanism for segregation of recyclable and non-recyclable	Yes	Educate all concerned
Athena Joseph	Dec 16, 2021 15:38:40	All of above	Yes	Monitor data
Shrawan Kumar	Dec 16, 2021 15:50:15	All of above	Yes	Monitor data
Wekesa Zablon	Dec 16, 2021 15:52:37	All of above	Yes	All of above
Gwynne Foster	Dec 16, 2021 15:44:19	None of above	Yes	All of above
Vikram Deshmukh	Dec 16, 2021 15:47:32	By recycling	Yes	All of above
Vaikunthe Banerjee	Dec 16, 2021 15:53:58	By establishing the mechanism for segregation of recyclable and non-recyclable	Yes	All of above
Paramjeet Kaur Dhillon	Dec 16, 2021 15:42:48	By up cycling	Yes	Implement digital system for implementation of circular economy
Mashego Maleka	Dec 16, 2021 15:41:22	All of above	Yes	All of above
Inna Semenenko	Dec 16, 2021 15:37:04	All of above	Yes	Educate all concerned

FEEDBACK FROM PARTICIPANTS – TOTCE 3

Below are the snapshots from the feedback poll.

User Name	Submitted Date/Time	1.The objectives from the training were met?	2.The presenters were engaging?	3.The content of the course was easy to follow?	4.The pace of course was appropriate?
Richard Addai Buabeng	Dec 16, 2021 17:10:28	Choice 1 Yes	Agree	Yes	Choice 2 Dis agree
Sanket Shah	Dec 16, 2021 17:11:17	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Yves Tchuidjang	Dec 16, 2021 17:10:28	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Kritika Mathur	Dec 16, 2021 17:09:51	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Charlene Sharpe	Dec 16, 2021 17:10:20	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Olabisi Adebawo	Dec 16, 2021 17:10:33	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Shrawan Kumar	Dec 16, 2021 17:10:11	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Gwynne Foster	Dec 16, 2021 17:10:12	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Paramjeet Kaur Dhillon	Dec 16, 2021 17:10:15	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Harrison Ebuka Eze	Dec 16, 2021 17:10:22	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Mashego Maleka	Dec 16, 2021 17:10:21	Choice 1 Yes	Agree	Yes	Choice 1 Agree
Inna Semenenko	Dec 16, 2021 17:09:50	Choice 1 Yes	Agree	Yes	Choice 1 Agree

User Name	Submitted Date/Time	5.Are the exercises helpful?	6.Sessions on which day were most helpful?	7.Any more topic cane added in the training program? If yes, please type in chat box
Richard Addai Buabeng	Dec 16, 2021 17:10:28	Choice 1 Yes	Choice 3 Day-3	Choice 1 Yes
Sanket Shah	Dec 16, 2021 17:11:17	Choice 1 Yes	Choice 2 Day-2	Choice 2 No
Yves Tchuidjang	Dec 16, 2021 17:10:28	Choice 1 Yes	Choice 3 Day-3	Choice 1 Yes
Kritika Mathur	Dec 16, 2021 17:09:51	Choice 1 Yes	Choice 3 Day-3	Choice 2 No
Charlene Sharpe	Dec 16, 2021 17:10:20	Choice 1 Yes	Choice 3 Day-3	Choice 1 Yes
Olabisi Adebawo	Dec 16, 2021 17:10:33	Choice 1 Yes	Choice 3 Day-3	Choice 2 No
Shrawan Kumar	Dec 16, 2021 17:10:11	Choice 1 Yes	Choice 3 Day-3	Choice 1 Yes
Gwynne Foster	Dec 16, 2021 17:10:12	Choice 2 No	Choice 2 Day-2	Choice 1 Yes
Paramjeet Kaur Dhillon	Dec 16, 2021 17:10:15	Choice 1 Yes	Choice 3 Day-3	Choice 1 Yes
Harrison Ebuka Eze	Dec 16, 2021 17:10:22	Choice 1 Yes	Choice 2 Day-2	Choice 2 No
Mashego Maleka	Dec 16, 2021 17:10:21	Choice 1 Yes	Choice 2 Day-2	Choice 1 Yes
Inna Semenenko	Dec 16, 2021 17:09:50	Choice 1 Yes	Choice 1 Day-1	Choice 2 No

User Name	Submitted Date/Time	8.Would you recommend this course to your colleagues?	9.Would you like to collaborate with ICE&SDGs
Richard Addai Buabeng	Dec 16, 2021 17:10:28	Choice 1 Yes	Choice 1 Yes
Sanket Shah	Dec 16, 2021 17:11:17	Choice 1 Yes	Choice 1 Yes
Yves Tchuidjang	Dec 16, 2021 17:10:28	Choice 1 Yes	Choice 1 Yes
Kritika Mathur	Dec 16, 2021 17:09:51	Choice 1 Yes	Choice 1 Yes
Charlene Sharpe	Dec 16, 2021 17:10:20	Choice 1 Yes	Choice 1 Yes
Olabisi Adebawo	Dec 16, 2021 17:10:33	Choice 1 Yes	Choice 1 Yes
Shrawan Kumar	Dec 16, 2021 17:10:11	Choice 1 Yes	Choice 1 Yes
Gwynne Foster	Dec 16, 2021 17:10:12	Choice 1 Yes	Choice 1 Yes
Paramjeet Kaur Dhillon	Dec 16, 2021 17:10:15	Choice 1 Yes	Choice 1 Yes
Harrison Ebuka Eze	Dec 16, 2021 17:10:22	Choice 1 Yes	Choice 1 Yes
Mashego Maleka	Dec 16, 2021 17:10:21	Choice 1 Yes	Choice 1 Yes
Inna Semenenko	Dec 16, 2021 17:09:50	Choice 1 Yes	Choice 1 Yes

CERTIFICATES FOR PARTICIPANTS – TOTCE 3

There were a total of 83 registrations for the programme.

27 participants attended the training sessions regularly over the 3-day training programme.

Certificates of Excellence were provided to participants who attended all days of the training programme and completed & submitted all exercises. After the training programme, a small number of individuals submitted the exercises and thus only they were awarded the certificate of excellence.

Snapshot of the names of the participants to whom the certificates are issued are shown below.

 Abeer Hassan.png	293 608	293 608
 Aftab Momin.png	292 064	292 064
 Akansha Aggarwal.png	298 193	298 193
 Aman Gupta.png	290 110	290 110
 Asra Sayyeda.png	287 798	287 798
 Chandimal Ranathunga...	304 273	304 273
 Charlene Sharpe.png	286 985	286 985
 Gwynne Foster.png	294 797	294 797
 Harrison Ebuka Eze.png	296 964	296 964
 Inna Semeneko.png	297 115	297 115
 Kavya Singh Yadav.png	296 010	296 010
 Kritika Mathur.png	290 983	290 983
 Mashego Maleka.png	293 934	293 934
 Olabisi Adebawo.png	288 897	288 897
 Paramjeet Kaur Dhillon....	300 993	300 993
 Priyadarshi Maurya.png	289 016	289 016
 Richard Addai Buabeng....	300 100	300 100
 Sai Suraj Gadey.png	290 286	290 286
 Sanket Shah.png	295 665	295 665
 Shivani Vishwakarma.png	300 690	300 690
 Shrawan Kumar.png	288 821	288 821
 Shruthi Sugunan.png	294 163	294 163
 Umme Hajira.png	290 781	290 781
 Vikram Deshmukh.png	296 961	296 961
 Wekesa Zablon.png	291 782	291 782
 Yves Tchuidjang.png	300 627	300 627

CERTIFICATE OF ATTENDANCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY CERTIFICATE OF ATTENDANCE

Awarded To

Kavya Singh Yadav

Mobius Foundation

for fulfilling the attendance requirements for the

Nationwide Capacity Building Project

Implementation of Circular Economy in Educational Institutions

conducted by

Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Dr. Shalini Sharma, Founder Director
Global Institute for Circular Economy & SDGs

Date: 20 December 2021

Dr. Ram Bhoj, CEO
Mobius Foundation

Certificate ID: ICE&SDGS/Mobius/67/20122021

CERTIFICATE OF EXCELLENCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY CERTIFICATE OF EXCELLENCE

Awarded To

Name

For fulfilling the attendance requirements and completing required exercises for the

Organisation

Nationwide Capacity Building Project

Implementation of Circular Economy in Educational Institutions

conducted by

Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Dr. Shalini Sharma
Founder Director, ICE&SDGs

Date: 01 November 2021



Dr. Ram Bhoj
CEO, Mobius Foundation

Certificate ID: ICE&SDGS/Mobius/11/23102021

IMPACT AND OUTREACH – TOTCE 3

Marketing

The programme was marketed to a database of over 900 organisations via email, social media and direct marketing. The marketing campaign increased the national and international visibility of the capacity building initiative jointly implemented by ICE&SDGs and Mobius Foundation. Such large-scale marketing attracted participants not just from India, but from all over the world.

Participating Countries

The capacity building programme on ‘Implementation of Circular Economy at Educational Institutions, Training of Trainers on Circular Economy’ attracted participants from India, Nigeria, Argentina, South Africa, Thailand, Cameroon, Ghana, Mexico, Germany, Ethiopia, Saint Kitts and Nevis, Kenya, United Kingdom, Belgium, Jamaica, Ukraine, Chad, Ecuador and Philippines.

Participating Organisations

This capacity building initiative on ‘Implementation of Circular Economy at Educational Institutions, Training of Trainers on Circular Economy’ was hosted by ICE&SDGs, India. The programme was host to many organisations such as Sri Sathya Institute of Higher Learning, Universidad Nacional de Río Cuarto, Tech Mahindra, Corporate Governance Advisory Services, Asian Institute of Technology, Vasantdada Sugar institute, University of Nigeria, Ethiopians Public Health Institute and Indian Red Cross Society among many more.

Uniqueness

‘Implementation of Circular Economy in Educational Institutions: Training of Trainers on Circular Economy’ is a unique initiative taken by ICE&SDGs and Mobius Foundation, for the first time, ever in India. ToTCE-Education sector, 14-16 Dec 2021, was the second programme in India, conducted for transformation of linear educational institutions, into ‘Circular Campus’.

This capacity-building program is turning the tide. It brings about a major change, from conversations about climate change and the circular economy to its application. The program combines fostering knowledge about circular economy and guides the participants with the methodologies and frameworks to implement the same in their establishments.

The training enables the ecosystem to implement the circular economy to combat climate change, enable resource efficiency and resource conservation. This high-impact capacity building initiative is designed and delivered to turn knowledge into action. This project is not about holding discussions, it is about making the change happen.

Steps Ahead

During ToTCE-Education sector, the participants from various organisations expressed their interest for mainstreaming the training on circular economy. Various organisations discussed about the way forward, to have this course as part of their main curriculum.

EXERCISES FOR PARTICIPANTS

TOTCE-1 (19-23 OCT 2021)

TOTCE-3 (14-16 DEC 2022)

EXERCISE 1



EXERCISE

EXERCISE 1. CIRCULAR ECONOMY AND WASTE EDUCATION GUIDE FOR SCHOOLS/ COLLEGES/UNIVERSITIES

How to embed the Circular Economy and Waste Education into the Curriculum

PART I: ESTABLISHING THE RELEVANCE OF WASTE EDUCATION TO YOUR DISCIPLINE

Establishing the relevance of waste education to your discipline is key to ensure that students understand the importance of studying the Circular economy best practices and its relevance in day-to-day life.

The Relevance of Waste Awareness	
Purpose of the activity	Establish the relevance of waste awareness to your discipline.
Material	Suggested materials: Flip chart paper, pens
Timing	15-30 min
Task	Discuss how waste is relevant to your discipline (For example: if circular economy is being taught by mentor to a student– then the student will be honed for competencies in design engineering – product design, restructuring and remanufacturing in a way that it creates minimum waste or no waste).
Background Info : Instructions	
Divide the student into the group of 4/5 and ask them to discuss the following questions: i. What type of waste are associated with you in your daily life / you see around you? ii. What type of material do you use? Can they be reused / recycled? iii. How can the waste be reduced? iv. How can “awareness on waste management” benefit your future, your employment, personal life and environment? v. Can the floods be decreased by effective management of plastic?	
Ask each group to provide feedback and present their answers to rest of the class. <i>*You may wish to capture some of the ideas on flip chart and relate back to these throughout the course / impacting knowledge to your students.</i> <i>*Identify few examples that you can bring back to discussions.</i> <i>*Build thought process and awareness among fellow faculty members and build knowledge for the growth of your students and sustainable future for generations to come.</i> <i>*Design -World without waste.</i>	

EXERCISE 2



EXERCISE – II: ENVISIONING THE FUTURE

PART-II: EMBEDDING WASTE AWARENESS THROUGH REFLECTION- BIG PICTURE WASTE SEGREGATION

A. Linking waste awareness to your lectures (for all faculty members to share with their students)

Ask students to reflect on the following questions:

- How waste is related to your personal life? (Type of Personality- Waste generator/ Waste manager / Waste & related problem solver)
- Encourage students to monitor what they buy and what they throw away (including what they put in the recycling bin) — **over 2-5 week.**

Ask students to reflect on:

- Did you buy anything you did not need?
- What was the main sources of your waste?
- What did you do to this waste?
- Has it affected your **consumption behaviour**?
- What could you have done to reduce the waste you created?

Eg. Management of plastic bottles/ cloths

- How does this relate to resource consumption and waste generation? Share your perception about the waste.
- What can be changed? & How?

Stage-1: Note the Outcome and share with group.

B. Linking waste awareness and employability / implementation at school

Option 1: For Graduates / PG/ Research Students - Ask students to discuss:

- i. How they can apply what they have learnt about waste- for their profession?
- ii. Explore the job market / vacancies world wide.
- iii. Do they think themselves fit for the position in circular economy domain? If yes, How? *If No, then what they need to learn/ enhance their skills to work in CE domain.*

Option 2: For Schools - Make the group of students. Ask to:

- i. Brainstorm and list the skills and knowledge that they have gained from learning about waste (Section-A).
- ii. Reflect on how these skills and knowledge can be applied in their day to day life.
- iii. Choose best strategies. Plan on— How to align the best practices in their work place / educational institutions (school / college /university)
- iv. Implement the knowledge at school/ college for enabling the circular transformation of your school. **Eg.** School Circular Mobilisation event/ project.
- v. Choose '**Circular Economy Brand Ambassador**' - in every class and in school.
- vi. Choose '**Circular Economy Captain**' - for school.

Stage-2: Note the Outcome (as presentation) and share with all students.

EXERCISE 3



EXERCISE – III: CREATE AWARENESS ON RECYCLING PART III: RECYCLING

RECYCLING	
Purpose of the activity	<ul style="list-style-type: none"> To characterize waste - non-degradable and biodegradable; Recyclable and Non-Recyclable products Identification of recyclers (informal and formal)
Material	Suggested materials: Flip chart paper, pens; Slides, one pack of flash cards per group (A,B,C,D).
Timing	10 minutes
Task	Recycling: what to recycle, where to recycle and how to recycle ; what is the cost or financial instrument for recycling the products after use and reuse applicability.
Instructions	
<ul style="list-style-type: none"> Define non-degradable and bio-degradable waste Define recyclable and non-recyclable waste Check the website of State Pollution Control Board (SPCB) / Central Pollution Control Board (CPCB) to see the list of authorized/ formal recyclers. Split students into 2 groups. Assign task to Group-1: Identify the type of waste (recyclable/non-recyclable/ degradable/non-degradable etc.) Assign task to Group-2: Download list of recyclers from SPCB/ CPCB. Select the recycler in their city. Define Recycling Strategy: Segregation, characterisation, channelisation of recyclable waste, for recycling. Collect the report from recyclers. Share the details about SDGs. Link the action (exercise-III) with SDG Goal-9 (industry, innovation and infrastructure), SDG-11 (sustainable cities and communities) and SDG-12 (Responsible Production & Consumption) of UN Sustainable Development Goals. Prepare the outcome- on presentation. 	

EXERCISE 4



EXERCISE – IV: UPCYCLING PART IV: SEED THE THOUGHT ON UPCYCLING

INDUSTRIAL UPCYCLING	
Purpose of the activity:	Introduction to upcycling
Material:	A small pack of textile waste / clothing materials, Glue, Scissors,, Flipchart paper, Coloured pens
Timing:	45 minutes
Task:	Students are encouraged to develop some quality product made from waste / similar leftover materials and describe the process based on UPMADE® Certification criteria (refer UPMADE.org)
Instructions	
<p>The educator will give a small presentation about UPMADE® Certification (https://upmade.org/certification/criteria)</p> <p>Students shall be divided into small groups and materials' set will be given to each group. The task would be to create a poster with following components:</p> <ol style="list-style-type: none">1. Product made from textile waste / similar leftover materials (materials needed: glue, scissors).2. The product might be glued to the centre of poster/ display the up-cycled product.3. Refer UPMADE Certification - CRITERIA. Discuss about the working environment's safety, hygiene and fair payment system to workers etc.4. Describe the potential customer groups.5. At the end of activity each group will present their poster to other students.6. After that, each student can vote, if they will purchase up cycled product (optional).	

IMPLEMENTATION OF CIRCULAR ECONOMY IN PLASTIC SECTOR SMEs (Project Reports)

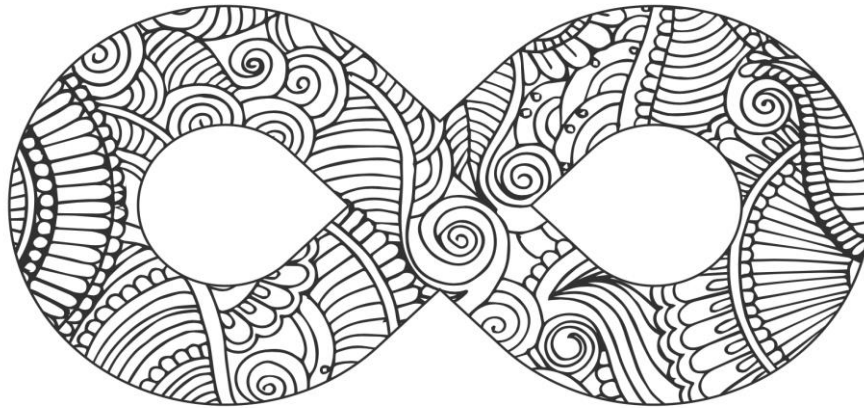
TOTCE-2 (15-17 NOV 2021)

TOTCE-4 (04-06 JAN 2022)

**vii. Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises (Training of Trainers)
15 – 17 NOV 2021**

No. of registered participants	Flow of Knowledge (No. Of participating countries)	Time	Certificates of Attendance Issued
93	20	14 sessions 690 Mins 3 days	16

Certificates of Excellence Issued	No. Of Indian Faculty Members	No. Of International Faculty Members	Report Submitted on
1	5	2	18 November 2021



**Capacity Building on
Implementation of Circular Economy in Micro, Small and
Medium Scale Enterprises**

Training of Trainers on Circular Economy (ToTCE)

Date: 15 – 17 November 2021

***Project on Design, Development and Conducting Training Programmes on Circular Economy
(The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs)
Focus on Plastic Sector***

Report of ToTCE-2, Submitted by:

Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs)

Ref. No.: Report_ToTCE_Training-2_15-17Nov. 2021

ToTCE-2, FLYER-1: Design, Development and Conducting Training Programmes on Circular Economy (The Programme for Training of Trainers on Circular Economy)



Capacity Building On

IMPLEMENTATION OF CIRCULAR ECONOMY IN MICRO, SMALL AND MEDIUM SCALE ENTERPRISES

(TRAINING OF TRAINERS ON CIRCULAR ECONOMY - ToTCE)

FOCUS AREA: PLASTIC SECTOR

DATE

15 - 17 Nov 2021

SEATS

Seats limited to 100

TIME

10:00 AM - 01:00 PM IST
05:30 AM - 08:30 AM CET

FEES

Training programme is free of cost for Micro, Small and Medium Scale Enterprises (SMEs)

NOTE: PLEASE ENSURE YOU ATTEND THIS TRAINING PROGRAMME, ONCE REGISTERED

ABOUT THE PROJECT

The capacity-building initiative "Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy" is jointly led by Mobius Foundation and Global Institute for Circular Economy & Sustainable Development Goals(ICE&SDGs).

SMEs are key drivers of economic development and thus key stakeholders in the achievement of the United Nations Global Goals 2030. This unique capacity building project will unlock the potential of SMEs in developing and emerging as SDG-aligned circular businesses.

This training programme is designed to guide the participants to act for 'closing the loop' through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models to enhance their position in the market by showcasing their stance as environmentally-friendly companies.

AIM

The training programme aims at developing the vision, mission ,mindset, thought leadership and skillset for implementation of circular economy at Small and Medium Scale Enterprises.

KEY BENEFITS

- Reap financial benefits and additional economic gains
- Provide a circular pathway to your plastic waste
- OEMs can take advantage of this capacity building initiative to green their supply chains
- Reduce investment on waste management
- Enable companies and conglomerates to build green value chains
- SMEs will be equipped for transition from linear to circular operations.
- Enhance your national/international visibility by growing as a "Resource Efficient, Circular SME"
- Contribute to #SDG-8-Decent Work & Decent Growth, #SDG-9-Industry, Innovation & Infrastructure, #SDG-12-Responsible Production & Consumption, #SDG-13-Climate Change and #SDG-14-Life Below Water



WHO SHOULD ATTEND

- SMEs registered and recognised by the Ministry of Micro, Small and Medium Enterprises, Government of India
- Programme will be highly valuable for Chief Executive Officers (CEOs), Chief Finance Officers (CFOs), Social Impact Officers (SIOs) and Company Secretaries (CS) of SME organisations
- Investors eager to invest in circular SMEs
- Plastic Product Manufacturing Companies
- Original Equipment Manufacturers(OEMs)/Vendors and suppliers to OEMs
- Packaging Industries/E-commerce Companies
- Plastic Waste Recyclers
- Companies mandated for plastic Extended Producer Responsibility (EPR) Compliance

COURSE COVERAGE FOR MSMEs

- Circular Economy - What, Why and How?
- Why SMEs Need to Implement Circular Economy?
- Planning for implementation of Circular Economy at SMEs
- Methodological Tools for Implementation of Circular Economy
- Circular Business Models
- Identification of New Revenue Streams
- Monitoring the Progress While Implementing Circular Economy
- Overview of Plastic Waste Management Rules, 2021 Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India
- Alignment with United Nations Global Goals - SDGs
- Case Studies
- Exercises

REGISTER ONLINE

<https://bit.ly/3BhIWfO>

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- 📺 <https://bit.ly/3AFxIfs>

KNOWLEDGE PARTNERS



ASSOCIATION PARTNER



PROJECT: Design, Development and Conducting Training Programmes on Circular Economy (The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs.)

**Report on
Capacity Building on “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises”,
Training of Trainers on Circular Economy (ToTCE)**

Date: 15 – 17 November 2021 (3 days)

Time: 10:00 – 13:00 HRS IST

Introduction

The capacity-building initiative “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy” is jointly led by Mobius Foundation and Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs).

SMEs are key drivers of economic development and thus key stakeholders in the achievement of the United Nations Global Goals 2030. This unique capacity building project will unlock the potential of SMEs in developing and emerging as SDG-aligned circular businesses.

This training programme was designed to guide the participants to act for ‘closing the loop’ through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models to enhance their position in the market by showcasing their stance as environmentally-friendly companies. To do so, the three-days training programme was led by expert speakers spanning from India to Europe in the form of videos, presentations and interactive sessions.

ICE&SDGs herewith submits the report of first training programme on “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises”, Training of Trainers on Circular Economy (ToTCE). (Ref. No. Report_ToTCE_Training-2_15-17Nov. 2021).

Course Coverage

The programme was designed to take the participants from a beginner to an expert level in implementation of circular economy.

Day 1 – The first day focused on an introductory session on circular economy to build the foundation for the participants. This was followed by two sessions that focused on important topics; types of plastic, plastic waste segregation and disposal, converting plastic waste into new products, Plastic

Waste Management Policy and EPR Compliance. Lastly, the participants took part in a case study session on bio-recycling routes for food packaging and agricultural waste.

Day 2 – The second day started off with the participants learning how to prepare SMEs for circularity. This was followed by a focused presentation on what plastic sector SMEs can do to close the loop. The participants were then guided through the identification of barriers, benefits and strategies for implementation of circular economy at SMEs. The day ended with two sessions showcasing the circular economy initiatives of UNIDO and the various tools created in the construction sector through plastic waste.

Day 3 – The last day of the programme focused on the approaches and methodologies for the implementation of circular economy. The participants were then taken through three case studies to see the waste management initiatives in Agra City, UNDP India and NEPRA.

Participants

The training programme was attended by participants from various organisations spread all over the world. The participants joined the sessions from South America, Asia, the Middle East and India.

There were over 93 registrations for the programme. However, seats were limited to 100.

During the programme there were 29 participants that attended the sessions overall.

Details of ToTCE, 15-17 Nov 2021

DAY-1

Inaugural Session

Opening Remarks by Project Partner – Dr. Shalini Sharma, Founder Director, Global Institute for Circular Economy and Sustainable Goals

Dr. Shalini Sharma began the inaugural session by acknowledging that the guest for the session, Mr. Rene Van Berkel from UNIDO India was unable to attend as he was travelling. Dr Sharma then initiated the session with a background and the aim of the programme. Dr. Sharma discussed the need for circularity and how SMEs are key to adopting the circular economy model through a focus on effective plastic waste management in their facilities. Dr. Sharma then acknowledged the project partners from Mobius Foundation and their contribution and initiated “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises”.

Session 1 – Introduction of Circular Economy: Build The Foundation led by Dr. Shalini Sharma, ICE&SDGs

The participants were introduced to the concept of circular economy as a whole with an emphasis on why it is essential for SMEs to have a foundation for circularity throughout their organisations. The key principles of circular economy were discussed; design-out waste and pollution, keep products and materials in use and regenerate natural systems.

Session 2 – Types of Plastic, Plastic Waste Segregation and Disposal and Plastic Waste to New Products led by Mr. Manish Kothari, Rhino Machines, India

Mr. Manish Kothari from Rhino Machines led the sessions by discussing his company’s mission; “develop and establish waste recovery and energy saving solutions as social responsibility.” Mr. Kothari then discussed the various projects of Rhino Machines while also sharing technical details to benefit the participants. Risks and mitigation strategies were also discussed and concluded by discussing the implementation of sustainable and scalable approaches.

Session 3 – Plastic Waste Management Policy and EPR Compliance led by Mr. Abhijeet Singh, Shri Shakti Plastic, India

Mr. Abhijeet Singh was a last-minute substitution for Mr. Gaurav Kaul who took ill at the last moment but was scheduled to speak in this session. The session took the participants through the various aspects of the Plastic Waste Management Policy of India. The larger focus of the session was on the EPR compliance, the impact it has on SMEs, what Shakti Plastic -Recycleclean does for EPR compliance and how India has a long way to go in regards to the same.

Session 4 – Bio-recycling Routes for Food Packaging and Agricultural Plastic Waste led by Dr. María José López, Bio-based Industries Consortium, Europe

Dr. María José López took the participants through a technical case study where she discussed how agri-food waste plastic is a global concern and needs to be tackled. Dr. López discussed in-depth solutions and innovations to the problems that are being faced on a global scale. She also discussed the expected impacts of the solutions and the various resulting products such as chitin-based bioplastics for agriculture and food packaging and bio fertilizers based on vermi-compost, insect manure and/or chitin.

ToTCE-2, FLYER-2: Details of Chief Guest, Project Partners, Faculty Members, Participating Organisations and Countries



CAPACITY BUILDING ON

IMPLEMENTATION OF CIRCULAR ECONOMY IN MICRO, SMALL AND MEDIUM SCALE ENTERPRISES



TRAINING OF TRAINERS ON CIRCULAR ECONOMY
(Focus Area : Plastic Sector)

DATE: 15 -17 NOV 2021, TIME: 10:00 AM - 01:00 PM IST/ 05:30 AM - 08:30 AM CET

GUEST OF HONOUR



Mr. Pradip Burman
Chairperson
Mobius Foundation, India

PROJECT PARTNERS



Dr. Ram Bhoj
CEO,
Mobius Foundation, India



Dr. Shalini Sharma
Founder Director,
ICE&SDGs, India
Project Leader

OUR DISTINGUISHED FACULTY MEMBERS



Mr. Manish Kothari
Rhino Machines, India





Ms. María José López
University of Almeria, Spain





Mr. Piotr Barczak
EEB, Belgium





Mr. Gaurav Kaul
Shakti Plastics, India





Ms. Garima Mishra
Massive Earth Foundation, India





Mr. Umesh Nayak
Kalzen Contech, India



OUR PARTICIPANTS FROM VARIOUS ORGANIZATIONS



THEY SPAN THE ENTIRE PLANET



KNOWLEDGE PARTNERS



ASSOCIATION PARTNER



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 LinkedIn: /circulareconomyandsdgs/

DAY-2

Session 1 – How to Prepare SMEs for Circularity led by Dr. Shalini Sharma, ICE&SDGs

The participants were introduced to the concept of co-creation to prepare their organisations for circularity i.e. every stakeholder being involved in the process of shifting from a linear to a circular economy. The participants were then taken through a 6-steps process needed to prepare their organisations. To end the session, barriers to circularity were identified such as increases in prices and volatility, physical and transitional risks among many others.

Session 2 – What Plastic Sector SMEs can do to Close the Loop? Led by Mr. Piotr Barczak, European Environmental Bureau, Brussels, Belgium

Mr. Piotr Barczak recorded a presentation and shared with ICE&SDGs in advance, for presenting to the participants. He discussed how circular economy is not just about recycling. He presented the principles that are needed to make circular economy fit into the wider system. He emphasized on the key problem - too much packaging. Mr. Barczak discussed three strategies to transform the global plastic packaging market and discussed the next step for SMEs. He provided the guidance on reducing, redesigning and innovation in the packaging sector.

Session 3 – Identification of Drivers and Barriers, Strategies for Implementation of Circular Economy at SMEs and Benefits in Long & Short Term led by Dr. Shalini Sharma, ICE&SDGs

Dr. Sharma quickly took the participants through the process of identifying the drivers and barriers for circular economy such as market factors, economic factors, social factors and many more. She then discussed the guidelines and approaches to implement circular economy; ambition and focus, assessing sector circular economy opportunities and assessing implications. The participants were then provided with the benefits of circular economy for SMEs.

Bonus Session – Circular Economy for SMEs, by Mr. Rene Van Berkel, UNIDO India

Mr. Rene Van Berkel from UNIDO, India, shared the details on strategies for implementation of circular economy for SMEs (recorded session).

Session 4 – Technology for Waste to Wealth (Construction Sector): Way for Entrepreneurs led by Mr. Karthik Kodali and Mr. Umesh Nayak, Kalzen Contech, India

The session was started off by Mr. Karthik Kodali as he introduced Kalzen and their operations. The session was then taken over by Mr. Umesh Nayak who discussed the various tools that Kalzen had developed by using plastic waste. Kalzen shared that they had also made the process of construction more sustainable and more time-effective. Mr. Nayak then took the participants through a video of Kalzen's operations while discussing with them various details of the operations as the video played.

DAY-3

Session 1 - Approach & Methodologies for Implementation of Circular Economy at SMEs led by Dr. Shalini Sharma, ICE&SDGs

This session took the participants through the various approaches and methodologies that will help them implement circular economy in their own organisation. The session focused on the 'Plan-Do-Check-Act' Model for implementation of circular economy. Dr. Sharma then shared with the participants an updated version of the model that was developed by ICE&SDGs; 'Improvise-Establish-Sustain' Model for implementation of circular economy.

Session 2 – Discussions and Guidance for Submission of Exercise led by Dr. Shalini Sharma, ICE&SDGs

During this session, announcements were also made regarding the certificates that the participants would be receiving at the end of the programme. Those who attended all the sessions on all three days would receive a 'Certificate of Attendance'. The participants were also taken through the exercises they needed to complete. Details about the exercises can be found in Annex 5.

Participants, those who attend session and submit 3 out of 4 exercises on or before the deadline, 17 Dec. 2021, would receive 'Certificate of Excellence'.

Session 3 - Case Study: Plastic Waste Management in Agra City led by Ms. Garima Mishra, Massive Earth Foundation, India

Ms. Garima Mishra shared the details of the Plastic Waste Management application that has been developed by Massive Earth Foundation and been deployed in Agra City. It is essentially an application that increases the transparency regarding plastic waste management as anyone can take pictures and upload them using their devices and geo-tag the good and the bad plastic waste management practices in the city.

Session 4 - Bonus Sessions of Circular Economy Initiatives by UNDP India and Case Study on NEPRA

The session then showcased the circular economy initiatives by UNDP India and a case study on circular economy initiative by NEPRA, Ahmedabad (recorded sessions).

Valedictory Session

The valedictory session was initiated by Dr. Shalini Sharma of ICE&SDGs. Mr. Vaikunthe Banerjee then invited the partner for this project, Mobius Foundation to share their thoughts on the session. Ms. Archana Kushwaha from Mobius Foundation addressed the participants, the team and project partner on behalf of Mobius Foundation while also sharing her views on the training programme.

Dr. Shalini Sharma addressed the participants, the team and project partner on behalf of ICE&SDGs thus closing the training programme on 'Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy'.

COURSE SCHEDULE – TOTCE 2



COURSE COVERAGE & SCHEDULE

Nationwide Capacity Building project
IMPLEMENTATION OF CIRCULAR ECONOMY IN SMALL & MEDIUM SCALE INDUSTRIES (SMEs)
TRAINING OF TRAINERS ON CIRCULAR ECONOMY
FOCUS AREA: Plastic Producer & Consumer Sector SMEs

DATE: 15-17 Nov 2021; TIME: 10.00 -13.00Hrs IST

DATE/ TIME	10.00-10.30 AM	10.30 -11.00 Hr	11.15 -12.00 Hr	12.00-12.45 Hr	12.45-13.45 Hr
15 Nov 2021	Welcome Address <i>Dr. Shalini Sharma, Founder Director, ICE&SDGs</i>	Introduction of Circular Economy: Build The Foundation <i>Dr Shalini Sharma, ICE&SDGs</i>	Types of Plastic, Plastic Waste Segregation and Disposal And Plastic waste to new products <i>Manish Kothari, Rhino Machines</i>	Plastic Waste Management Policy and EPR Compliance <i>Gaurav Kaul, Recyclean</i>	Bio-recycling Routes for Food Packaging and Agricultural Plastic Waste <i>Ms. María José López Bio-based Industries Consortium, Europe (Bonus Session)</i>
	About The Project: Implementation of Circular Economy in SMEs, Training of Trainers <i>Dr Ram Boojh, CEO, Mobius Foundation</i>				
	Inaugural Address <i>Mr Pradij Burman, Chairman, Mobius Foundation</i>				
	Vote of Thanks <i>Mr Vaikunthe Banerjee, ICE&SDGs</i>				
					Summary of Day-1

DATE/TIME	10.00-10.30 AM	10.30 -11.30 Hr	11.45 -12.15 Hr	12.15-13.00Hr	
16 Nov 2021	How to Prepare SMEs for Circularity? <i>Dr Shalini Sharma, ICE&SDGs</i>	What Plastic Sector SMEs can do to Close The Loop? <i>Piotr Barczak European Environmental Bureau (EEB), Brussels, Belgium</i>	Identification of Driver and Barriers And Strategies for Implementation of CE at SMEs & Benefits in Long & Short Term <i>Dr Shalini Sharma, ICE&SDGs</i>	Circular Economy for SMEs <i>Mr Rene Van Berkel UNIDO Representative & Head, Regional Office in India (Bonus Session)</i>	
					Technology for Waste to Wealth (Construction sector) : Way for Entrepreneurs <i>Karthik Kodali Kalzen Realty</i>
					Summary of Day-2

KNOWLEDGE PARTNERS



ASSOCIATION PARTNER



DATE/TIME	10.00-10.30 AM	10.30 -11.00 Hr	11.00 -11.45 Hr	11.45-12.45 Hr	12.45-13.00 Hr
17 Nov 2021	Approach & Methodologies For Implementation of Circular Economy at SMEs <i>Dr Shalini Sharma, ICE&SDGs</i>	Discussions • Guidance for Submission of Exercise • Q&A <i>ICE&SDGs</i>	Case Study: Plastic Waste Management, Agra City <i>Garima Mishra LifeRenew Ventures</i>	Technologies for Implementation of Plastic Waste To Wealth <i>Manuel Calzada EKKO, Spain</i>	• Feedback (online poll) • Valedictory Session <i>ICE&SDGs and Mobius Team</i>
NOTE	Session are open for questions, anytime during/after sessions.				

TRAINING PROGRAM VIDEOS ON YOUTUBE – TOTCE 2

Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, 15-17 Nov. 2021.

Video	Date and Time	Status	Link
Video 1 (Day 1)	15 Nov 2021, 10:00 – 13:00 hrs IST	Uploaded	https://youtu.be/EGlwtoa77Gw
Video 2 (Day 2)	16 Nov 2021, 10:00 – 13:00 hrs IST	Uploaded	https://youtu.be/gpjLf_gkORcQ
Video 3 (Day 3)	17 Nov 2021, 10:00 – 13:00 hrs IST	Uploaded	https://youtu.be/3QD3AKIgmXs

FEEDBACK FROM PARTICIPANTS – TOTCE 2

Below are the snapshots from the feedback poll.

#	User Name	1.The Objective / expectation from training programme, is met?	2.Were the presenters engaging?	3.All the sessions and the presentation material was relevant for ToTCE-SMEs?
1	Anjali Singla	Yes	Yes	Agree
1	Rosa Coronado	Yes	Yes	Agree
1	Eddie Ajalcriña	To Some Extent	Yes	Agree to great extent
1	Ritwik Pati	Yes	Yes	Agree
1	Dr. Suhas Rao	Yes	Yes	Agree
1	SUGARBEARHAIR Sowlih	To Some Extent	Yes	Agree
1	Aliya Curmally	Yes	Yes	Agree to great extent

#	User Name	4.The Content of the course was organised and easy to follow?	5.The pace of the course was appropriate	6.The exercises are/were helpful?
1	Anjali Singla	Agree	Agree	Yes
1	Rosa Coronado	Agree	Agree	Yes
1	Eddie Ajalcriña	Need Improvement	Agree to great extent	Yes
1	Ritwik Pati	Agree	Agree	Yes
1	Dr. Suhas Rao	Agree	Agree	Yes
1	SUGARBEARHAIR Sowlih	Need Improvement	Agree	Yes
1	Aliya Curmally	Agree	Agree	Yes

#	User Name	7.Sessions on which day were most useful?	8.Any more topic can be added in the training programme ToTCE-SEMs for providing greater benefits for SMEs	9.Would you recommend this course to your colleagues?
1	Anjali Singla	All Training Days	Not Sure	Yes
1	Rosa Coronado	All Training Days	Not Sure	Yes
1	Eddie Ajalcriña	Day-3	Yes	Yes
1	Ritwik Pati	All Training Days	Yes	Yes
1	Dr. Suhas Rao	All Training Days	Not Sure	Yes
1	SUGARBEARHAIR Sowlih	Day-2	Yes	Yes
1	Aliya Curmally	Day-1	Not Sure	Yes

#	User Name	10.Would you like to collaborate with ICE&SDGs for future training programmes/ Trainings/ Projects/ capacity building/ R&D initiatives?, If yes, please mark the segment for collaboration. If no, please mark No.
1	Anjali Singla	Collaborate for Trainings/Campaigns
1	Rosa Coronado	Collaborate for Projects
1	Eddie Ajalcriña	Yes
1	Ritwik Pati	Collaborate for Projects
1	Dr. Suhas Rao	Collaborate for Trainings/Campaigns
1	SUGARBEARHAIR Sowlih	Yes
1	Aliya Curmally	Yes

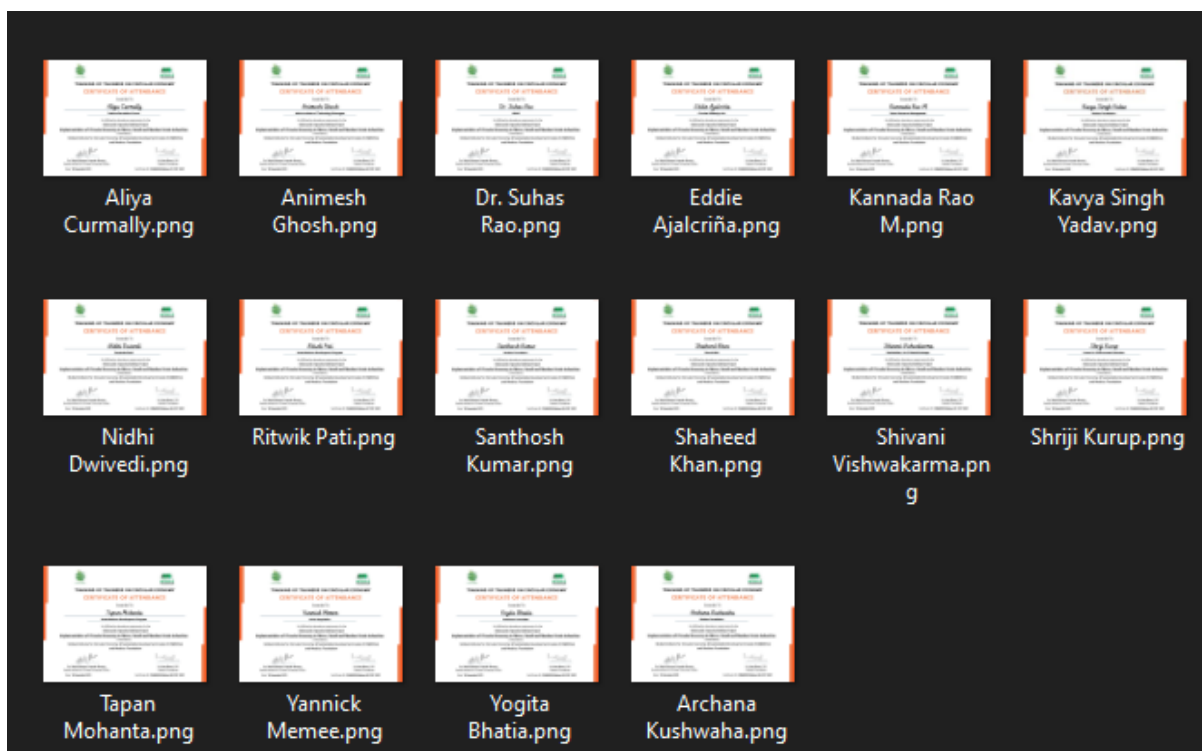
CERTIFICATES FOR PARTICIPANTS – TOTCE 2

There were a total of 93 registrations for the programme.

Participants who attended all three days of the training programme qualified to receive the “Certificate of Attendance”. “Certificate of Attendance” were sent to the participants on 18 Nov 2021.

Certificates of Excellence were provided to participants who attended all days of the training programme and completed & submitted all exercises. After the training programme, a small number of individuals submitted the exercises and thus only they were awarded the certificate of excellence.

Snapshot of the names of the participants to whom the certificates are issued are shown below.



CERTIFICATE OF ATTENDANCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY CERTIFICATE OF ATTENDANCE

Awarded To

Aliya Curmally

Fashion Revolution Forum

for fulfilling the attendance requirements for the
Nationwide Capacity Building Project

Implementation of Circular Economy in Micro, Small and Medium Scale Industries

conducted by

Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Dr. Shalini Sharma, Founder Director
Global Institute for Circular Economy & SDGs

Date: 18 November 2021

Dr. Ram Bhoj, CEO
Mobius Foundation

Certificate ID: ICE&SDGS/Mobius/41/18112021

CERTIFICATE OF EXCELLENCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY CERTIFICATE OF EXCELLENCE

Awarded To

Name

For fulfilling the attendance requirements and completing required exercises for the

Organisation

Nationwide Capacity Building Project

Implementation of Circular Economy in Micro, Small and Medium Scale Industries

conducted by

Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Dr. Shalini Sharma
Founder Director, ICE&SDGs

Date: 26 October 2021



Dr. Ram Bhoj
CEO, Mobius Foundation

Certificate ID: ICE&SDGS/Mobius/11/23102021

IMPACT AND OUTREACH – TOTCE 2

Marketing

The programme was marketed to a database of over 1200 organisations via email, social media and direct marketing. The marketing campaign increased the national and international visibility of the capacity building initiative jointly implemented by ICE&SDGs and Mobius Foundation. Such large-scale marketing attracted participants not just from India, but from all over the world.

Participating Countries

The capacity building programme on ‘Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy’ attracted participants from India, The United States, The United Kingdom, Germany Greece, Kenya, Egypt, Hong Kong, Qatar, The Philippines, Nepal, Bangladesh, South Africa, Malaysia, Argentina and Peru.

Participating Organisations

This capacity building initiative on ‘Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy’ was hosted by ICE&SDGs, India. The programme was host to many organisations such as Centre for Environment Education, United Nations Development Programme, The Energy and Resources Institute, European Environmental Bureau, Capiz State University, Circular Design Lab, Indian Institute of Technology Kharagpur and Cipher Environmental Solutions among many others.

Uniqueness

‘Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy’ is a unique initiative taken by ICE&SDGs and Mobius Foundation, for the first time, ever in India.

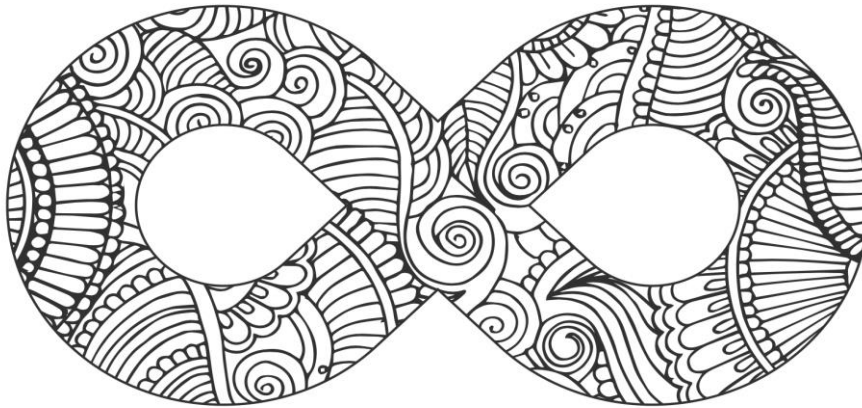
This capacity-building program is turning the tide. It brings about a major change, from conversations about climate change and the circular economy to its application. The program combines fostering knowledge about circular economy and guides the participants with the methodologies and frameworks to implement the same in their establishments.

The training enables the ecosystem to implement the circular economy to combat climate change, enable resource efficiency and resource conservation. This high-impact capacity building initiative is designed and delivered to turn knowledge into action. This project is not about holding discussions, it is about making the change happen.

**viii. Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy
04 – 06 JAN 2022**

No. of participants	Flow of Knowledge (No. Of participating countries)	Time	Certificates of Attendance Issued
95	10	10 sessions 690 Mins 3 days	16

Certificates of Excellence Issued	No. Of Indian Faculty Members	No. Of International Faculty Members	Report Submitted on
0	4	2	08 January 2022



**Capacity Building on
Implementation of Circular Economy in Micro, Small and
Medium Scale Enterprises**

Training of Trainers on Circular Economy (ToTCE)

Date: 04 – 06 January 2022

***Project on Design, Development and Conducting Training Programmes on Circular Economy
(The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs)
Focus on Plastic Sector***

Report of ToTCE-4, Submitted by:

Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs)

Ref. No.: Report_ToTCE_Training-4_04-06 Jan. 2022

ToTCE-2, FLYER-1: Design, Development and Conducting Training Programmes on Circular Economy (The Programme for Training of Trainers on Circular Economy)



Capacity Building On IMPLEMENTATION OF CIRCULAR ECONOMY IN MICRO, SMALL AND MEDIUM SCALE ENTERPRISES

(TRAINING OF TRAINERS ON CIRCULAR ECONOMY - ToTCE)

FOCUS AREA: PLASTIC SECTOR

DATE
04 - 06 Jan 2022

SEATS
Seats limited to 100

TIME
02:30 PM - 05:30 PM IST
10:00 AM - 01:00 PM CET

FEES
Training programme is free of cost for Micro,
Small and Medium Scale Enterprises (SMEs)

NOTE: PLEASE ENSURE YOU ATTEND THIS TRAINING PROGRAMME, ONCE REGISTERED

ABOUT THE PROJECT

The capacity-building initiative "Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy" is jointly led by Mobius Foundation and Global Institute for Circular Economy & Sustainable Development Goals(ICE&SDGs).

SMEs are key drivers of economic development and thus key stakeholders in the achievement of the United Nations Global Goals 2030. This unique capacity building project will unlock the potential of SMEs in developing and emerging as SDG-aligned circular businesses.

This training programme is designed to guide the participants to act for 'closing the loop' through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models to enhance their position in the market by showcasing their stance as environmentally-friendly companies.

AIM

The training programme aims at developing the vision, mission ,mindset, thought leadership and skillset for implementation of circular economy at Small and Medium Scale Enterprises.

KEY BENEFITS

- Reap financial benefits and additional economic gains
- Provide a circular pathway to your plastic waste
- OEMs can take advantage of this capacity building initiative to green their supply chains
- Reduce investment on waste management
- Enable companies and conglomerates to build green value chains
- SMEs will be equipped for transition from linear to circular operations.
- Enhance your national/international visibility by growing as a "Resource Efficient, Circular SME"
- Contribute to #SDG-8-Decent Work & Decent Growth, #SDG-9-Industry, Innovation & Infrastructure, #SDG-12-Responsible Production & Consumption, #SDG-13-Climate Change and #SDG-14-Life Below Water



WHO SHOULD ATTEND

- SMEs registered and recognised by the Ministry of Micro, Small and Medium Enterprises, Government of India
- Programme will be highly valuable for Chief Executive Officers (CEOs), Chief Finance Officers (CFOs), Social Impact Officers (SIOs) and Company Secretaries (CS) of SME organisations
- Investors eager to invest in circular SMEs
- Plastic Product Manufacturing Companies
- Original Equipment Manufacturers(OEMs)/Vendors and suppliers to OEMs
- Packaging Industries/E-commerce Companies
- Plastic Waste Recyclers
- Companies mandated for plastic Extended Producer Responsibility (EPR) Compliance

COURSE COVERAGE FOR MSMEs

- Circular Economy - What, Why and How?
- Why SMEs Need to Implement Circular Economy?
- Planning for implementation of Circular Economy at SMEs
- Methodological Tools for Implementation of Circular Economy
- Circular Business Models
- Identification of New Revenue Streams
- Monitoring the Progress While Implementing Circular Economy
- Overview of Plastic Waste Management Rules, 2021 Ministry of Environment, Forest and Climate Change, Government of India
- Alignment with United Nations Global Goals - SDGs
- Case Studies
- Exercises

REGISTER ONLINE

<https://bit.ly/3H7ZngF>

CONTACT US

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- [/circulareconomiesandsdgs](https://www.linkedin.com/company/circulareconomiesandsdgs)
- <https://bit.ly/3AFXIfs>

KNOWLEDGE PARTNERS



ASSOCIATION PARTNER



PROJECT: Design, Development and Conducting Training Programmes on Circular Economy (The Programme for Training of Trainers on Circular Economy; for Educational Institutions and SMEs.)

Report on

**Capacity Building on “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises”,
Training of Trainers on Circular Economy (ToTCE)**

Date: 04 – 06 January 2022 (3 days)

Time: 14:30 – 17:30 HRS IST

Introduction

The capacity-building initiative “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy” is jointly led by Mobius Foundation and Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs).

SMEs are key drivers of economic development and thus key stakeholders in the achievement of the United Nations Global Goals 2030. This unique capacity building project will unlock the potential of SMEs in developing and emerging as SDG-aligned circular businesses.

This training programme was designed to guide the participants to act for ‘closing the loop’ through 7Rs viz Refrain, Reduce, Re-use, Refurbish, Recycle, Reform and Re-design and other innovative circular models to enhance their position in the market by showcasing their stance as environmentally-friendly companies. To do so, the three-days training programme was led by expert speakers spanning from India to Europe in the form of videos, presentations and interactive sessions.

ICE&SDGs herewith submits the report of the second training programme on “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises”, Training of Trainers on Circular Economy (ToTCE). (Ref. No. Report_ToTCE_Training-4_04-06Jan. 2022).

Course Coverage

The programme was designed to take the participants from a beginner to an expert level in implementation of circular economy.

Day 1 – The first day focused on an introductory session on circular economy to build the foundation for the participants. This was followed by a session on plastic waste management and sustainability and circular economy which led to the last session by a guest speaker on how SMEs can close the loop through an EU case study of the same.

Day 2 – The second day started off with the participants learning how to prepare SMEs for circularity. This was followed by a presentation by UNDP on their activities in the Asia Pacific and then a short session on the strategies for implementation of circular economy in SMEs. The last session of the day focused on how plastic sector SMEs can close the loop.

Day 3 – The last day of the programme started with a session on approach and methodologies for the implementation of circular economy. This was followed by a session of the current trends in plastic waste management in India and a case study on what UNDP was doing in India.

Participants

The training programme was attended by participants from various organisations spread all over the world. The participants joined the sessions from South East Asia, Europe, the United States, the Middle East and India.

There were over 95 registrations for the programme. However, seats were limited to 100.

During the programme there were 42 participants that attended the sessions overall.

Details of ToTCE, 04-06 Jan 2022

DAY-1

Inaugural Session

Opening Remarks by Project Leader – Dr. Shalini Sharma, Founder Director, Global Institute for Circular Economy and Sustainable Goals and Project Partner – Mr. Shrawan Kumar, Mobius Foundation

Dr. Shalini Sharma initiated the session with a background and the aim of the programme. Dr. Sharma discussed the need for circularity and how SMEs are key to adopting the circular economy model through a focus on effective plastic waste management in their facilities. Dr. Sharma then acknowledged the project partners from Mobius Foundation and their contribution and which was followed by an address from Mr. Shrawan Kumar on behalf of the Mobius Foundation. Dr. Sharma then initiated “Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises”.

Session 1 – Introduction of Circular Economy: Build the Foundation led by Dr. Shalini Sharma, ICE&SDGs

The participants were introduced to the concept of circular economy as a whole with an emphasis on why it is essential for SMEs to have a foundation for circularity throughout their organisations. The key principles of circular economy were discussed; design-out waste and pollution, keep products and materials in use and regenerate natural systems.

Session 2 – Plastic Waste Management Sustainability and Circular Economy - How do we go from here? led by Dr. Sameer Joshi, Indian Plastics Institution, India

Dr. Sameer Joshi took the participants of the programme through an in-depth history of plastic and its impact on the world. He then discussed the challenges that are faced in plastic waste management globally. The session then took the participants through various important topics such as recyclability potential and segregation at source, plastic waste management rules, EPR and a roadmap to the future. Dr. Joshi concluded by saying “say no to plastic pollution, say yes to plastics”.

Session 3 – SMEs Closing the Loop: Mr. Piotr Barczak, European Environmental Bureau (EEB), Belgium

Mr. Piotr Barczak recorded a presentation and shared with ICE&SDGs in advance, for presenting to the participants. He discussed how circular economy is not just about recycling. He presented the principles that are needed to make circular economy fit into the wider system. He emphasized on the key problem - too much packaging. Mr. Barczak discussed three strategies to transform the global plastic packaging market and discussed the next step for SMEs. His provided the guidance on reducing, redesigning and innovation in the packaging sector.

ToTCE-2, FLYER-2: Details of Chief Guest, Project Partners, Faculty Members, Participating Organisations and Countries

CAPACITY BUILDING ON



IMPLEMENTATION OF CIRCULAR ECONOMY IN MICRO, SMALL AND MEDIUM SCALE ENTERPRISES

TRAINING OF TRAINERS ON CIRCULAR ECONOMY
(Focus Area : Plastic Sector)



DATE: 04 - 06 JAN 2022, TIME: 14:30 - 17:30 HRS IST/ 10:00 - 13:00 HRS CET

GUEST OF HONOUR



Mr. Pradip Burman
Chairperson
Mobius Foundation, India

PROJECT PARTNERS



Dr. Ram Bhooj
CEO,
Mobius Foundation, India



Dr. Shalini Sharma
Project Leader and Faculty
Founder Director, ICE&SDGs

OUR DISTINGUISHED FACULTY MEMBERS



Dr. Mushtaq Memon
UNEP, Thailand



Mr. Prabhjot Singh Sodhi
Former Head, Circular Economy
United Nations
Development Programme



Dr. Piotr Barczak
EEB, Belgium



Mr. Shailendra Singh
Sustain Mantra, India



Dr. Sameer Joshi
Indian Plastics Institute, India



OUR PARTICIPANTS FROM VARIOUS ORGANIZATIONS



Among many others

THEY SPAN THE ENTIRE PLANET



KNOWLEDGE PARTNERS



CONTACT US

Website: <https://CE-SDC.org/>
 Email: ice.sdg@circulareconomy-sdg.org
gice.sdg@gmail.com
 WhatsApp: +91 9959927900
 Twitter: /SdgIce
 LinkedIn: /circulareconomyandsdgs/

DAY-2

Session 1 – How to Prepare SMEs for Circularity led by Dr. Shalini Sharma, ICE&SDGs

The participants were introduced to the concept of co-creation to prepare their organisations for circularity i.e. every stakeholder being involved in the process of shifting from a linear to a circular economy. The participants were then taken through a 6-steps process needed to prepare their organisations. To end the session, barriers to circularity were identified such as increases in prices and volatility, physical and transitional risks among many others.

Session 2 – Discussions and Guidance for Submission of Exercise led by Dr. Shalini Sharma, ICE&SDGs

During this session, announcements were also made regarding the certificates that the participants would be receiving at the end of the programme. Those who attended all the sessions on all three days would receive a 'Certificate of Attendance'. The participants were also taken through the exercises they needed to complete. Details about the exercises can be found in Annex 5.

Participants, those who attend session and submit 3 out of 4 exercises on or before the deadline, 04 Feb. 2022, would receive 'Certificate of Excellence'.

Session 3 – International Case Study on Plastic Waste Management Strategies led by Dr. Mushtaq Memon, UNEP, Thailand

Through a pre-recorded session, Dr. Mushtaq Memon took the participants through the various opportunities and benefits that they can expect in the plastic sector while aiming to become circular institutions. This was followed by a recorded question and answer session where Dr. Memon engaged with the participants and answered their questions related to circularity.

Session 4 - Circular Economy for SMEs, by Mr. Rene Van Berkel, UNIDO India

Through Mr. Rene Van Berkel from UNIDO, India, shared the details on strategies for implementation of circular economy for SMEs.

Session 5 – What Plastic Sector SMEs Can Do To Close The Loop? led by Mr. Shailendra Singh, Sustain Mantra, India

Mr. Shailendra Singh started the session by discussing why SMEs need to close the loop and also discussed whether plastics were the problem or how they were used and disposed off were the problem. He then talked about various unexplored and emerging opportunities when it comes to plastic waste management. He also discussed how India has a rich legacy of recycling in various forms. The day was concluded with a discussion on what the future will look like and how SMEs can increase their impact in a quantum way.

DAY-3

Session 1 - Approach & Methodologies for Implementation of Circular Economy at SMEs led by Dr. Shalini Sharma, ICE&SDGs

This session took the participants through the various approaches and methodologies that will help them implement circular economy in their own organisation. The session focused on the 'Plan-Do-Check-Act' Model for implementation of circular economy. Dr. Sharma then shared with the participants an updated version of the model that was developed by ICE&SDGs; 'Improvise-Establish-Sustain' Model for implementation of circular economy.

Session 2 – Current Trends in Plastic Waste Management in India led by Mr. Prabhjot Singh Sodhi, Former Head, Circular Economy, UNDP, India

Ms. Garima Mishra shared the details of the Plastic Waste Management application that has been developed by Massive Earth Foundation and been deployed in Agra City. It is essentially an application that increases the transparency regarding plastic waste management as anyone can take pictures and upload them using their devices and geo-tag the good and the bad plastic waste management practices in the city.

Session 3 - Plastic Waste Management Initiatives of UNDP led by Mr. Sagar, UNDP, India

Mr. Sagar from UNDP India shared with the participants the initiatives that are being taken in terms of plastic waste management. The key components of the project that was discussed were knowledge management, material recovery centers (called 'Swacchta Kendra'), a socio-technical model and institutionalizing Swacchta Kendra. The positive impacts of the project were also highlighted such as managing more than 91,000 MT of plastic waste by the end of 6 years, improving the socio-economic conditions of 30,000+ waste pickers and also increasing the income of the same among many others.

Valedictory Session

The valedictory session was initiated by Dr. Shalini Sharma of ICE&SDGs who then invited the partner for this project, Mobius Foundation to share their thoughts on the session. Dr. Ram Bhooj, the CEO of Mobius Foundation addressed the participants, the team and project partner on behalf of Mobius Foundation while also sharing his views on the training programme.

Dr. Shalini Sharma addressed the participants, the team and project partner on behalf of ICE&SDGs thus closing the training programme on 'Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy' and also closing the last session of Training of Trainers on Circular Economy on 06 Jan 2022.

COURSE SCHEDULE – TOTCE 4



COURSE COVERAGE & SCHEDULE

Nationwide Capacity Building project
TRAINING OF TRAINERS ON CIRCULAR ECONOMY, FOR TRAINERS FROM SMALL & MEDIUM SCALE INDUSTRIES
Focus: Plastic Producer and Consumer Sector SMEs

DATE: 04 - 06 Jan 2022; TIME: 14.30 -17.30 Hrs IST

DATE/ TIME	2.30-3.00pm	3.00-3.30	3.45-4.45pm	4.45-5.15 pm	5.15-5.30pm
4 Jan	Welcome Address <i>Mr. Pradip Burman, Mobius Foundation</i>	Introduction of Circular Economy: Build The Foundation <i>Dr Shalini Sharma, ICE&SDGs</i>	Plastic Waste Management Sustainability and Circular Economy - How do we go from here? <i>Dr. Sameer Joshi IPI</i>	SMEs Closing the Loop: Case Study from EU <i>Piotr Barczak European Environmental Bureau (EEB), Brussels, Belgium</i>	Discussions Q&A Explanation & Discussion - Exercises (1-3)
	About Mobius Foundation and ToTCE Project <i>Mr Ram Boojh, Mobius Foundation</i>				
	About ToTCE for SMEs and Publications <i>Dr Shalini Sharma, ICE&SDGs</i>				
	Icebreaking session- Expectation of participants				

KNOWLEDGE PARTNERS



TIME	2.30-3.15pm	3.15-4.15pm	4.15 -5.00pm	5.00-5.30pm
5 Jan	How to Prepare SMEs for Circularity? & Identification of Barriers <i>Dr Shalini Sharma</i>	International Case Study <i>Dr. Mushtaq Memon UNDP</i>	Strategies for Implementation of CE at SMEs & Benefits in Long & Short Term <i>Rene Van Berkel UNIDO, India</i>	What Plastic Sector SMEs can do to Close The Loop? <i>Mr. Shailendra Singh Sustain Mantra</i>
6 Jan	Identification of Opportunities & Approach & Methodologies For Implementation of Circular Economy at SMEs <i>Dr Shalini Sharma</i>	Current Trends in Plastic Waste Management in India <i>Mr. Prabhjot Singh Sodhi CEE</i>	Case Study – Rhino Machines <i>Mr. Manish Kothari Rhino Machines</i>	1. Feedback 2. Guidance for Submission of Exercise 3. Valedictory <i>ICE&SDGs and Mobius Team</i>
NOTE				

KNOWLEDGE PARTNERS



TRAINING PROGRAM VIDEOS ON YOUTUBE – TOTCE 4

Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, 04-06 Jan. 2022.

Video	Date and Time	Status	Link
Video 1 (Day 1)	04 Jan 2022, 14:30 – 17:30 HRS IST	Uploaded	https://youtu.be/31SSlwpWQI8
Video 2 (Day 2)	05 Jan 2022, 14:30 – 17:30 HRS IST	Uploaded	https://youtu.be/WHXFRqrOmis
Video 3 (Day 3)	06 Jan 2022, 14:30 – 17:30 HRS IST	Uploaded	https://youtu.be/xpZb5zKa4S4

FEEDBACK FROM PARTICIPANTS – TOTCE 4

The overall feedback from participants was very positive. The poll taken on the last day of the pro-gramme showed positive results. However, due to a technical glitch, the poll was unable to be downloaded correctly and the data was corrupted.

The participants were asked 11 questions related to the relevance of the sessions and if they thought the training programme met their expectations. They were also asked whether they would pay for further training and if they would like to collaborate with the organisation on future pro-jects. Overall, the feedback was positive for all questions and the majority of the participants took part in the poll.

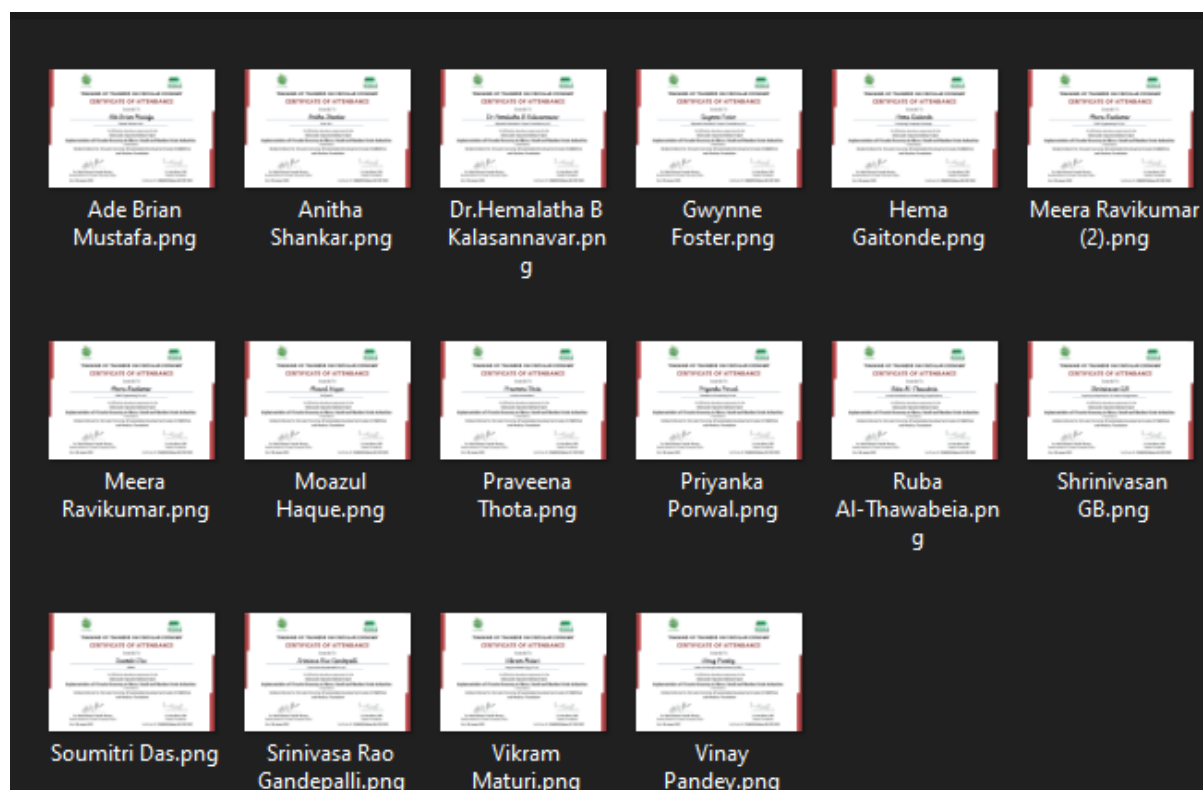
CERTIFICATES FOR PARTICIPANTS – TOTCE 4

There were a total of 95 registrations for the programme.

Participants who attended all three days of the training programme qualified to receive the “Certificate of Attendance”. “Certificate of Attendance” were sent to the participants on 08 January 2022.

Certificates of Excellence were provided to participants who attended all days of the training programme and completed & submitted all exercises. After the training programme, a small number of individuals submitted the exercises and thus only they were awarded the certificate of excellence.

Snapshot of the names of the participants to whom the certificates are issued are shown below.



CERTIFICATE OF ATTENDANCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY CERTIFICATE OF ATTENDANCE

Awarded To

Name

Org Name

for fulfilling the attendance requirements for the

Nationwide Capacity Building Project

Implementation of Circular Economy in Micro, Small and Medium Scale Industries

conducted by

Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Dr. Shalini Sharma, Founder Director
Global Institute for Circular Economy & SDGs

Date: 10 January 2022

Dr. Ram Bhoj, CEO
Mobius Foundation

Certificate ID: ICE&SDGS/Mobius/83/10012022

CERTIFICATE OF EXCELLENCE



TRAINING OF TRAINERS ON CIRCULAR ECONOMY CERTIFICATE OF EXCELLENCE

Awarded To

Name

For fulfilling the attendance requirements and completing required exercises for the

Organisation

Nationwide Capacity Building Project

Implementation of Circular Economy in Micro, Small and Medium Scale Industries

conducted by

Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs)
and Mobius Foundation

Dr. Shalini Sharma
Founder Director, ICE&SDGs

Date: 26 October 2021



Dr. Ram Bhoj
CEO, Mobius Foundation

Certificate ID: ICE&SDGS/Mobius/11/23102021

IMPACT AND OUTREACH – TOTCE 4

Marketing

The programme was marketed to a database of over 1200 organisations via email, social media and direct marketing. ICE&SDGs aggressively campaigned on social media and reached over 18,000 individuals. The marketing campaign increased the national and international visibility of the capacity building initiative jointly implemented by ICE&SDGs and Mobius Foundation. Such large-scale marketing attracted participants not just from India, but from all over the world.

Participating Countries

The capacity building programme on ‘Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy’ attracted participants from India, The United States, The United Kingdom, Australia, Netherlands, South Africa, Mexico, Indonesia and many more.

Participating Organisations

This capacity building initiative on ‘Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy’ was hosted by ICE&SDGs, India. The programme was host to many organisations such as USAID, Centre for Responsible Business, Ramky Group, World Wide Fund for Nature, The Energy and Resources Institute, Societe Africaine D’Ingenierie, The Mexican Ministry of Energy, DHL Supply Chain, Global Compact Network India, German University of Technology in Oman, Jordan Stands & Metrology Organization among many others.

Uniqueness

‘Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy’ is a unique initiative taken by ICE&SDGs and Mobius Foundation, for the first time, ever in India.

This capacity-building program is turning the tide. It brings about a major change, from conversations about climate change and the circular economy to its application. The program combines fostering knowledge about circular economy and guides the participants with the methodologies and frameworks to implement the same in their establishments.

The training enables the ecosystem to implement the circular economy to combat climate change, enable resource efficiency and resource conservation. This high-impact capacity building initiative is designed and delivered to turn knowledge into action. This project is not about holding discussions, it is about making the change happen.

EXERCISES FOR PARTICIPANTS

TOTCE-2 (15-17 NOV 2021)

TOTCE-4 (04-06 JAN 2022)

Exercise 1



ANNEXURE-1

EXERCISE-1

LEVEL-1: Planned: Please mark yourself at Level-1 if you have already selected the circular economy models and planned every aspect, for the implementation.




LEVEL-2: Planning: Please mark yourself at Level-2 if you are planning for implementation of circular economy.

LEVEL-3: Initiator: Please mark yourself at Level-3 if you decided to implement circular economy but still need to start somewhere.

CIRCULAR ECONOMY

a) How relevant you think circular economy to your enterprise?

Question Attribute	1	2	3	4	5
Information and awareness					
Collaboration platform/ Co-creation platform (team cohesiveness)					
Business support schemes					
Green procurement and infrastructure (existing / planned)					
Regulatory frameworks					
Fiscal frameworks					
TOTAL					

	Low
	Medium
	High

GUIDELINES

Plan:

1. Are you aware of circular economy? Yes or No
2. Is your organization aligning its business with circular economy? Yes or No
3. Is your organization planning to align, apply and implement – plan and prepare for circularity its business in near future say example next 2 months or so? Yes or No



4. If the answer to question 2 is yes then at what level its aligning? Beginner level / Intermediate Level / Advanced Level. Mention the level. If the answer is no then when would your organization plan to initiate?

Do

1. Does your board is having a team to do planning, preparing and prioritizing circularity in its business? Yes or No
2. If yes, does your board from time provide opportunity to advance the skills of its employees to circularity? Yes or No
3. Do you have a circular business framework model prepared in consultation with your board member or management team? Yes or No
4. If no, then do you want ICE & SDGs as a knowledge focal point/service provider /mentor/organizer/capacity building expert or specialist assist / advice in preparing the business case model for circular economy for your organization?

Check

1. Do you have a checklist for the entire supply chain with whom you coordinate? Yes or No
2. Does your SMEs setting have stakeholder engagement platform – reporting done for circular economy/Sustainability reporting done or a TCFD (Task force related climate disclosures) Yes or No
3. Does your SME practice preparing gap document for its best practices for future proofing its business case? Yes or No
4. If no, do you want ICE & SDGs as a knowledge focal point/service provider /mentor/organizer/capacity building expert or specialist assist / advice in preparing the business case model for circular economy for your organization?

Exercise 2

EXERCISE: 2

1. Does your SME have comprehensive representation of materials and products flows? **Yes or No; (For - manufacturing unit)**

If yes, please provide detailing and if no do you want ICE&SDGs as a knowledge focal point/service provider / mentor/organizer/capacity building expert or specialist assist / advice in preparing the business case model for circular economy for your organization?

2. Does your SME, practice reduce, recycle and recovery? If yes, then at what level? Beginner/Intermediate /Advanced Level?

Please, be noted it is a common question as regard to the linear model that is practiced.

GUIDANCE: Circular economy is a not just reduce, recycle and recovery but a include procurement, fiscal instruments and other requisite infrastructure. So, **LIST the good practices and the level of implementation at your organisation.**

3. Does your SME organisation has a Chief Sustainability Officer? Provide the details about the action taken by CSO.

Yes or No

Global Institute for Circular Economy and SDGs

Copyright: ICE&SDGs, India. CR011ICESDGs/112021



4. Do you plan to connect with ICE&SDGs even after the training programme so as to be a part of stakeholder engagement platform/eco-innovation hub and co-benefiting partners? For Share, report, communicate, integrate and implement best practices.

Yes or No

**** Comprehensive representation of material and product flows would enable a much more precise quantification of supply, demand, price and externality impacts from the circular economy.**

Exercise 3

EXERCISE-3

Quantitative profiling of SMEs circularity practices: Whether Available or Not?

1. Does your SME plan, do and check, environmental profiling: Yes or No
 - If YES, then What is the waste volume?
 - What is share of waste not recovered?

 - **If NO, then explain** why it's not done?
2. Is sector contribution to local, regional or national economy in terms of Gross Value Add (GVA) being practiced by SME?
Yes or No
3. Sector contribution to opportunities and job creation being quantified?
Yes or No

Exercise 4

EXERCISE-4

- Plan and organize a **Circular Economy Month** in your organization
- Share your success story with your stakeholders.
- **Maintain a log of your barriers and enablers encountered in the supply chain** with and without best practices of circular economy applied.
&/OR
- *Communicate with your training provider, the issues so as to have a track, check and resolve the challenges.*

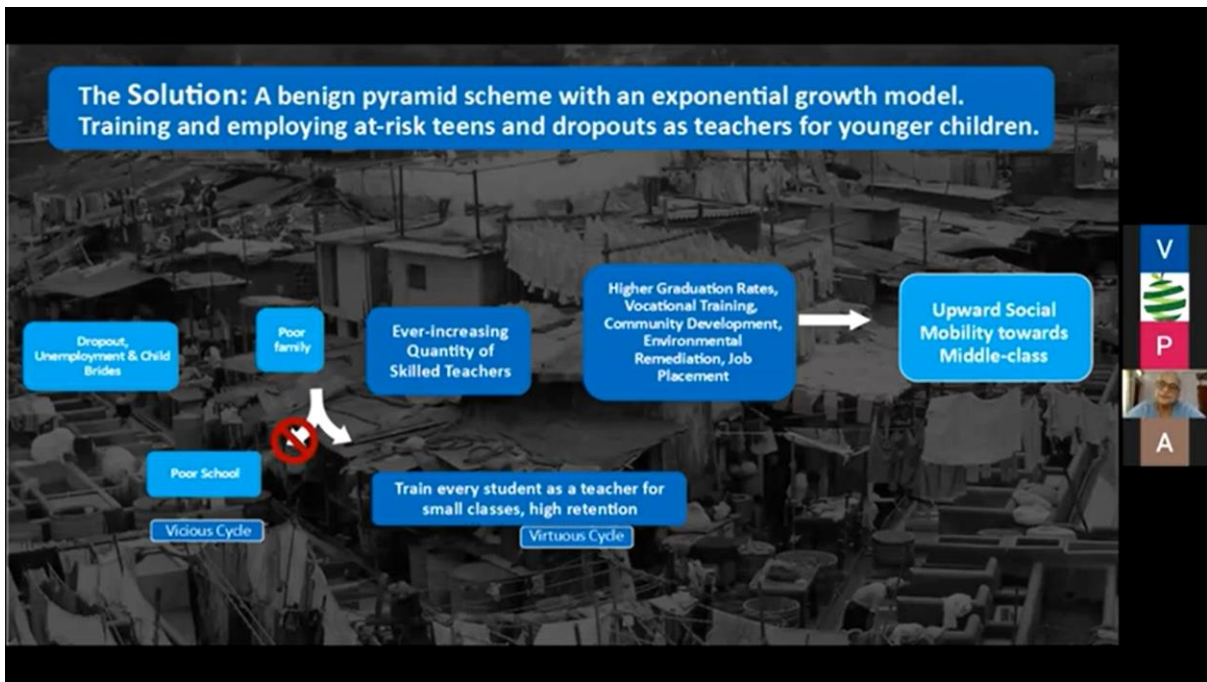
ix. Glimpses from TOTCE



Special Address by Mr. Pradip Burman, Chairperson, Mobius Foundation



Inaugural Address by Mr. Ashish Tiwari, IFS, Secretary, Ministry of Environment, Forest and Climate Change, Government of Uttar Pradesh



Prof. Alaka Sarma of Akshar School, Assam discussing solutions to train and employ at-risk teens to mentor them on circularity and train them as teachers for younger students.

There are few in our economy who can address all the issues in the circle

Pedagogical approaches depend on public policy and funding

Zeitgeist and actors :

- Technical schools
- College
- University
- Civil society @NGO
- Government agencies
- UN agencies

Mr. Heinz Werner of Vescobel, Brussels introducing pedagogical approaches to circular economy to participants from the educational sector.

Recover solutions & innovations

Tool: Select & upscale the production of biotech solutions

Horizon 2020
European Union leading
for Research & Innovation

Bio-based Industries
Consortium

This project has received funding from the Bio-based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No. 827548

Dr. María José López of Bio-based Industries Consortium, Europe discussing Bio-recycling Routes for Food Packaging and Agricultural Plastic Waste

c) Avoided emissions to land and soil

d) Secondary material use

e) Material recycled

f) Absolute / percentage reduction in local pollutants

g) Reduction of hazardous material used

II. Sustainability ESG Linked Loans (SLL)

According to UNEP Finance Initiative (2020), sustainability linked loan is the general corporate loan that aim at raising capital for specific sustainability programmes of borrower.

III. ESG Investment Strategies

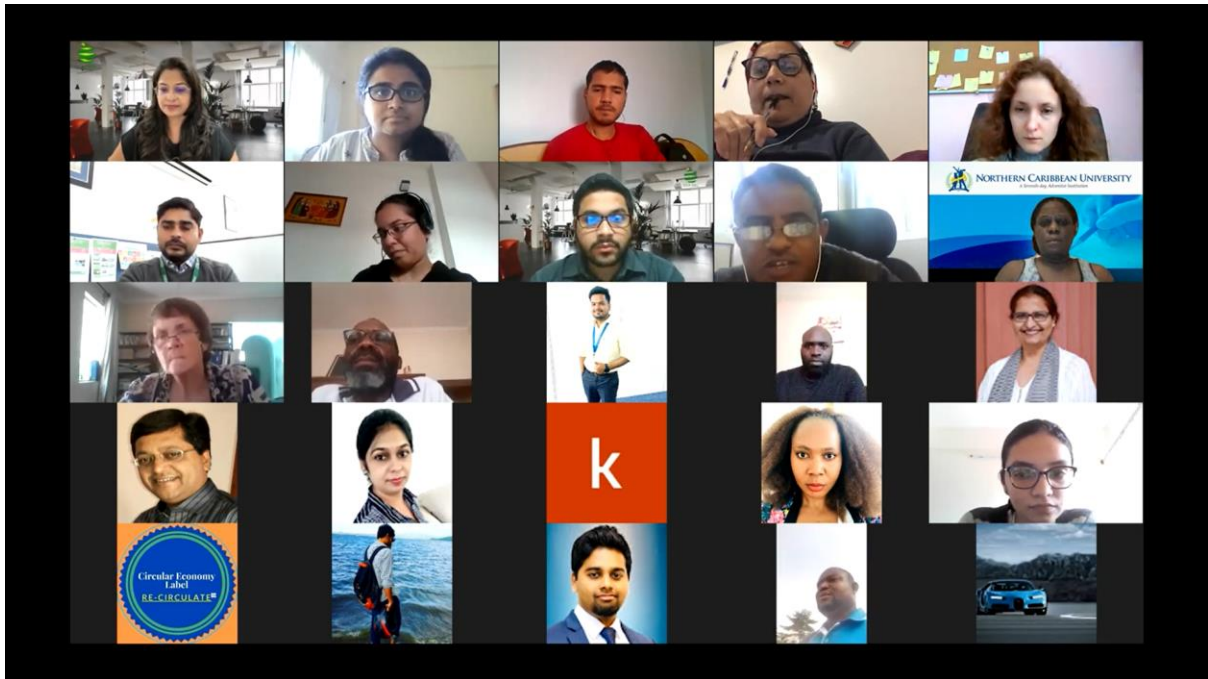
Few ESG investment strategies have embraced the transition to circularity theme. BNP Paribas, BlackRock and RobecoSAM launched the CE themed investment funds.

6.6 Metrics For Financing Circularity

UNEP Finance Initiative (2020) published that the financial institutions responding prioritised the non-financial data like:

i) Circularity metric at product level

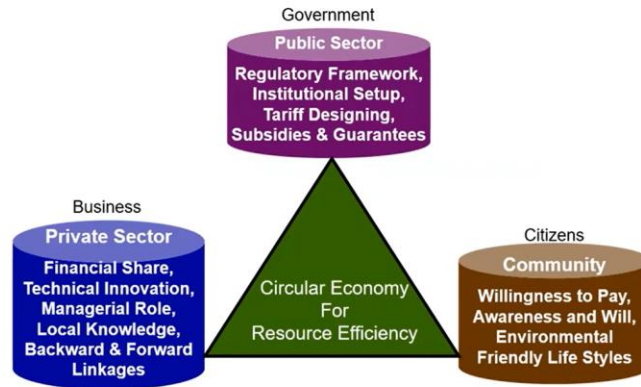
Dr. Shalini Sharma of ICE&SDGs giving the participants a glimpse of what they will find in the manual for implementation of circular economy



A glimpse into the engagement from participants and trainers through various sessions of ToTCE.

Tools to Establish Circular Economy

17



Dr. Mushtaq Memon of UNDP discussing the various tools available for different sectors to establish circular economy

x. Outcome of the Project

“Design, Development and Conducting Training Programmes on Circular Economy” was greatly embraced by the participants and speakers. It is a training programme which can be enhanced further. Such a programme should be made available and accessible to the public at large to ensure that the knowledge of circular economy and its implementation can be circulated far and wide. The training programmes were conducted for educational institutions and SMEs but should be expanded to further industries as well.

The project co-funded by Mobius Foundation and ICE&SDGs i.e., “Design, Development and Conducting Training Programmes on Circular Economy” has achieved the following outcomes:

- a. Connected with 5000+ industries/organisations directly through email on the basis of ICE&SDGs database.
- b. Outreach to 64300+ organisations, industries and individuals globally through social media and other forms of marketing. (For further details, see Annex 2)
- c. A Manual on Implementing Circular Economy in Educational Institutions, Focus on Plastic Waste Management (For further details, see Annex 3)
- d. A Manual on Circular Economy for SMEs: Focus on Plastics & Recyclable Resources (For further details, see Annex 4)
- e. Awareness Book Circular Economy in India: What, Why & How (For further details, see Annex 5)
- f. Training 1, ToTCE-1, Nationwide Capacity Building Initiative: Implementation of Circular Economy at Educational Institutions, Training of Trainers on Circular Economy (19 – 23 October 2021)
- g. Training 2, ToTCE-2, Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy (15 – 17 November 2021)
- h. Training 3, ToTCE-3, Capacity Building on Implementation of Circular Economy in Educational Institutions, Training of Trainers on Circular Economy (14 – 16 December 2021)
- i. Training 4, ToTCE-4, Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, Training of Trainers on Circular Economy (04 – 06 January 2022)

xi. Impact of the Project

Uniqueness

‘Implementation of Circular Economy, Training of Trainers on Circular Economy’ is a unique initiative taken by ICE&SDGs and Mobius Foundation, for the first time, ever in India.

This capacity-building program is turning the tide. It brings about a major change, from conversations about climate change and the circular economy to its application. The program combines fostering knowledge about circular economy and guides the participants with the methodologies and frameworks to implement the same in their establishments.

The training enables the ecosystem to implement the circular economy to combat climate change, enable resource efficiency and resource conservation. This high-impact capacity building initiative is designed and delivered to turn knowledge into action. This project is not about holding discussions, it is about making the change happen by enabling the ecosystem for easing out the transition from a linear to a circular economy.

Marketing

The project was marketed to a 5000 organisations and people via email and direct marketing. This project has reached over 64,300 people around the globe through social media campaigns. The marketing campaign increased the national and international visibility of the capacity building initiative jointly implemented by ICE&SDGs and Mobius Foundation. Such large-scale marketing attracted participants not just from India, but from all over the world.

Global Participation - Countries

The project attracted participants from India, The United States, Kenya, Hong Kong, Qatar, The Philippines, Nepal, Bangladesh, South Africa, Qatar, Malaysia, Indonesia, Argentina, Peru, The United Kingdom, Germany Greece, Egypt, Thailand, Cameroon, Ghana, Mexico, Saint Kitts and Nevis, Belgium, Jamaica, Ukraine, Chad, Ecuador, Australia and Netherlands.

Global Participation - Organisations

The project hosted organisations from all over the world; Centre for Environment Education, United Nations Development Programme, The Energy and Resources Institute, European Environmental Bureau, Capiz State University, Circular Design Lab, Indian Institute of Technology Kharagpur, Cipher Environmental Solutions, Sri Sathya Institute of Higher Learning, Universidad Nacional de Río Cuarto, Tech Mahindra, Corporate Governance Advisory Services, Asian Institute of Technology, Vasantdada Sugar institute, University of Nigeria, Ethiopians Public Health Institute, Indian Red Cross Society, USAID, Centre for Responsible Business, Ramky Group, World Wide Fund for Nature, Societe Africaine D’Ingenierie, The Mexican Ministry of Energy, DHL Supply Chain, Global Compact Network

India, German University of Technology in Oman, Jordan Stands & Metrology Organization among many others.

Outreach of Project Partner, Mobius Foundation

Through this project, our project partner Mobius Foundation with its vision to steer the drive towards sustainability education was able to reach 69,300 individuals/organizations globally. The capacity building initiative “Design, Development, and Conducting Training Programmes on Circular Economy” was able to highlight the global presence of ICE&SDGs and Mobius Foundation’s work in the domain of circular economy.

xii. Feedback

Participants had given feedback regarding additions of sessions which were incorporated into ToTCE-3 and ToTCE-4.

Overall, the participants and reviewers highly regarded and appreciated the training manuals that were created for educational institutions and micro, small & medium scale enterprises

The joint efforts of ICE&SDGs and Mobius Foundation were highly regarded and valued by the participants and the lecturers of “Design, Development and Conducting Training Programmes on Circular Economy”.

Notable feedback is listed below:

ESTEEMED SPEAKERS

1. Mr. Ashish Tiwari, IFS, Ministry of Environment, Forest and Climate Change

Mr. Ashish Tiwari is an Indian Forest Services Officer with more than 25 years of proven success spanning across Policy and Planning Level senior positions. Mr. Tiwari is currently the Secretary for the Department of Environment, Forest & Climate Change at Government of Uttar Pradesh.

“I have not heard of any other training programme in India such as this one and I congratulate ICE&SDGs and Mobius foundation on this initiative.”

- 19 Oct 2021

2. Mr. Pradeep Burman, Chairperson, Mobius Foundation

The chairperson of the Mobius Foundation - Mr. Pradip Burman, is an environmentalist, social contributor and prolific business leader. He is a graduate in B.Sc. Mechanical Engineering from MIT in Boston, USA.

“What we are doing in circular economy is following nature, everything is recycled and that’s how it becomes sustainable.”

- 19 Oct 2021

-

3. Dr. Ram Bhooj, CEO, Mobius Foundation

Dr. Ram Bhooj is the co-founder and Board Member of the World Ocean Network, France and Ex-ecutive Board member of the Conservation for the Oceans Foundation, USA. He is also the CEO of Mobius Foundation

“We talk about nature, we talk about sustainability, without circularity it is meaningless.”

4. Dr. Shalini Sharma, Founder Director, ICE&SDGs

Dr. Shalini Sharma is the Co-Founder and CEO of **Sanshodhan** and founder of Global Institute for Circular Economy and SDGs (NGO), India. She Innovated the first ‘tech-based Circular Economy Platform for e-waste & plastic waste management sector.

“This is the first of its kind of project on implementation of circular economy across various sectors. This leapfrog initiative will enable the transition from linear to circular development.”

- 19 Oct 2021

PARTICIPANTS

5. Ms. Gwynne Foster, Silposathi Industrial Project Consultancy Ltd

“I see tremendous value in collaboration going forward because without question this training programme is ahead of where we are in terms of how to do it (circular economy). We do a lot of talking but the how to do it is important.”

- 06 Jan 2022

6. Ms. Olabisi Adebawo, Nasow

“It has been an amazing three days of training and I am really grateful to everyone, the trainers and presenters for everything shared and I’m looking forward to what the future holds for us.”

- 16 Dec 2021

7. Mr. Suhas Rao, Academician

“I warmly acknowledge the wonderful resources of this programme. These resources are very pragmatic and will be of great use to all of us. Expressing My deep Gratitude to you and your team at Global Institute for Circular Economy and SDGs (ICE&SDGs).”

xiii. Feedback

ICE&SDGs has requested all participants who attended the trainings to connect with the organisation on LinkedIn. ICE&SDGs will create a group for the participants to share their thoughts, views, suggestions and for further collaborations.

ICE&SDGs has created a WhatsApp group and shared the link with all participants who attended the trainings. The group will group will create a platform for the participants to share their thoughts, views, suggestions and for further collaborations. Screenshot of the group can be found below.



Through these groups to connect those who attended the training programmes, ICE&SDGs hopes to create further impact on not just the participants, but those who they will train in circularity, their family members, friends, colleagues and everyone they come in contact with to raise awareness about implementation of circular economy at every possible level in not just India, but the world.

CONSOLIDATED REPORT

ANNEXURES

ANNEXURE 1

TOTCE BROCHURE



CERTIFICATE COURSE

TRAINING OF TRAINERS ON CIRCULAR ECONOMY

Focus Sector

Educational Institutes & Organisations
Small & Medium Scale Industries (SMEs)



AN INITIATIVE BY MOBIUS FOUNDATION AND GLOBAL INSTITUTE FOR
CIRCULAR ECONOMY & SUSTAINABLE DEVELOPMENT GOALS (ICE&SDGs)

ABOUT THE PROJECT

Circular Economy is the latest sustainability paradigm. To facilitate the transition from a linear to a circular economy, Mobius Foundation and the Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs) have now partnered to bring their knowledge and expertise for the “Training of Trainers on Circular Economy” (ToTCE) for ‘Implementation of Circular Economy’. ToTCE will guide the participants to act for “closing the loop” through 7Rs viz. Redesign, Reduce, Refrain, Re-use, Refurbish, Recycle, Re-form & practicing other models like shared economy.

Mobius Foundation and the Global Institute for Circular Economy & Sustainable Development Goals (ICE&SDGs) has collaborated to facilitate transition from a linear to a circular economy. Institutes will be imparting their knowledge and expertise through “Training of Trainers on Circular Economy” (ToTCE).



These training of trainers are especially designed for

- I. Educational NGOs, Institutions, Organizations and Universities
- II. SMEs (including supply chains of OEMs) working in the Plastics Sector





CIRCULAR ECONOMY GUIDANCE MANUALS & TOOLKIT

Participants will receive a toolkit that shall enable them design, align and innovate to implement a Circular Economy in their organization. The toolkit will also guide them on leveraging short-term and long -term benefits following the implementation.

Circular Institutions

Guidance Manual & Checklist to accelerate transition from a linear to circular economy, will be made available for free (for registered participants only).

Circular SMEs

Guidance Manual & Checklist for Implementation of Circular Economy, will be available on payment basis.



TRAINING OF TRAINERS ON CIRCULAR ECONOMY EDUCATIONAL INSTITUTIONS

EDUCATION HAS THE POWER TO USHER CHANGE

Educational institutions are hubs for learnings & have potential to dynamize the 'transformation for clean and green tomorrow, for nextGen'.

'ToTCE' for Implementation at Educational Institutions' is specially designed for universities, colleges & schools to enable the learning and equip the institutions to innovate, design and implement circular economy models.

AIM

- ▶ By sharing knowledge about the circular economy with academicians and educationists who are a strong influence on students, ToTCE aims at raising an environment-friendly GenNext
- ▶ ToTCE will enable the administration /top management to realise the benefits that they will achieve by implementing the circular economy at their organisations.

WHO CAN ATTEND

- ▶ Academicians, Principals, University Professors, Teachers, Instructors from schools, Staff & Administrators, Researchers, Graduate & PG Students, Higher education experts, and designated officials from the Education Ministry.
- ▶ Students above class-IX -XII may also be allowed, if nominated by their schools.

TRAINING OF TRAINERS ON CIRCULAR ECONOMY PLASTIC SECTOR - SMES

BE THE CHANGE YOU WANT TO SEE

SMEs are well aware of the benefits of improving resource efficiency by closing the loop, but face several challenges in their transition to a circular economy. These could include the lack of technical skills, financial constraints, or lack of systems and standards to organize, implement and maintain a circular economy.

ToTCE for SMEs are designed and developed for SMEs to leverage the benefits thru implementation of circular economy & achieve short-term and long-term social, environmental and economic gains through a green transformation.

AIM

- ▶ The ToTCE programme for SMEs aims to equip enterprises for resource -efficient development and economic gains.
 - ▶ Greening of SMEs means value addition for OEMs keen to green their company, reduce GHG emissions and reinforce their commitment towards SDG 2030.
- *OEMs are invited to collaborate on this project with Mobius Foundation and ICE&SDGs

WHO CAN ATTEND

- ▶ SMEs Registered & recognised by Government of India, CFOs, CSOs, Investors, SMEs keen to earn /save from circular economy models, Plastic product manufacturers, Producers of plastic waste, Packaging industries, E-Commerce companies, Plastic recyclers.
- ▶ Vendors / suppliers of OEMs and companies needing EPR Compliance



<p style="text-align: center;">BENEFITS FOR PARTICIPANTS</p> <ul style="list-style-type: none"> ▶ Emerge as 'Green Institution' ▶ Learn about Circular economy ▶ Learn Pedagogical approaches for sustainable development domain ▶ Implement Circular economy at your own organisations ▶ Gain financial benefits by practicing Circular economy ▶ Upgrade knowledge to apply international/national standards of circularity ▶ Share knowledge on circular economy with students ▶ Implement Circular business model & ensure it as an additional source of earning ▶ Contribute to #SDG-11- Sustainable Cities & Communities, #SDG-12 -Responsible Production & Consumption, and SDG-13- Climate Change 	<p style="text-align: center;">BENEFITS FOR PARTICIPANTS</p> <ul style="list-style-type: none"> ▶ Grow as 'Resource Efficient, Green SME' ▶ Reduce investment on waste management ▶ Learn about circular business models, ▶ Understand barriers and enablers of circular economy ▶ Help OEMs green their 'supply chains' ▶ Enable SMEs strategize for green finance ▶ Access Methodological Tool Kit AND Checklist to accelerate transition from linear to circular businesses @SMEs. ▶ Learn of ways & means to earn from resource efficiency, conservation, circular economy models and recycling; ▶ Contribute to #SDG-8- Decent Work & Decent Growth, #SDG-9 - Industry, Innovation & Infrastructure, #SDG-12 - Responsible production & Consumption, SDG-13 - Climate Change and #SDG-14 Life Below Water
<p style="text-align: center;">COURSE COVERAGE</p> <ul style="list-style-type: none"> ▶ Circular Economy ▶ Create competencies for implementation of Circular Economy ▶ Pedagogical approaches, Embedding circular economy & waste management education in curriculum, ▶ Implementation & Integration of circular economy in an organization, ▶ Methodological Tools & Process for Implementation of Circular Economy ▶ Alignment with SDGs, ▶ Mapping and Monitoring of achievements. 	<p style="text-align: center;">COURSE COVERAGE</p> <ul style="list-style-type: none"> ▶ Circular economy (CE) ▶ Planning for Implementation of Circular Economy at SEMs ▶ Methodological tools & Process details for implementation of CE at SMEs ▶ Circular solutions and business models for improved environmental performance ▶ Identification of new revenue streams through resource efficiency/resource conservation ▶ Alignment with SDGs ▶ Mapping and Monitoring achievements ▶ Overview of Plastic Waste management rules.



VENUE : ONLINE DATES & REGISTRATION LINK	VENUE : ONLINE DATES & REGISTRATION LINK
<ul style="list-style-type: none"> ▶ 19-23 Oct 2021; Batch-1: Educational Institutes/ Organizations; ▶ Register on https://us02web.zoom.us/meeting/register/tZcpf-qvrDgtE9RzPbRZYGodAQx9Rzpq6mHr ▶ 14-16 Dec 2021; Batch-2: Educational Institutes/ Organizations; ▶ Register on https://us02web.zoom.us/meeting/register/tZAtd-usrTwjGNYK9_zDGHrFHJIMTMw2hRco ▶ NOTE: Register in any one of these batches. Candidates repeating their registration will automatically get rejected. 	<ul style="list-style-type: none"> ▶ 15-17 Nov 2021; Batch -1: SMEs -Producer & Consumer of Plastic: ▶ Register on https://us02web.zoom.us/meeting/register/tZcsc-qtrDooH9Azys7Yw3N8mP415yGGk2QU ▶ 04-06 Jan 2022; Batch-2: SMEs -Producer & Consumer of Plastic: ▶ Register on https://us02web.zoom.us/meeting/register/tZ0udeqvqj0tGtSbwD9R91kmkUL2q7TwgYZu ▶ NOTE: Register in any one of these batches. Repeated registration will automatically get rejected.
<p style="text-align: center;">TIME: TRAINING HOURS: 16HRS.</p>	<p style="text-align: center;">TIME: TRAINING HOURS: 16HRS.</p>
<ul style="list-style-type: none"> ▶ Online classes are scheduled for 10:00 AM to 12:00 noon IST,(2hours per day) for 5 Training days. ▶ Offline assignments shall be completed by participants, as guided by trainers, during the training programme. 	<ul style="list-style-type: none"> ▶ Online classes are scheduled at 10:00 AM to 12:00 noon IST, (2hours per day) for 5 Training days. ▶ Offline assignments shall be completed by participants, as guided by the trainers, during training programme.
<p style="text-align: center;">NUMBER OF SEATS PER TRAINING & TRAINING FEE:</p>	<p style="text-align: center;">NUMBER OF SEATS PER TRAINING & TRAINING FEE:</p>
<p>Seats are limited to 100 candidates per training programme.</p> <p>Seat allocation will be done on first - come - first serve basis, subject to verification of registrant.</p> <p>FEE: Free of Cost, for Educational Institutions.</p>	<p>Seats are limited to 100 candidates per training programme.</p> <p>Seat allocation will be done on first - come - first serve basis, subject to verification of registrant.</p> <p>FEE: Free of cost for SMEs.</p>



METHODOLOGICAL TOOLS & INSTRUCTIONS

- ▶ Virtual classroom sessions with guest speakers, experts & thought leaders,
- ▶ Presentation, Brainstorming / workshops,
- ▶ Deep dives/Exercises/ Offline Assignments,
- ▶ Case Studies and interactive learning (Q&A)
- ▶ Discussions on Live Case Studies

GUIDELINES TO REGISTER FOR THE TRAINING PROGRAMME

REGISTER thru the link provided on the brochure. Participants from relevant sector only will be enrolled to attend the training programme. Please refer to the section - “Who Can Attend”, to register for these training programmes.

- **Guidance for Trainers & Students:** It is mandatory for students (Classes IX-XII) to seek permission from their school before registering for ‘Training on Circular Economy’ for Education Sector. Teachers can enrol directly thru the registration link.
- **Guidance for SMEs & OEMs:** Only registered companies, “falling under category of MSME/ SME”, as defined by the Government of India”, shall register for ‘Training of Trainers on Circular Economy: Plastic Sector, SMEs’. Training is open for both producers and consumers of plastics.

OEMs keen to enhance resource efficiency/ practice resource conservation throughout their supply chain (thru their vendors), shall make use of this unique opportunity and nominate their suppliers/ vendors to attend the ‘Training of Trainers on Circular Economy: Plastic Sector SMEs’.



ICE & SDGs

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STATUS AFTER COMPLETION OF TRAINING OF TRAINERS

After completion of the training programme, and implementation of circular economy at their institution/ organization/SEMs/ product manufacturing/ design facility, participants are welcome to share/ submit their success stories with ICE&SDGs. ICE&SDGs will be glad to highlight their stories on YOUTUBE channel SUSTAIN <https://bit.ly/2ZoqVeL>.

GUIDELINES FOR PARTICIPANTS

- Registration is mandatory, to attend the training programme.
- Candidates shall participate actively in all exercises and Q&A, during training programs.
- Exercises will be assigned during training program. This shall be completed offline and submitted to given email ID.
- Submission of completed assignments is important to achieve 'Certificate of Excellence'.



CERTIFICATION

Certificate will be provided to candidates who register & attend the training for all 5days AND complete all assignments given during the training programme. Assignments shall be submitted, by the end of 5th day (maximum), after completion of online training programme (refer training dates and your batch number).

UNIQUENESS

ToTCE is unique training of trainers that will provide guidance on 'implementation of circular economy'. Guidance will be provided on unique implementation models, including new approach "Plan-Do-Check-Act (PDCA) Cycle" i.e. an iterative design and management method (Deming circle). The PDCA model is a tool that can be used for exploring and testing multiple solutions in a small, controlled trial; implementing Total Quality Management or Six Sigma initiatives; developing or improving a process that can be applied across industries and organizational types.



CALL TO COLLABORATE AND SUPPORT THE PROJECT TOTCE

Mobius Foundation and ICE & SDGs invite the attention of CSR and R&D Departments/ Conglomerates/ MNCs/ Green Businesses/ State Governments/ Embassies, those enabling the implementation of “Net Zero”, “Circular Economy”, and “SDGs”; to join hands with us for ‘Implementation of Circular economy’.

WE INVITE OEMs/ CORPORATES/ GOVT DEPARTMENTS TO SUPPORT THE PROJECT AS GOLD/ SILVER SPONSOR, TO ENABLE THE DISTRIBUTION OF THE CIRCULAR ECONOMY TOOLKIT.

SPONSORSHIP DETAILS

Platinum Sponsorship : INR 3.0 Lakh

Gold Sponsorship : INR 2.0 Lakh

Silver Sponsorship : INR 1.0 Lakh

OFFER FOR SPONSORS

- **SILVER SPONSORS:** Logo of Sponsors will be published on Awareness Booklet, Manual for Training of Trainers on Circular Economy: Educational Institutions, and Manual for Training on Circular Economy: Plastic Sector SMEs.
- **GOLD SPONSORS:** In addition to the benefits stated above Gold sponsors will receive additional benefits. Two printed copies of all manuals and booklets will be provided to Gold sponsors.
- **PLATINUM SPONSORS:** In addition to the benefits stated above for Silver & Gold sponsors , Platinum sponsors will receive additional benefits. Three printed copies of all manuals and booklets will be provided to Platinum sponsors. Short video of (3minutes max) will be played before and after the training programme. Top management of Platinum Sponsor will be invited for delivering the speech / session during the training programme.





ABOUT MOBIUS FOUNDATION, INDIA

Mobius Foundation was conceptualized to spread awareness on sustainability. The Möbius strip is named after August Ferdinand Mobius, a famous mathematician. The universal symbol of recycling (♻️) has three arrows forming a Möbius loop. According to its designer Gary Anderson, “the figure was designed as a Möbius strip to symbolize continuity within a finite entity.”

The Mobius Foundation is committed to sustainability, strengthening systems with empowering technologies and encouraging healthy behaviour. The Mobius' vision is to collaborate with a diverse range of public & civil partners to advance the cause & practice of sustainability. Mobius' projects are constructed around three premises - Population Stabilization, Education & Ecological Conservation, that contribute to promoting sustainability.

ABOUT GLOBAL INSTITUTE FOR CIRCULAR ECONOMY & SUSTAINABLE DEVELOPMENT GOALS (ICE&SDGS), INDIA

Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs) is an international think tank, which aims to advance Science and Technology through innovative R&D. ICE & SDGs is India's first Organization, dedicated to working on resource efficiency, circular economy and sustainable development goals (SDGs).

Committed to supporting business for social good, ICE & SDGs works on the Circular Economy, Circular Cities, Advisory Services for corporates and industry, Sustainability Reporting, R& D projects, Capacity Building, ZERO WASTE Certification for businesses and offices, Greenhouse Gas Accounting & Management Plans for Industry and States, besides rendering Policy Assistance to the government and creating an enabling ecosystem for SDG 2030.



ICE & SDGs

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REGISTER TODAY, TO ATTEND THE TRAINING OF TRAINERS ON CIRCULAR ECONOMY

Knowledge Partners



Contact: Global Institute for Circular Economy & Sustainable Development Goals (ICE & SDGs)

Mail: ice.sdg@circulareconomy-sdg.org | gice.sdg@gmail.com

Website: www.circulareconomy-sdg.org

WhatsApp/SMS: +91 99599 27900

ICE&SDGs, A Revolution To Meet SDG2030

ANNEXURE 2

OUTREACH THROUGH MARKETING

TOTCE 3 - Capacity Building on Implementation of Circular Economy in Educational Institutions (Training of Trainers), 14-16 DEC 2021

Ad creative ?

Use a post

How do you want your ad to look?

Description

'Implementation of Circular Economy in Educational Institutions, Training of Trainers on Circular Economy' (ToTCE) is a unique capacity building initiative led by Global Institute for Circular Economy and Sustainable Development Goals in partnership with Mobius Foundation.

Join us to lead your institution to circularity. ToTCE will guide you to achieve circularity through sessions by experts in the field, case studies and exercises.

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TOTCE 4 - Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, (Training of Trainers). 04-06 JAN 2022

IMPLEMENTATION OF CIRCULAR ECONOMY
IN MICRO, SMALL AND MEDIUM SCALE ENTERPRISES (SMEs)

TRAINING OF TRAINERS ON CIRCULAR ECONOMY

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The training programme aims at developing the vision, mission, mindset, thought leadership, and skillset for implementation of circular economy at Small and Medium Scale Enterprises.

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25,865 Reach	436 Link Clicks	₹1,111.39 Spend of ₹160.00 per day
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ANNEXURE 3

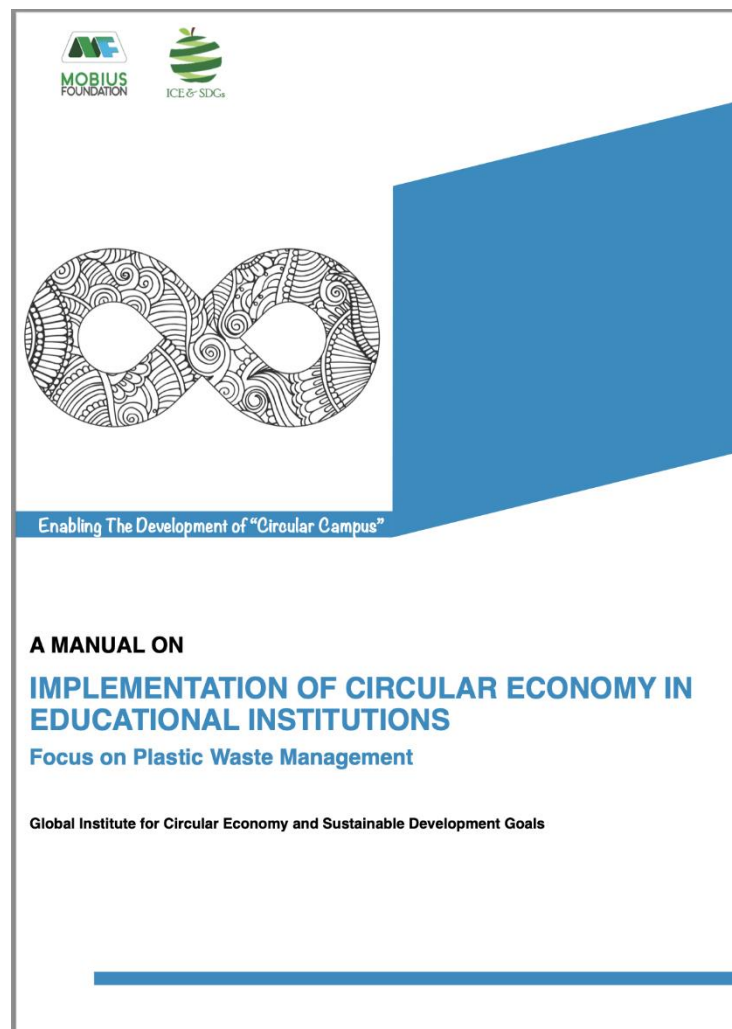
A MANUAL ON IMPLEMENTING CIRCULAR ECONOMY IN EDUCATIONAL INSTITUTIONS, FOCUS ON PLASTIC WASTE MANAGEMENT

This manual, developed as part of the ToTCE project, will provide guidance, resources, insights and relevant links to support higher education institutions to implement circular economy in their institutions.

By aligning educational institutions as incubators and accelerators for circular economy it will, **strengthen capacities to address resource use, conservation and waste, to transform and generate new and innovative ways to respond to the challenges of resource use in their institutional supply chain.**

This manual aims to:

- **Offer guidelines for educational institutions** to implement circular economy within their contexts
- **Provide essential knowledge and skillsets** to build their capacity to implement circularity in their processes and,
- **Kickstarting circular economy practices** in schools, colleges, universities and educational centers in India
- **Establishing hubs** for knowledge exchange and practice in educational institutions in India
- **Provide career opportunities** for students interested in building a career in circular economy



ANNEXURE 4

A MANUAL ON CIRCULAR ECONOMY FOR SMES: FOCUS ON PLASTICS & RECYCLABLE RESOURCES

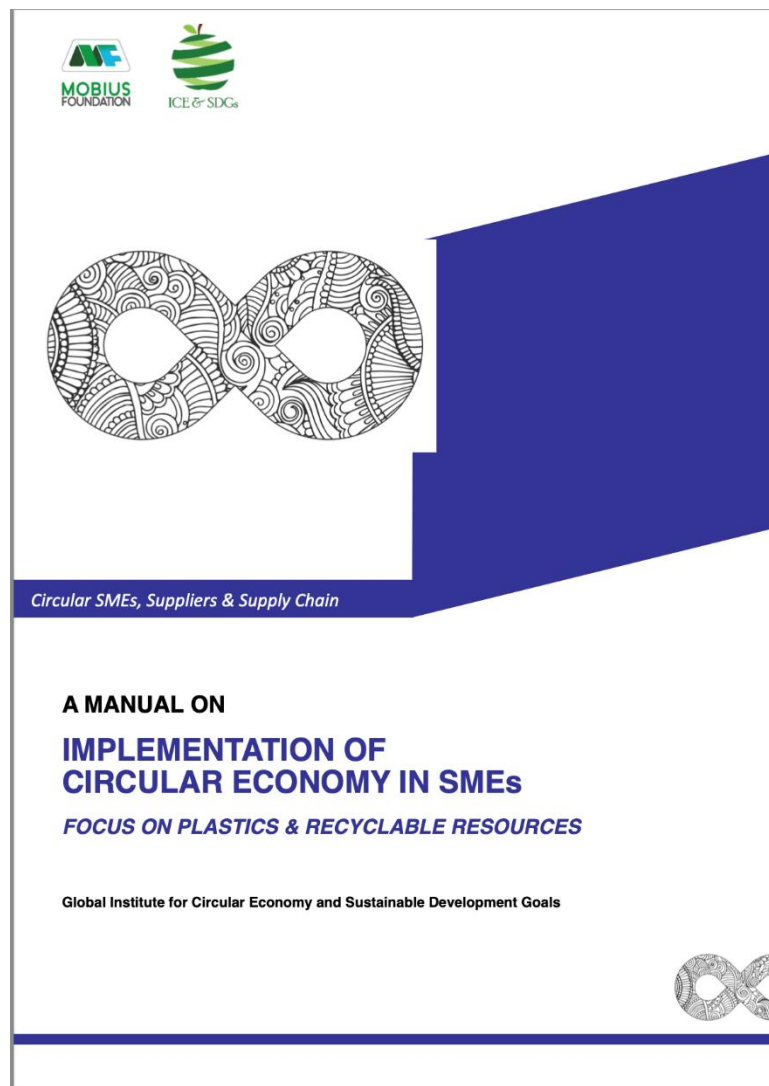
The project, 'Training of Trainers on Circular Economy (ToTCE) project is conceptualised by the Global Institute for Circular Economy and Sustainable Development Goals (ICE&SDGs) in partnership with the Mobius Foundation, India.

The project aims to develop the vision, mission, mindset, thought leadership and skillset for our much-needed transition from linear to circular economy.

These ToTCE programmes are designed to provide insights on how to align, design and implement circular economy using effective approaches, models and opportunities.

As part of the ToTCE programme, this manual aims to:

- **Offer guidelines for SMEs** to implement circular economy within their contexts
- **Provide essential knowledge and skillsets** to build the capacity of SMEs to implement circularity in their processes and
- **Accelerate our transition towards restorative and regenerative processes** and design in our industries and institutions



ANNEXURE 5

CIRCULAR ECONOMY SIMPLIFIED: WHAT, WHY & HOW

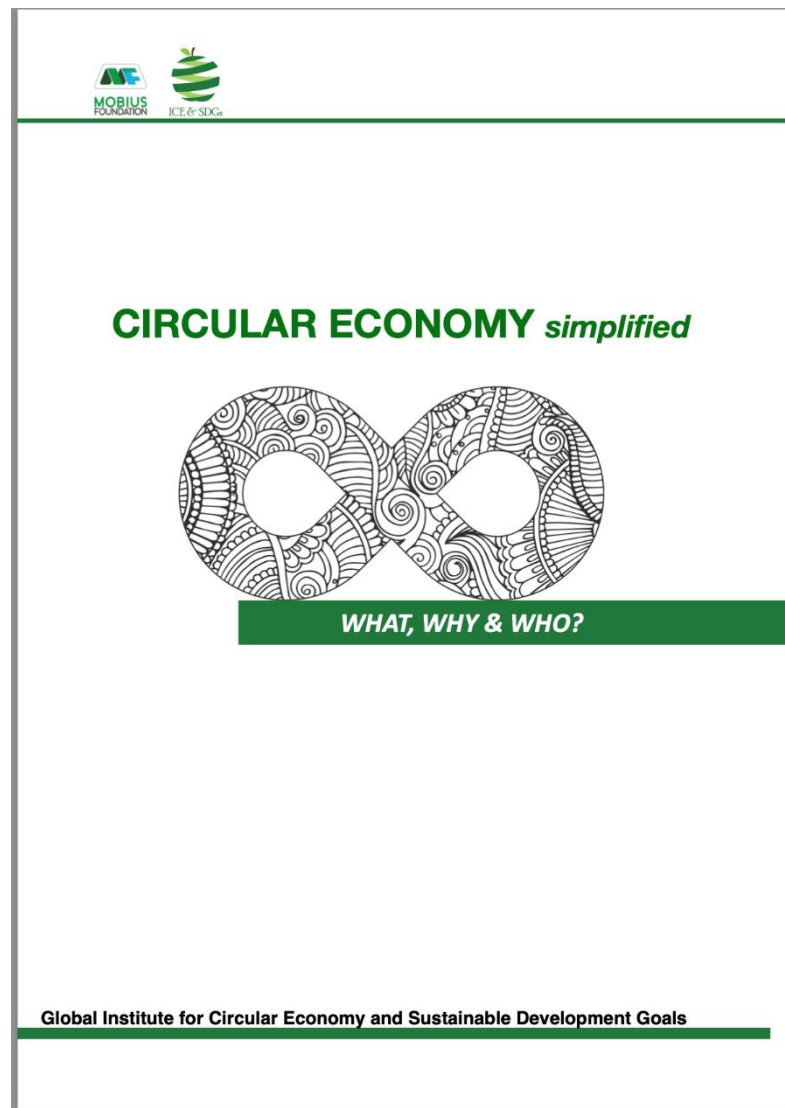
These ToTCE training programmes are designed to provide insights on how to align, design and implement circular economy using the PDCA Model and the Six Sigma Approach.

Circular Economy is the latest sustainability paradigm that is restorative and regenerative by design. It aims to keep products, components and materials at their highest utility and value. It helps in 'closing the loop' by refurbishing, recycling, re-using, circular design, reform and re-value for the benefit of our societies, environment and the economy.

The Training of Trainers on Circular Economy (ToTCE) project targets:

- Educational NGOs, Institutions, Organisations & Universities
- Plastic Sector SMEs (including supply chain of OEMs)

The purpose of this book is to sensitize and educate the students, SMEs, businesses, organisations and our clients and readers, interested in learning and understanding the subject.



ANNEXURE 6

PARTICIPANTS

TOTCE 1 - Nationwide Capacity Building Initiative: Implementation of Circular Economy at Educational Institutions (Training of Trainers), 19 -23 OCT 2021

1	First Name	Last Name	City
2	Theam Foo	Ng	Minden
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4	Jaspal Singh	Naol	Navi Mumbai
5	Youssif	Aboali	Nairobi
6	Swapnil	Newale	Pune
7	L. P.	Yadava	Lucknow
8	Mahmoud	Sayed Ali	Luxor
9	Madhav	Bapat	Sangli
10	Shrawan	Kumar	delhi
11	Naresh	Kumar	Noida
12	Pramila	Thapa	Kathmandu
13	Zerdoum	Saliha	AlgÃ©rie
14	Tanya	KATYAL	NEW DELHI
15	Er.G.C.	TRIPATHI	Meerut
16	S	Vishwa	LKO
17	Harshit	Asthana	LUCKNOW
18	Ringo	Yu	Hong Kong
19	Daymatter	Mikishoni	Blantyre
20	Noel Peter	Tan	Cebu City
21	Rosa	Coronado	Lima
22	Kisslay	Anand	Jamshedpur
23	Shiv Shankar	Yadav	Lucknow
24	Hobert	Asari	Port Moresby
25	SAI	VINOD	Bengaluru
26	Dr. Suhas	Rao	Mumbai
27	Anubha	Ashtikar	Raipur
28	Herbert	Tetty	Accra
29	Radharani	Radharani	HYDERABAD
30	suhasini	kotala	hyderabad
31	Dr M Dilip	Kumar	Hyderabad
32	ASHISH	TIWARI	LUCKNOW
33	Mandavi	Singh	Lucknow
34	Shaheed	Khan	BANGALORE
35	Emmanuel Raymond	Mwandama	Blantyre
36	Saganaboina vamsi	Krishna	Vijayawada
37	Isa	Shamim	Dhanbad
38	Dr K Sree	Laths	Hyderabad
39	Moussa	Ibrahim barka	N'Djamena
40	Alaka	Sarma	Guwahati
41	AMIT KUMAR	SHARMA	NEW DELHI

42	Sunny	Ubale	Mumbai
43	Paramjeet Kaur	Dhillon	Phagwara
44	Chandimal	Ranathunga	Belihuloya
45	Droupti	Yadav	Kanpur
46	Gokul	N	Bangalore
47	Patricia Ivette	Flores Zapata	Ciudad de Buenos Aire
48	Kavya	Yadav	New Delhi
49	Radhika	Ralhan	
50	Ruthie	Padilla	Quezon City
51	rohaniah	mohd nor	WP Putrajaya
52	Malla	Vijayeta	Hyderabad
53	Sreekanth	Raveendran Sukeshan	Doha
54	Ale Badara	Sy	Dakar
55	Etamoni	Chakma	Chittagong
56	Kemi	Linton	Bridgetown
57	Aman	Gupta	Navi Mumbai
58	Anju	Negi	Kolkata
59	Aparna	Vadlamannati	Hyderabad
60	Meena	Murugappan	Hyderabad
61	Vaikunthe	Banerjee	Noida
62	Irene	Valones	Manila
63	Sheena	Kapoor	Bhopal
64	Darshik	Modi	Mumbai
65	Charles G.	Pewee	Nairobi
66	Shinu	Vig	Ghaziabad
67	Ariel	Valones	Manila
68	Tanmayee	Vedak	Thane
69	Paulina	Criollo	Quito
70	Kannada	Rao M	Hyderabad
71	Seynabou	Mbengue	ThiÃ's
72	Shivani	Singh	Delhi
73	SHILPI	BAKSHI	Mumbai
74	Parmod	Mehra	IGNOU
75	Harshita	Chauhan	Ghaziabad
76	PATTABI	RAMAN	Chennai
77	Deepika Joshi	Pandramisi	Hyderabad
78	Raja Sekhar	Mamillapalli	Hyderabad
79	Shailender	Singh	Pilani
80	Manisha	Goswami	Dhanbad
81	Manisha	Choudhary	New Delhi
82	Gunjan	chaubey	Mathura

82	Gunjan	chaubey	Mathura
83	Dr. Poonam Singh	Minhas	Ghaziabad
84	Brenda	John	Basseterre
85	Rajakumar	Gollamandala	Hyderabad
86	Pugazhendi	Velu	Chennai
87	Madhu	Bopanna	Kodagu
88	Prasanna	Prasanna	Hyderabad
89	Preetika	Chopra	New Delhi
90	Movement	Abdullah	Kuala Lumpur
91	Sreekanth	Raveendran Sukeshan	Doha
92	Malathi	T	Hyderabad
93	Jana Das	Chaudhuri	New Delhi
94	Pranav	Umesh	Bangalore
95	Mukesh	Kumar	Ahmedabad
96	AHCV	Kumar	Hyderabad
97	Niramoy	Ganguly	Goa
98	Peter Nyanzu	Ackah	Hamburg
99	Vijaypal	Reddy	Hyderabad
100	Amarnath	Karan	Pune
101	Rubi	Choudhary	Ghaziabad
102	SHIVAANI	VISHWAKARMA	SPN
103	RAHUL	SHARMA	Mumbai
104	Varun	Subramanyam S	Bangalore
105	Giri	Guruswami	Cleveland
106	Pushpa	Kumari	Dhanbad
107	Tanaya	Saha	New Delhi
108	Animesh	Ghosh	Kharagpur
109	Vinita	Kumar	Delhi
110	Dr. Ram	Bhooj	New Delhi
111	Jorge	Ueyonahara	Lima
112	Wendmagegn	Baye	Addis Ababa
113	Harinatha	Reddy	Hyderabad
114	Shyam Kumar	Katta	Hyderabad
115	Dr.Divya	Nalla	Hyderabad
116	Kokkula	Shiva Prasad	Hyderabad
117	Dr. Manda	Saritha	Hyderabad
118	Jaspal Singh	Naol	Navi Mumbai
119	venu	MAROJU	Mumbai
120	Dessislava	Dimitrova	Sofia
121	Archana	Kushwaha	Delhi
122	Amit Kumar	Singh Parihar	Mumbai

123	Issa Darlington	Kamara	Makeni
124	Pradip	b	d
125	Kelley	Rowe	Cape Town
126	Alex	Orozco	Chicago
127	Ruchika	Kuthari	Guwahati
128	Firdous	Wani	SRINAGAR

TOTCE 2 - Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises (Training of Trainers). 15-17 NOV 2021

1	First Name	Last Name	City
2	Lucy Eneida	Gutiérrez Dongo	Megantoni, La Convención, Cusco
3	Vaishali	Patkar	Pune
4	Lingaraj	Niduvani	GADAG
5	piotr	barczak	
6	Emily	Pascua	
7	Aliya	Curmally	Mumbai
8	Kemoneilwe	Nchakata	Gaborone
9	Rajesh	Karan	
10	Hajjer	Gadin	Alexandria
11	Kannada	Rao M	
12	Ritwik	Pati	Lucknow
13	Rajeev	Tandon	delhi
14	Kunjpreet	Arora	Udaipur
15	SHILPI	BAKSHI	Mumbai
16	shilpi	karmakar	delhi
17	Rachit	Nair	
18	RameshKumar	G	Hyderabad
19	Shrawan	Kumar	delhi
20	Ashwani Kumar	Pandey	Lucknow
21	SUGARBEARHAIR	Sowlih	Jubail
22	S	Vishwa	
23	HARSHIT	ASTHANA	LUCKNOW
24	Priyanka	Singh	Lucknow
25	Srinivasan	M	Chennai
26	Haneen	Sowlih	
27	Dr J Daniel	Chellappa	Chennai
28	Santhosh	Kumar	Madikeri
29	G. L	Sathyamoorthy	
30	Yogita	Bhatia	Lucknow
31	Rosa	Coronado	Lima
32	Andres	Fernandez	
33	Shamini	Mishra	Pune
34	Logeshwaran	R.R	Coimbatore
35	Preetika	Chopra	New Delhi
36	Ellie	King	
37	Abhinav	Kumar	Rajbiraj

1	First Name	Last Name	City
2	Lucy Eneida	Gutiérrez Dongo	Megantoni, La Convención, Cusco
3	Vaishali	Patkar	Pune
4	Lingaraj	Niduvani	GADAG
5	piotr	barczak	
6	Emily	Pascua	
7	Aliya	Curmally	Mumbai
8	Kemoneilwe	Nchakata	Gaborone
9	Rajesh	Karan	
10	Hajjer	Gadin	Alexandria
11	Kannada	Rao M	
12	Ritwik	Pati	Lucknow
13	Rajeev	Tandon	delhi
14	Kunjpreet	Arora	Udaipur
15	SHILPI	BAKSHI	Mumbai
16	shilpi	karmakar	delhi
17	Rachit	Nair	
18	RameshKumar	G	Hyderabad
19	Shrawan	Kumar	delhi
20	Ashwani Kumar	Pandey	Lucknow
21	SUGARBEARHAIR	Sowlih	Jubail
22	S	Vishwa	
23	HARSHIT	ASTHANA	LUCKNOW
24	Priyanka	Singh	Lucknow
25	Srinivasan	M	Chennai
26	Haneen	Sowlih	
27	Dr J Daniel	Chellappa	Chennai
28	Santhosh	Kumar	Madikeri
29	G. L	Sathyamoorthy	
30	Yogita	Bhatia	Lucknow
31	Rosa	Coronado	Lima
32	Andres	Fernandez	
33	Shamini	Mishra	Pune
34	Logeshwaran	R.R	Coimbatore
35	Preetika	Chopra	New Delhi
36	Ellie	King	
37	Abhinav	Kumar	Rajbiraj

75	Rondine	Twist	
76	Kinley	Dorji	Thimphu
77	Kalyani	Pantangi	Bengaluru
78	Sagar	Bishnoi	
79	Archana	Kushwaha	
80	Arpit	Dubey	
81	Umamaheswaran	Krishnan	Delhi
82	Tapan	Mohanta	Jaipur
83	Manish	Kothari	Vithal Udyog Nagar Dist Anand
84	Trilochan Thorsten	Brehm	Groß Umstadt
85	Mark Glenn	Villamor	Roxas City
86	Tenzin	Gopal	
87	Dimitris	Kamberis	Nicosia
88	Kripa	Gopalan	Mumbai
89	Apurva	Akre	
90	V	'-	
91	Bikram	Basak	
92	Vaikunthe	Banerjee	
93	Priyanma	Jariwala	Bengaluru

TOTCE 3 - Capacity Building on Implementation of Circular Economy in Educational Institutions (Training of Trainers), 14-16 DEC 2021

	First Name	Last Name	City
1	Akanksha	Aggarwal	Anantapur
2	Sanjay	Negi	New Delhi
3	ARANI	ROYCHOUDHURY	Mumbai
4	Olabisi	Adebawo	Lagos
5	Megha	Raha	Kolkata
6	Karamveer	Singh	Chandigarh
7	HEMALATHA	KALASANNAVAR	Bengaluru
8	Marta	Vinocur	Rio Cuarto
9	Sai Suraj	Gadey	Vijayawada
10	Satyendra	Mishra	Mumbai
11	Sanket	Shah	Vadodara
12	Renu	Sharma	Delhi
13	Sankara Narayanan	Kannan	Chennai
14	Ujvala	Pardeshi	pune
15	Akanksha	Aggarwal	Puttaparthi, Andhra Pradesh
16	Shrawan	Kumar	Delhi
17	Arun	Sharma	Greater Delhi Area
18	Richard Addai	Buabeng	Koforidua
19	Asra	Sayyyeda	Hyderabad
20	Prashant	Moon	Nagpur
21	Mashego	Maleka	Lebowakgomo
22	Shruthi	Sugunan	Bangkok
23	Aftab	Momin	Pune
24	S	Vishwa	Hyderabad
25	Yves	Tchuidjang	Yaoundé
26	Harrison Ebuka	Eze	Enugu
27	Shyamala	Mani	New Delhi
28	Jorge Arturo	Calderas Winder	México
29	Kritika	Mathur	Delhi
30	Gunjan	Chaubey	Mathura
31	Manasi	mishra	bengaluru
32	Prashant	Pandey	Dehradun
33	Getamesay Behailu	Dagne	Addis Ababa
34	carola	menzel-hausherr	Frankfurt
35	Brenda	John	Basseterre
36	meena	m	Hyderabad

37	Priyadarshi	Maurya	Bangalore
38	Vikram	Deshmukh	Pune
39	Mahesh	Reddy	Hyderabad
40	Abhishek	Kumbharde	Pune
41	Umme	Hajira	Bangalore
42	Wekesa	Zablon	Nairobi
43	Mohammed	Riazuddin	Hyderabad
44	MANISHA	DHIMAN	Dehradun
45	Mushtaq	Memon	Bangkok
46	Dr Bharat	JAIN	Gandhinagar, Gujarat
47	Alaka	Sarma	Guwahati
48	shraddha	Kulkarni	Pune
49	Monoj	Hazarika	Guwahati
50	Abeer	Hassan	Glasgow
51	Shivam	Singh	Pune City East
52	Heinz Werner	Engel	Bruxelles
53	Charlene	Sharpe	Mandeville
54	Isaac	Otabor	Bauchi
55	Dr. Rojalin	Pani	Bhubaneswar
56	Inna	Semenenko	Sievierodonetsk
57	Saket	Bharti	Raipur
58	Moussa	Ibrahim barka	N'Djamena
59	Rubi	Choudhary	Ghāziābād
60	Shivani	Vishwakarma	shajahanpur
61	PRIYANKA	CHOPRA	Dehradun
62	DOLORES	RETIRADO	CITY OF PASIG
63	Dolores	Sucozhanay calle	Cuenca
64	Athena	Joseph	Mysore
65	Paramjeet Kaur	Dhillon	Phagwara
66	Kavya	Yadav	New Delhi
67	Aman	Gupta	Navi Mumbai
68	Chandimal	Ranathunga	Belihuloya
69	Shyam Kumar	Katta	Hyderabad
70	Asha	Jose	Tiruvalla
71	Gayathri	Govindarajan	Bangkok
72	Gwynne	Foster	Robertson

73	ARUNKUMAR.	G	Thiruvallur
74	Priyanka	Porwal	New Delhi
75	Jomilin	John	New Delhi
76	Pradip	Burman	New Delhi
77	Priya	Shankar	Chennai
78	Er Kanchan	Roy Chowdhury	Delhi
79	Manoj	Kumar	Bangalore
80	SASIPRIYAN	P	Tiruchirappalli District
81	Charlene	Sharpe	Kingston
82	Vaikunthe	Banerjee	New Delhi
83	Charu	Chhabra	Phagwara

TOTCE 4 - Capacity Building on Implementation of Circular Economy in Micro, Small and Medium Scale Enterprises, (Training of Trainers). 04-06 JAN 2022

No.	First Name	Last Name	Organization	Job Title
1	Venkateswara Reddy	Challa	bhaskari aqua products private limited	Assistant General Manager
2	TRUPTI	GHUGARE	RIARN WASTE MANAGEMENT PVT. LTD.	DIRECTOR
3	Ade Brian	Mustafa	Waste Solution Hub	Co-founder, Research Analyst of Waste Management
4	Arani	Roychoudhury	G & B	Manager
5	Olabisi	Adebawo	Nasow	Social worker
6	Vimala	Velayutham	School	Behavior Interventionist
7	Dr.Hemalatha. B	Kalasannavar	Silposathi Industrial Project Consultancy Ltd	Social Scientist / Economist
8	Kemoneilwe	Nchakata	Event Stars	Director
9	Faty	Babou	Gggi	Consultante
10	Usharani	K	Academic Institute	Assistant Professor
11	Godiraone	Goaletsa	Abog	Entrepreneurship Development and Innovation Consultant
12	Sanket	Shah	Corporate Governance Advisory Services	Director
13	Carolina	Paes	Metabolic	Sustainability Consultant
14	Shailendra	Singh	SustainMantra	CEO
15	Deepshika	Sridhar	5 Elements SDG	Research Associate
16	Arun	Sharma	ECube India 3R Waste Private Limited Delhi	CEO
17	Shrawan	Kumar	Mobius Foundation	Program Coordinator
18	Mamadou Camara	NDIAYE	SOCIÉTÉ AFRICAINE D'INGÉNIERIE ET DE RECHERCHES EN ENVIRONNEMENT RT DÉCHETS	General manager
19	Rajeev	Tandon	ASIS India Educational Services Pvt Ltd	MD
20	B S	SAMBI REDDY	HIGH FLOW FANS	CEO
21	Shailender	Singh	Birla institute of technology and science pilani	Research scholar
22	Massamba	DIOP	Massamba DIOP	Doctorant

No.	First Name	Last Name	Organization	Job Title
23	S	Vishwa	Ssanshodhan	Coordinator
24	Jai	S	Xact Diagnetek	Research Assistant
25	Islam	Salem	UTAS-Salalah	Assistant professor
26	Jorge Arturo	Calderas Winder	Ministry of Energy	Deputy Director
27	Aravinth Raj	Arivalagan	Climate Collective Foundation	Circular Economy Analyst
28	Chandrasekaran	J	Watsan Envirotech Private Limited	Founder Director
29	Heena	Sharma	Undp	Lead
30	Ebuka	Harrison	MONYMAN	HR
31	Robert	Galevo	SCS Global Services	Auditor
32	Hind	Barghash	German University of Technology in Oman	Dean of faculty of Engineering and Computer Science
33	Sudalai	Muthu	Enviro Zone	CEO
34	S	Sharma	Institute for Circular Economy	Director
35	Saoni	Ganguly	Silpo-Sathi Industrial Projects Consultancy Ltd	Project Director
36	udaysingh	gautam	ASCI	Program manager
37	Hari Shankar	Vishwakarma	IndusCliniqon LLP	Director
38	Krishna	Ravi	Reckon Green Innovations Pvt Ltd	MD
39	Ram	Chavan	Envosolutions Technical Enterprises	Consultant
40	Chandan	Sonowal	Coretouch Technologies	Director
41	Moazul	Haque	CuTpasTe	Co-founder
42	Dr	Sameer joshi	Indian Plastics Institute	Hon Treasurer
43	Preetika	Chopra	TERI School of Advanced Studies	Student
44	Poorna	Khanna	Deshwal Waste Management	Associate
45	HAMMADHU RUKIYA JALVA	H	VIT CHENNAI	Research scholar
46	Gauri	Jauhar	IHSM	Exec Director
47	Soumitri	Das	USAID	Project Management Specialist (Environment)
48	Shrinivasan	GB	Aspiring entrepreneurs in waste management	Founder
49	Preethi	Sivan	E Waste Social Private Limited	Environment Scientist

No.	First Name	Last Name	Organization	Job Title
50	Murali	Shivajigari	Na	Sri Krishna
51	Sriphani	Vissamraju	ecomall.xyz	CEO
52	NISANTH	NAN	Waste Management Company	Environmental Engineer
53	Kanwal	Sujit	TerraLive Envirotech Pvt Ltd	Director
54	HEMA	GAITONDE	na	Practising Company Secretary
55	Ali	Syed	WWF	Circularity
56	VARDAH	IRAM	Customer Services	Economic Researcher
57	Raja	Dhanapal	DHL Supply chain	Logistics analysts
58	Dileep	Busigonda	East Coast Sustainable Pvt Ltd	Dy Manager
59	Meera	Ravikumar	GMV Engineering Pvt Ltd	Director
60	Vikram	Maturi	Asquare Water Engg. P Ltd.	Consultant
61	Shivani	Vishwakarma	sanshodhan	Director
62	Rahul	N	Lighting Lanterns Media works private Limited	Founder and CEO
63	Vivek	Gupta	Digital Futurists Angels Pvt Ltd	Do-founder & Director
64	Sandeep	Chakravartty	Publicis Sapiient	Associate
65	DOLORES	RETIRADO	San Lorenzo Ruiz Senior High School	teacher1
66	Iram	Maimuna	E Waste Social Private Limited	CEO
67	Sukriti	Kashyap	Sukreation	Sustainability Advisor
68	Dr. Ram	Bhooj	Mobius Foundation	CEO
69	Kundan	Jaiswal	new kishansathi FPO	Vice president
70	Anitha	Shankar	Astu Eco Delightful Earth-friendly	Founder
71	Arjmand Qayyum	Amjad	Espire Consult	Manager Sustainability
72	Ruba	Al-Thawabeia	Jordan Standards and Metrology Organization	Head of Chemical Industries Division
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