

EVENT REPORT

Event Name: National Seminar/Expert Talk

Aim of Event: Integrated Solid Waste Management: Perspective and Way forward-A Case Study of Gurugram

Participation: 70 participants from Department of Civil Engineering, Amity University

Date: 09 Feb 2018

Venue: Smart Class Room, C-214, ASET, AUH

Organized By: Department of Civil Engineering, ASET, AUH

Faculty Coordinators:

Chair: Maj. Gen.V. K. Narang (Retd.), Director, Amity School of Engineering & Technology, AUH.

Co-Chair: Prof. (Dr.) R.K. Malik, Prof. & Head, Dept. of Civil Engg., AUH.

Co-Chair & Convener: Dr. Naveen B.P., Associate Professor, Dept. of Civil Engg., AUH.

Treasurer: Mr. Lalit Kumar, Assistant Professor, Dept. of Civil Engg., AUH.

Hospitality: Mr. Lalit Kumar, Assistant Professor, Dept. of Civil Engg., AUH.

Outcome related to Academia Connect

In India, mostly the collection, transportation, disposal, processing, recycling and treatment of Municipal Solid Waste (MSW) are not effectively managed. Uncontrolled dumping of wastes on outskirts of towns and cities has created overflowing landfills which are not only difficult to reclaim but also have serious environmental implications in terms of groundwater pollution and contribution to global warming. Mostly different activities of solid waste management (SWM) viz. the collection, segregation, transportation, disposal, processing, recycling and treatment are not effectively handled and managed in cities and towns in India. The unscientific dumping of solid waste in the vicinity of city and towns has seriously affected the surrounding air, soil and water bodies. Today, we are facing with nearly 80 percent of generated solid waste going unprocessed. This is compounded by rapid urbanization, increased rural-urban migration and the complexity of waste management in largely unplanned and expanding cities. Gurugram, a Millennium City located in the National Capital Region (NCR) near Delhi (National Capital of India) with its dynamic population and constantly evolving infrastructure is an example of a city that requires concerted efforts from all stakeholders to ensure that waste is managed in a sustainable manner. While municipal efforts are on track to achieve the objective of complete scientific solid waste management under the mission. Stakeholders' participation is critical to ensure a comprehensive approach to the same. The focus of the seminar is an overview of the existing municipal solid waste management systems in Gurugram city. The major issues and the feasible solutions for management of municipal solid waste on sustainable basis have also been outlined.

The focus of the seminar addressed the problem by focusing on management of the municipal solid waste on scientific lines using appropriate technologies and practices in Gurugram. The main objective of this seminar is to create awareness in the areas of solid waste management with the involvement of the scientists, experts, academicians, policy makers, consultants, technologists and service providers working in this domain. The outcome of the seminar will be to gain state of the art of the practices and the technologies in the area of solid waste management through exchange of experiences. This seminar helped in networking with solid waste management experts for innovative solutions and to analyze and synthesize the current practices and technologies.

Outcome related to Industry Connect

Overall, it was an overwhelming experience where the experts shared their insights and gave new perspectives which can lead to further sustainable action and fruitful interactions.

This seminar includes with a discussion and policy recommendations to improve waste management practices and waste-to-energy conversion. As this seminar seeks to identify more sustainable options for waste management and waste-to-energy conversion in urban centers, the target audience for this session includes Indian policymakers and urban planners involved in the waste management process.

Based upon deliberation of seminar/expert talk, technical sessions, participants presentations, question answer session, several rounds of formal and informal discussions on different aspects of waste, this seminar been able to document few very critical suggestions and able to recommend following points for waste management as whole.

1. **Source Reduction:** There is urgent need of source reduction of waste at individual and community level by augmenting behavioral aspect of consumption.
2. **Segregation and collection:** The best result can only be achieved at source itself if segregated there. So a social awareness programme for common people and skilling up programme for rag pickers will substantially transform the scenario.

Outcome related to Students Learning &Grooming

The collection, transportation, disposal, processing, recycling and treatment of Municipal Solid Waste (MSW) are not effectively managed in cities and towns in India. Uncontrolled dumping of wastes on outskirts of towns and cities has created overflowing landfills which are not only difficult to reclaim but also have serious environmental implications in terms of groundwater pollution and contribution to global warming.

Gurugram, a millennium city with its dynamic population and constantly evolving infrastructure, is an example of a city that requires concerted efforts from all stakeholders to ensure that waste is managed in a sustainable manner. While municipal efforts are on track to achieve the objective of complete scientific solid waste management under the mission, stakeholder participation is critical to ensure a comprehensive approach to the same. Today, we are facing with nearly 80 percent of generated solid waste going unprocessed. This is compounded by rapid urbanization, increased rural-urban migration and the complexity of waste management in largely unplanned and expanding cities.

Outcome related to Society outreach

- To gain state of the practices and technologies in the areas of solid waste management through exchange of experience
- To analyze and synthesize the current practices & technologies in MSWM.
- To discuss and evolve the location-specific best practices for MSWM.

Glimpses of the Event (Photographs)



Fecilitating the guest of honour



Welcome address by HOD, Department of Civil Engineering
Dr.(Prof.) R.K. Malik



Expert Talk Address titled " Integrated Solid Waste Management: Perspective and Way forward- A Case study of Gurugram " by
Ms. Shubra Puri, Founder Director, NGO GURGAON FIRST



Momentum handover to the Guest Speaker

Discussion Session





Vote of Thanks



Vote of Thanks by Dr Naveen BP

Venue:



Venue: Smart Class Room C-214

Glimpse

