

## Memorandum of Understanding with Muenzer-Bharat

A National Level Seminar on 'Environmental Re-engineering Series 9, Clean & Green Planet', organized by MES' Pillai College of Education and Research, New Panvel was held on 1<sup>st</sup> December 2018. We invited Mr. Sanjay Shrivastaava, MD, Muenzer Bharat Private Ltd. Muenzer who is on a National Used Cooking Oil Mission for India to conduct a session for the participants. The objective of Muenzer Bharat is Swachh Bharat –Swasth Bharat. Mr. Sanjay focused on how Muenzer helps in rising the quality of the oil used resulting in significant positive impact on the National Health level. He explained how National dependency of fossil imports is reduced by producing sustainable biodiesel from used Cooking Oil, thus strengthening National economy. He highlighted the quote by Gandhiji which says "It is health that is real wealth and not pieces of gold and silver" and also "Be the change you want to see in this world." Mr. Sanjay Shrivastaava left the audience asking for more with his interesting and eye opening talk on the theme and he patiently answered to the questions posed by the audience.



## Visit to Muenzer Bharat Pvt. Ltd., Nerul

The students of B.Ed. along with the staff members visited Muenzer Bharat Private Limited, Nerul, Muenzer Bharat Private Limited, is a Subsidiary of Foreign Company and is registered at Registrar of Companies, Mumbai. It contributes to raising life expectancy, improving the environment and delivering energy independence for India. The company converts Used Cooking Oil (UCO) to sustainable biodiesel so that it neither re-enters the food chain nor pollutes the environment.



In this visit the students learnt from the research done by Mr. Sanjay Shrivastaava, MD, Muenzer Bharat Private Ltd. & his teammates:

- In spite of Indians' general healthy lifestyle, life expectancy is comparatively low at just 65 years. Statistically, this correlates with vascular problems caused by the excessive re-use of cooking oil.
- In India, used cooking oil (UCO) is too often dumped into sewers and rivers. This damages aquatic ecosystems and pollutes the drinking water supply of downstream communities. Micro-organisms eventually metabolize the oil, emitting the greenhouse gas carbon dioxide. Part of that contributes to the acidification of the oceans, which in turn causes coral bleaching and weakens the exoskeletons of shellfish.
- Besides this, there is an economic impact too. India is the world's largest importer of crude oil and fossil energy. This contributes to an enormous trade imbalance and weakens the national economy. Collecting and converting UCO into biodiesel not only avoids negative economic impacts on health care, fisheries and tourism, it also directly reduces demand for imported fossil fuels.

The visit helped to increase awareness about the improper use of cooking oil which negatively impacts population health, the environment and the economy. It enabled students to understand the entire process of how Muenzer provides containers, collects UCO, how weighing and documentation of collected UCO takes place and finally the mechanism of how 100% of UCO is converted to sustainable ISCC certified biodiesel. Everyone was inspired to support Muenzer Bharat's motto- 'Swacchh Bharat, Swasth Bharat'!!

### **Installation of Used Cooking Oil (UCO) collection containers**

Muenzer Bharat Pvt. Ltd. loan their customers used cooking oil (UCO) collection containers and bins in various sizes so they can dispose of it in a hygienic and responsible way - an important contribution to a clean and healthy India. PCER-Panvel with its concern for the environment has also placed containers in the canteen in its campus and also promoted it in other Pillai campuses.