



# RajaRajeswari College of Engineering



(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

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## Department of Civil Engineering

Report of visit to RajaRajeswari Medical College and Hospital (RRMCH), Bengaluru on Friday, 06<sup>th</sup> January 2023 with respect to the subject 21SCR36 SOCIAL CONNECT & RESPONSIBILITIES of 3<sup>rd</sup>-semester students of Civil Engineering

The following faculty members are arranged, coordinating, and accompanying the students

1. Dr.M.Karthikeyan, HOD-R&A
2. Dr. Ashwini.L.K, AP-Civil

### Event Photos



Students of the Department of Civil Engineering are reached the college after the visit to RRMCH.



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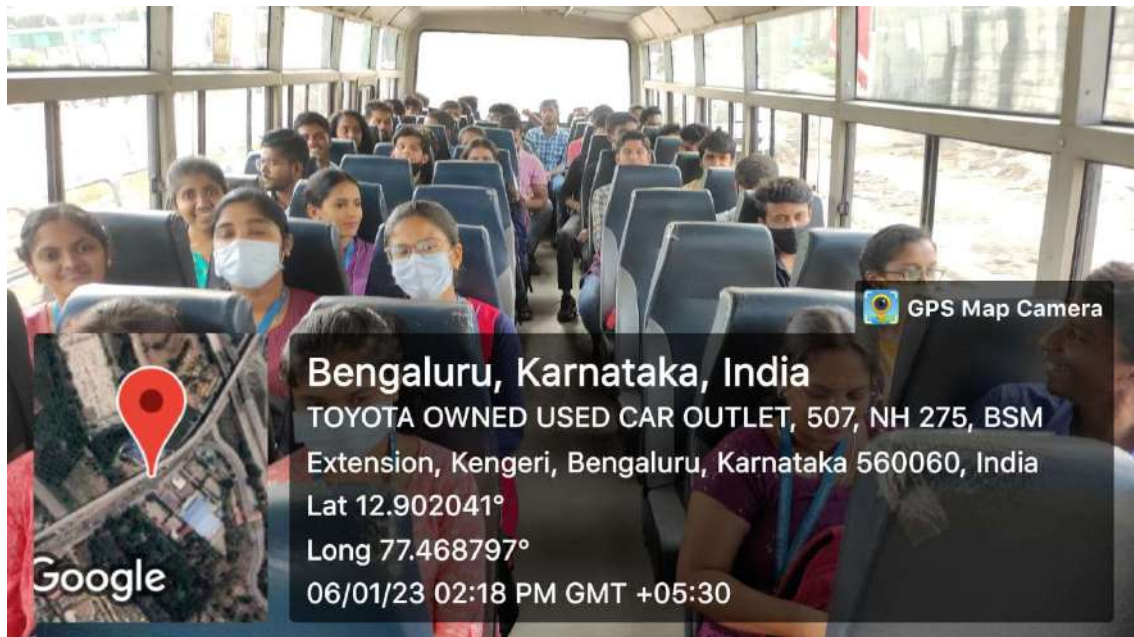


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### Event Photos



Students of the Department of Civil Engineering boarded the bus to RRMCH



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Dr Sharma D C briefed the various waste management facilities are available in RRMCH to the students



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Dr Sharma D C briefed the how the food waste is used to produce bio gas at RRMCH to the students



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Dr Sharma D C briefed the how the sewage water is treated and how it is used for gardening and other irrigation purposes at RRMCH to the students



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### Report on Industrial Visit to RRMCH

1. Firstly a detailed explanation of need the water conservation, managing and maintenance of water demand at the global level, need for the design of Biogas plant,



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Sewage treatment plants at the commercial buildings, Hospital buildings and Residential building was presented through power point by the Resource Person Dr.D C Sharma, Professor, RRG1.

2. The various parameters to be considered in the design of biogas plant such as food waste, sludge formation, disposal sludge, separation ifof food waste and feeding at the inlet point, quantity of waste to be fed at the inlet was discussed at the site in detail.

3. Capacity of the biogas plant, maxiumum quantity of the food waste to be fed on, operation of biogas plant, working principal of the plant, technical staff necessity to handle the plant, Pros and cons of biogas plant handling, distribution of the gas generated to Mess for the purpose of cooking food and its storage information was delivered at the site

4. Visited to two numbers of Sewage treatment plant with capacity of 350KLD and 550KLD with domestic waste water from Hostels & appartments and Rajarajeswari Hospital waste water.

5. Exposure to burning of sludge and medical wastes was provided in detail.

Dr.ASHWINI L K  
Assistant Professor

Department of Civil Engineering