

**IETE NOIDA Center
Center of Excellence 'CoE'**



One Day Capsule Course on Green Electronics Plastic Waste Management & Recycling (IS 14534:2023)

- ❖ **Handholding and Mentoring Support**
- ❖ **No Previous experience required**
- ❖ **No Age or Education Barrier**
- ❖ **IETE Certificate on completion**

Date: 05-Sep, 2025



Empower Yourself with:

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- To understand Plastic - Waste Management Processes from Generation to Recycling
- Understanding Regulatory Compliance and Environmental Impact as per IS14534:2023
- Developing Business Strategies for Sustainable Plastic - Waste Management
- How to start an Plastic - Waste Business with minimum investment and make profit

Note: Soft copy of training material, Writing material and Tea/ Snacks will be provided

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Venue: The Institution of Electronics and
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About IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is a professional society dedicated to the advancement of electronics, telecommunication and information technology. Established in 1953.

IETE is a leading body in India that promotes technical education, research and development in these fields. The Government of India has recognized IETE as a Scientific and Industrial Research Organization (SIRO). IETE also holds the status of an educational institution of national eminence.

Centers

IETE has 63 centers in India and abroad with over 1,25,000 members, including the IETE Centre of Excellence 'CoE' in Noida, which is organizing this capsule course on plastic waste management and recycling

Objectives

1. Promote the advancement of electronics, telecommunication and IT.
2. Provide a platform for professionals to share knowledge and expertise.
3. Foster research and development in these fields.
4. Offer certifications and training programs for professionals

Activities

1. Organizes conferences, seminars and workshops on emerging technologies.
2. Publishes technical journals and newsletters.
3. Provides certification programs for professionals.
4. Offers training and development programs for industry professionals

About the Course

Technical Understanding

This course provides insights into plastic waste management, primarily focusing on green electronics, as outlined in **IS 14534:2023**. It covers best practices for managing plastic waste with a special emphasis on applications in the telecom and electronic sectors.

Participants will get knowledge of effective plastic waste management and recycling techniques. The course will cover plastic waste reduction, recycling, and proper disposal methods.

By completing this course, participants will understand effective plastic waste management practices tailored to the electronics industry.

Entrepreneurship Development

The course is designed to equip participants with the knowledge and skills necessary to develop entrepreneurial ventures in the plastic waste management sector, generating more entrepreneurs and fostering independence. By understanding the intricacies of plastic waste management, participants can identify business opportunities in areas such as collection, segregation, recycling, and consulting, and develop innovative solutions to address environmental challenges.

Environmental Impact and Sustainability

The course aims to promote sustainable entrepreneurship in the plastic waste management sector, enabling participants to make a positive impact on the environment while building successful businesses. By exploring business models and strategies for plastic waste management, participants can contribute to a more sustainable future, reduce environmental pollution, and capitalize on emerging opportunities in this field, ultimately becoming self-reliant and independent entrepreneurs.

Training Methodology

The course will employ a blended approach, combining:

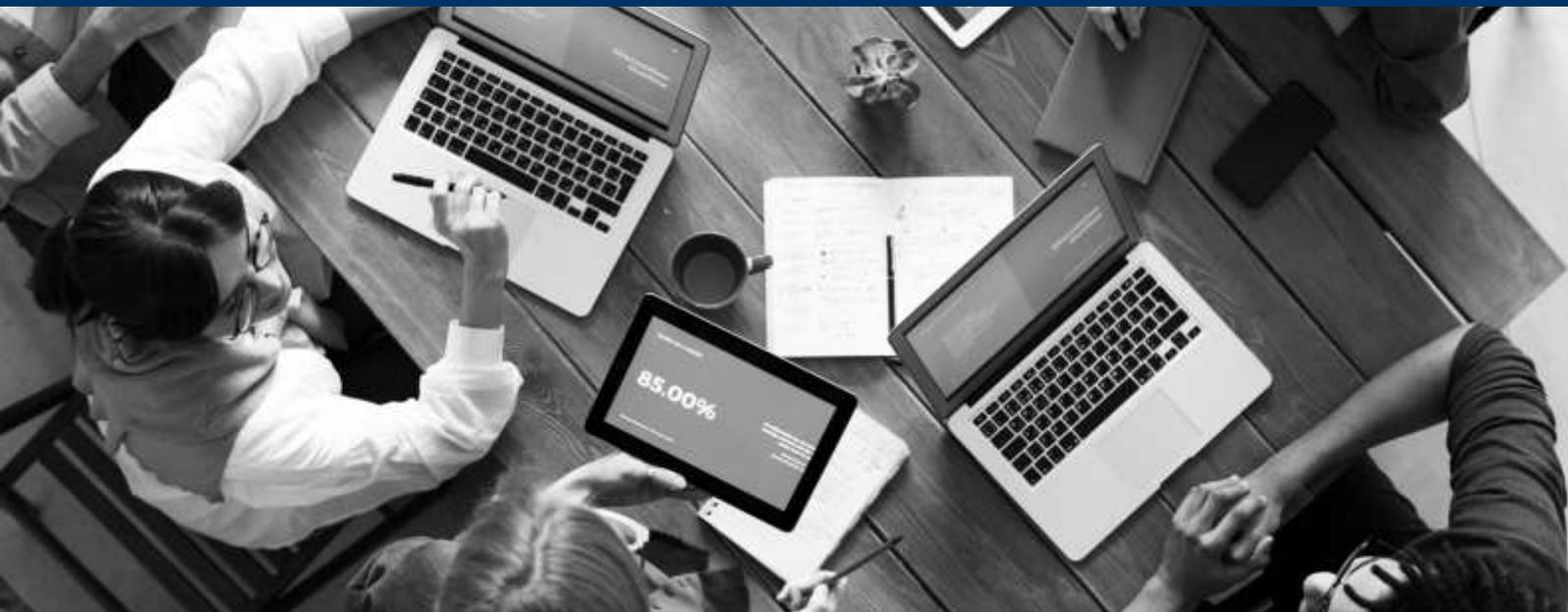
1: Classroom-based lectures

2: Interactive presentations

3: Informative videos

4: Real-life case studies

5: Devising on green electronics, plastic waste management and recycling.



Learning Objectives

1: Develop Awareness

Understand collection, sorting, and processing of plastic waste, including PET, PVC, GDPE, LDPE, PP, PS, PC, ABS, PU, PI, PEEK, PPSU, PBT, PE, PTFE, EPDM and other types commonly used in electronics & telecom industries.

2: Achieve Quality Standards

Acquire skills to produce high-quality recycled materials meeting prescribed standards for plastic waste management as per IS14534: 2023.

3: Analyze Impacting Factors

Understand the impact of various factors on plastic waste recycling and management in industries primarily electronics, consumer durable & telecom industry.

4: Apply Best Practices

Implement efficient collection, sorting, and recycling techniques for plastic, ensuring minimal environmental impact.

5: Evaluate and Improve

Critically evaluate and identify opportunities for improvement in plastic waste management

6: Contribute to Sustainability

Promote environmentally responsible practices and reduce plastic waste.



MARKET RESEARCH

India Plastics Market

India Plastics Market Share, by Region in 2023 (%)

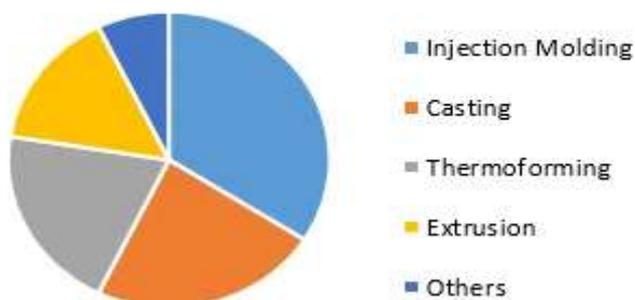


Indian Market Size

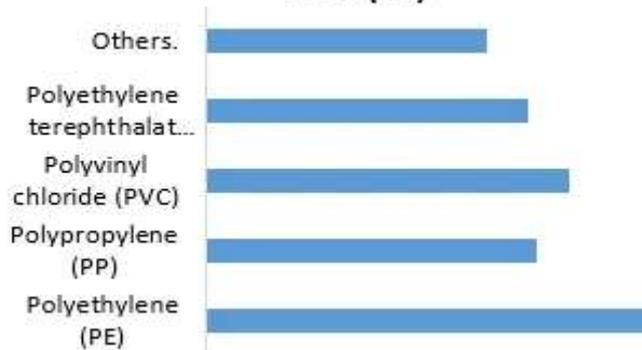
Year	Market Size (USD Billion)
2023	USD 43.68
2030	USD 68.33

Market Size in Billion

India Plastics Market, by Application In 2023 (%)



India Plastics Market, by Product in 2023 (Bn)



6.6% CAGR

Sr. No.	Year	Plastic Waste Generated (Tons Per Annum)
1:	2018-19	3,360,043
2:	2019-20	3,469,780
3:	2020-21	4,126,997

Data by MoEFCC 2023

Market Size & Future Growth Potential:

India Plastics Market was worth **US\$ 43.68 Bn** in 2023 and total revenue is expected to grow at a rate of **6.6% CAGR** from **2024** to **2030**, reaching almost **US \$ 68.33 Bn** in 2030...

Our Speakers



Prof. G P Singh



Brig. V K Tandon (retd)



Prof. (Dr) Shailesh Mishra

Prof. GP Singh, FIETE, MIMA, PGDIM, B.E. (Electronics & Communication), is a distinguished veteran with 54 years of experience in the field of telecommunications and space technology. A Senior Scientist retired from ISRO, he was recognized with the prestigious ISRO Award for his contributions. Currently, he serves as Chairman of the IETE Noida Center and Formal Consultant to Antarix Corporation. With a proven track record of delivering numerous Indian and international projects, Mr. Singh is a renowned expert in Set-Com technology. As a Fellow of IETE and a respected figure in industry and academia, he continues to share his knowledge and insights, inspiring future generations

Brig. Vinod Tandon (Retd.) is a distinguished veteran of the Indian Army with 56 years of experience. A seasoned expert in Electronic Warfare, he served as Chief Signaling Officer for the Army's conversion of water areas in Gujarat and Rajasthan. As Chief Instructor at the Military College of Telecommunication Engineering, he mentored numerous officers. With a background in Electrical Engineering, Brigadier Tandon is a respected figure in the field of telecommunications. A veteran and Fellow Member of IETE, he continues to share his expertise and insights with industry and academia.

Prof. (Dr) Shailesh Mishra is an accomplished professional is a Certified Chartered Engineer and a Fellow IETE, Fellow ISLE, Fellow APA who's involved in doing the right piece of research with over 23 years of experience in Environmental Research, Regulatory Affairs, Safety Standards, Brand Support and Government Affairs. He is currently involved with over 250 brands with several Industry Associations, Ministries, Universities/Academic Institutions and NGOs as Adviser at ascendant levels. Dr. Mishra has worked with companies like PCTIL, Samsung, Videocon and Panasonic, where he last served as Head of Technical Regulations and External Affairs for APMEA region. Dr. Mishra holds dual doctorates in Business Management and Electronics and Communication Engineering. Featured in Forbes India and recipient of BW 40 Under 40 award in Education. He has received the prestigious Person of the Year award for three consecutive years. With 49+ patents in various fields of electronics, physics, Acoustics and Plant anatomy, Dr. Mishra is a prolific innovator. He mentors with Ministry of Skill Development and Entrepreneurship (NIESBUD), National Skill Development Corporation (SIDH) and Ministry of Electronics and IT (ESDM). He is also an EC member of IETE Noida Centre, driving innovation and growth in multiple capacities.

Credits



Center of Excellence 'CoE', IETE NOIDA Center

For the management and operational support, venue and certification



M/s Otrinee India Pvt. Ltd

For the program directions, contents development and Training

Happy learning!