

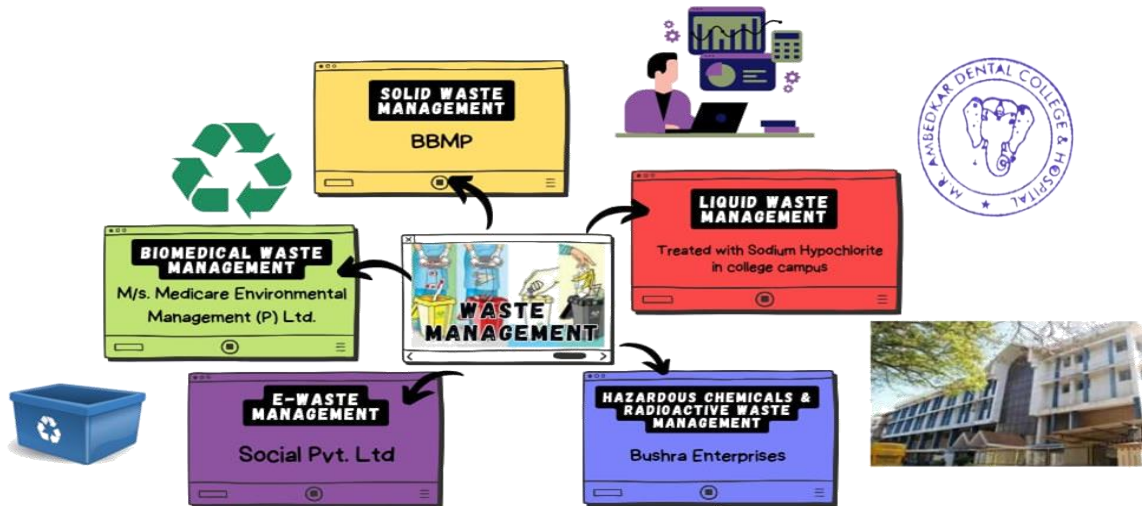
# MATHRUSRI RAMABAI AMBEDKAR DENTAL COLLEGE & HOSPITAL

(Founded by : Ananda Social & Educational Trust)  
ISO 9001:2015 CERTIFIED

Affiliated to Rajiv Gandhi University of Health Sciences  
Recognised by Dental Council of India

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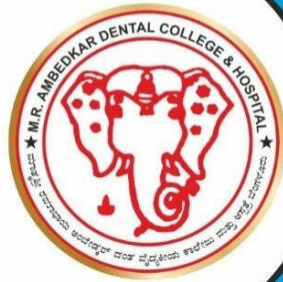
## WASTE MANAGEMENT POLICY



- **SOLID WASTE MANAGEMENT:** Color-coded bins are available to segregate wet (Green) and dry waste (black) and the waste is disposed to the BBMP waste handlers.
- **LIQUID WASTE MANAGEMENT:** Department of oral and maxillofacial surgery and Minor OT, the liquid waste generated after the treatment is directed into Hypodrop machine. This is subjected to treatment using a 2% sodium hypochlorite solution. The release of the treated liquid transpires once it attains a designated indicator point, then it is allowed to the main drainage system through outlet pipe.

### PRINCIPLES OF WASTE SEGREGATION:

The institution follows the basic principle of good Bio-Medical BMWM practice is based on the concept of 4Rs, namely, reduce, reuse, recycle and recover. Biomedical waste is any waste produced during the diagnosis, treatment, or



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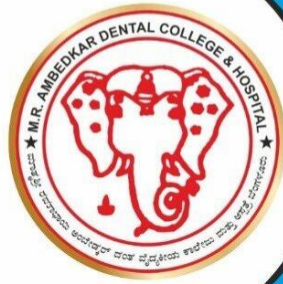
immunization of human or animal research activities pertaining thereto or in the production or testing of biological or in health camps.



## BIO-MEDICAL WASTE MANAGEMENT (BMWM)

CATEGORY	TYPE OF WASTE	COLOR & TYPE OF CONTAINER
YELLOW	<ul style="list-style-type: none"> <li>➤ Human Anatomical Waste</li> <li>➤ Animal Anatomical Waste</li> <li>➤ Soiled Waste</li> <li>➤ Discarded or Expired Medicine</li> <li>➤ Microbiology, Biotechnology and other clinical laboratory waste</li> <li>➤ Chemical Waste</li> <li>➤ Chemical Liquid Waste</li> </ul>	<p>Yellow colored Non-Chlorinated Plastic Bags (having thickness equal to more than 50 μ) or containers</p>  <p>Note</p> <ul style="list-style-type: none"> <li>(i) Infected secretions, aspired body fluids etc from laboratory are disinfected before mixing with another wastewater</li> <li>(ii) Liquid chemical wastes are pretreated/ neutralized before mixing with other wastewater from hospital.</li> </ul>
RED	<p>Contaminated Waste (Recyclable)</p> 	<p>Red Colored Non-Chlorinated Plastic Bags (having thickness equal to more)</p> 

  
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WHITE	Waste Sharps including metals	White Colored translucent, puncture proof, leak proof, Temper Proof containers 
BLUE	<ul style="list-style-type: none"> <li>➤ Glassware</li> <li>➤ Metallic Body Implants</li> </ul>	Cardboard boxes with blue colored marking or blue colored puncture proof, temper proof containers  

Bio Medical Waste Management Rules, 2016 categorizes the bio-medical waste generated from the hospital into four color coded categories:

### BIOMEDICAL WASTE SEGREGATION:

BMW generated from the hospital is segregated at the point of generation as per the color coding according to BMWM Rules, 2016.

### BIO MEDICAL WASTE COLLECTION

**BMW** should be collected on daily basis from each department of the hospital at a fixed time. All the BMW should be collected, segregated, packed and sent to Temporary Storage Room (TSR).

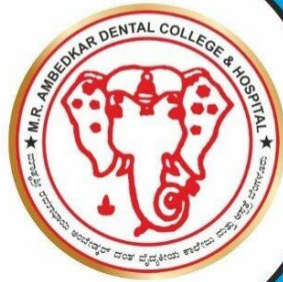
### TRANSPORTATION AND MANPOWER:

In-house transportation of BMW from site of generation to TSR within the premises is done in closed trolleys for easy maneuverability. The management has signed an agreement with the M/s. Medicare Environmental Management (P) Ltd., functioning at Dabaspet, Nelamangala Taluk.

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## **E-WASTE MANAGEMENT:**

M R Ambedkar Dental College & Hospital (MRADCH) is committed to environmentally responsible practices, including the management of electronic waste (e-waste). E-waste, such as outdated electronic devices and equipment generated by students and staff, is collected in collaboration with E-Waste Social Pvt. Ltd., with whom the institution has signed a Memorandum of Understanding (MoU). This partnership ensures that e-waste is disposed of or recycled in a manner that minimizes environmental harm. By adhering to proper e-waste management protocols, MRADCH reduces its ecological footprint and promotes sustainable waste disposal practices within the campus community.

## **WASTE RECYCLING SYSTEM:**

M R Ambedkar Dental College & Hospital (MRADCH) promotes sustainability through an effective waste recycling system. Old and unusable items such as furniture, dental chairs, equipment, and other materials are not simply discarded but are auctioned to scrap dealers. This recycling initiative ensures that materials are repurposed, reducing waste and contributing to environmental conservation. By adopting this system, MRADCH demonstrates a commitment to responsible resource management and the reduction of landfill use. This practice aligns with the institution's broader eco-friendly goals, fostering a greener campus and supporting the principles of sustainability.



  
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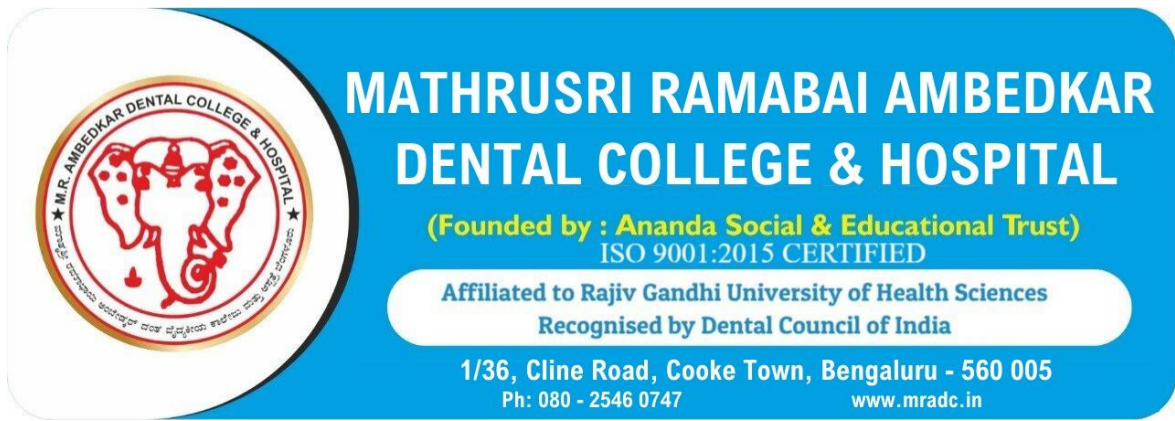
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## HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE MANAGEMENT:

M R Ambedkar Dental College & Hospital (MRADCH) follows stringent protocols for the management of hazardous chemicals and radioactive waste, particularly in the Department of Oral Medicine and Radiology. The radiographic chemical waste produced is safely handled and disposed of by authorized dealers, with Bushra Enterprises overseeing this process. This ensures that all hazardous materials are managed in compliance with environmental and safety regulations, minimizing any potential risks to health or the environment. By collaborating with certified professionals, MRADCH upholds its commitment to responsible waste management and environmental sustainability in handling hazardous substances.



  
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## “Biomedical Waste Management Workshop”

**Overview:** The "Biomedical Waste Management Workshop" will be conducted annually every year at MRADCH with the aim of sensitizing teaching staff, non-teaching staff, and students to the importance of proper biomedical waste management. The workshop focused on educating participants about the 4Rs (Reduce, Reuse, Recycle, and Recover) and the essential guidelines for handling, segregating, and disposing of biomedical waste as per the Biomedical Waste Management Rules, 2016.

### Objectives:

- To raise awareness about the safe handling and disposal of biomedical waste.
- To educate staff and students on waste segregation, transportation, and final disposal practices.
- To emphasize the environmental and health risks associated with improper waste management.

**Participants:** The workshop was attended by faculty members, non-teaching staff, and students from various departments. Participation was encouraged across the institution to ensure comprehensive sensitization on the issue.



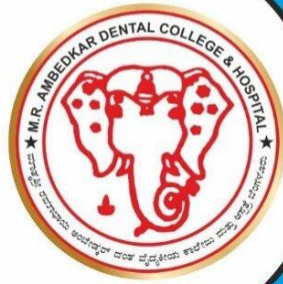
### Key Sessions:

1. **Introduction to Biomedical Waste:** A session that introduced the types of biomedical waste, their sources, and the risks they pose to healthcare workers, patients, and the environment.
2. **Waste Segregation and Color Coding:** The importance of segregating waste into color-coded categories—yellow, red, blue, and white—was discussed. Participants were guided on which waste items go into each bin to ensure proper disposal.
3. **Practical Demonstration:** A live demonstration on the correct methods of handling, segregating, and packing biomedical waste for collection. Emphasis was

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placed on the role of non-teaching staff in maintaining hygiene and safety standards.

4. **Role of Teaching and Non-Teaching Staff:** A session that highlighted the role of teaching and non-teaching staff in overseeing biomedical waste management practices in their respective departments. This included ensuring compliance with guidelines and mentoring students on safe practices.
5. **Q&A and Discussion:** An interactive segment where participants raised queries and shared their challenges in handling biomedical waste. Expert speakers addressed concerns and provided solutions for improving waste management processes.

**Conclusion:** The workshop successfully raised awareness and enhanced the knowledge of participants regarding biomedical waste management. It provided valuable insights into the roles and responsibilities of both staff and students in maintaining a safe and clean healthcare environment. MRADCH remains committed to implementing best practices in waste management and ensuring compliance with national regulations to protect both public health and the environment.



## Outcome:

- Increased understanding of biomedical waste segregation and disposal methods.
- Sensitization of the entire MRADCH community on the importance of proper waste handling.
- Reinforced commitment to environmental sustainability within the institution.

## Recommendations:

- Regular workshops and training sessions to maintain a high standard of waste management practices.
- Continued monitoring of waste management procedures across departments.

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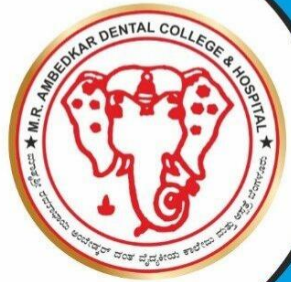
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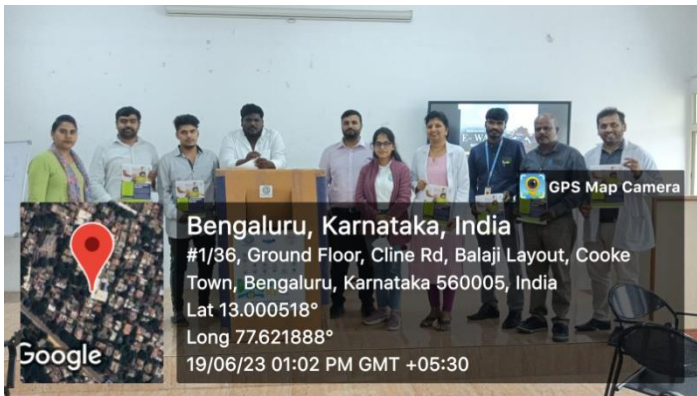


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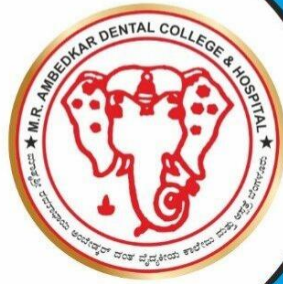
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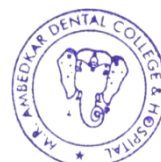
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5, Lloyd Rd, Balaji Layout, Cooke Town, Bengaluru,  
Karnataka 560005, India

Latitude 13.001016666666665 Longitude 77.62208166666666°  
Altitude 898.3 meters  
Local 11:25:45 AM Thursday, 05-12-2022  
GMT 05:55:45 AM



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