

Date : 1st Jan,2024

Circular

All the 3rd Semester Students are hereby informed to note that, there will be a Field Visit to Material Recovery Facility(MRF) Waste Management Solutions Plant, Nitte, Karakaia Taluk, Udupi Dist. as a part of the Social Connect & Responsivity(22SCR36) Course. In this regard, students are informed attend the same as per the below schedule and follow the proper instructions given by faculty during the visit.

Date/Time	Class & Section	Faculty In charge
4 th Jan,2024 9AM-12 PM	III CSE A	Dr.Asiam Nandyal Mr.Abhijith L Kotian
4 th Jan,2024 1 PM-4 PM	III CSE C	Mr.Kiran B V Mr. Nagaraj V. Telkar
5 th Jan,2024 9AM-12 PM	III CSE B	Mrs.Deeksha M Mrs.Deepika Kamath

Instructions

- All the students are informed to assemble at specified time
- All should be in Uniform, Shoes and need to carry Notepad & pen for writing the contents.
- *Screaming while boarding the bus at AIFT Campus, during travelling and misbehaving with others will be dealt seriously & such students will be disqualified from the LA Marks.*
- All the students should produce handwritten report to concerned SCR Coordinator on 6th Jan,2024 without fail.

[Signature]
HOD, CSE
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodbidri- 574 225, D.K., Karnataka, India

[Signature]
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Seeking Permission for VISIT TO MRF PLANT

Prashanth Kumar <prashanthk@alet.org.in>
To: "gpnitte@gmail.com" <gpnitte@gmail.com>
Cc: HOD CSE AIET <aletcse08@alet.org.in>

Mon. Jan 1, 2024 at 1:59 PM

Respected Sir,

Greetings of the day.

We are from **Alvas Institute of Engineering and Technology**, located at Shobhavana Campus, Mijar.

As a part of our curriculum, **Social Connect and Responsibility(SCR)**, is a subject introduced for the Second year Engineering students. We are planning to visit MRF Plant, located at Padavu, under Nitte Grama Panchayath, to create awareness among the students regarding waste management.

In this regard, total 190 students from the Department of Computer Science and Engineering, accompanied by the faculties will be visiting the plant, in three slots, on 4th January 2024 (Morning Batch No. 1, Afternoon Batch No. 2) and 5th January 2024 (Morning Batch No.3) respectively. Each batch consists of around 60-85 students.

Kindly consider our request and permit us for the visit. We are eagerly waiting to hear from you.

—
Regards

Prashanth Kumar,
Assistant Professor,
Department of Computer Science and Engineering,
Alvas Institute of Engineering and Technology,
Moodubidire, D. K-574225

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VISIT TO NITTE MATERIALS RECOVERY FACILITY (MRF)

Class: 2nd Year CSE

Venue: MRF, Nitte, Udupi Dist.

Introduction: A Industrial visit was organized by Dept. of Computer Science and Engg., AIET, Mijar, Moodbidri, to Materials Recovery Facility (MRF), a recyclable factory under Nitte Gram Panchayat, Karkala Taluk, Udupi Dist Karnataka on 4th & 5th Jan, 2024, to gain a deeper understanding of the waste management process. The purpose of the visit was to observe the procedures and processes in place for handling and processing waste materials. The report emphasizes on the overview of the MRF and its operations. The Nitte MRF Facility is located in Padavu, Nitte village, Karkala Taluk. The facility is designed to manage and dispose of the solid waste generated in the area in an environmentally responsible manner. This report provides an overview of the facility and its processes and procedures for managing solid waste.



Outside and Inside View of MRF Plant at Nitte

Facility Overview:

The Material Recovery Facility (MRF) in Nitte Gram Panchayat, is set up under Swaccha Bharath Mission, by Udupi Zilla Panchayat. MRF has the capacity to segregate 10 tonnes of dry waste daily. MRF aims to ensure scientific management of waste at the source and convert waste into a resource. The solid waste from various Gram Panchayats is shifted to the plant through trucks and then is segregated with the help of a conveyor belt. The Nitte MRF facility covers an area of 10,000 square feet. MRF has 30 staff members including 15 personnel engaged in segregating waste at the conveyor belt and four engaged in maintaining the baling machine. The facility is equipped with state-of-the-art equipment and technology for managing solid waste. The facility is designed to handle a wide range of waste, including household waste, commercial waste.

Waste Collection:

Waste collection is the first step in the waste management process at the Nitte MRF facility. The facility has a fleet of trucks that collect waste from homes, businesses, and other facilities in the area. The waste is then transported to the facility for processing.

Waste Sorting:

Once the waste arrives at the Nitte MRF facility, it is sorted into different categories, such as recyclables and hazardous waste. The sorting process is carried out by a team of trained workers who use hand-held tools and machines to separate the waste. The sorted waste is then sent to the appropriate disposal area.



Waste Sorting Process at MRF Plant

Recycling:

The Nitte MRF facility places a strong emphasis on recycling. The facility has a number of machines and equipment that are used to recycle different materials, including paper, plastic, glass, and metal.



Waste Recycling

Waste Disposal:

The final step in the waste management process at the Nitte MRF facility is waste disposal. Hazardous waste is disposed of in specially designed containers and transported. Non-hazardous waste is sent to landfills, where it is buried and covered with soil. The facility follows strict guidelines and regulations to ensure that waste is disposed of safely and responsibly.



Waste Disposal Process

Conclusion:

In conclusion, the Nitte MRF facility is well-equipped and staffed to handle the solid waste generated in the area. The facility follows a well-structured process for collecting, sorting, recycling, and disposing of waste, and employs the latest technology and equipment to ensure the waste is managed in an environmentally responsible manner. The facility is an important part of the community and plays a crucial role in reducing waste and protecting the environment.

Glimpses of Visit:







Outcome:

The students of 2nd year Computer Science and Engineering participate in this industrial visit. A total of 198 students were divided in three batches. The students were guided from the plant manager and his team. The students had a good interaction with the staff and enquired about the process involved in MRF. The knowledge gained in recycling helped the students to know its effect and also students analyzed the effect of waste that can harm the environment and the creatures living in this earth. The visit was scheduled on 20th and 21st January 2023. Four faculties from Dept. of CSE, namely Mr. Prashanth Kumar, Mrs. Babitha Poojary, Mr. Abhijith Kotian and Mr. Rizwan N Shiekh accompanied the students to the MRF Plant.


Co Ordinator


Head of Dept. of CSE
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