

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING

Department of Civil Engineering had organized an expert session on the topic “Waste To Energy” the students in 4th and 6th semester.

Date: 01-03-18

Day : Thursday

No. of students: 50

Venue : Titanium Hall

Expert: Shree Upendra Pandya

Introduction of Expert:

Upendra Pandya Sir has obtained his B.Tech Chemical from M. S. University, Vadodara. He has work experience of more than 35 years. He is Redt Officer of GEDA (Gujarat Energy Development Agency)

Session:

The expert session was based on worldwide interest in renewable energy sources. Biogas production is growing steadily, as more people are setting up biogas plants to produce biogas. Biogas is a renewable, as well as a clean, source of energy. Gas generated through biodigestion is non-polluting; it actually reduces greenhouse emissions (i.e. reduces the greenhouse effect). No combustion takes place in the process, meaning there is zero emission of greenhouse gasses to the atmosphere; therefore, using landfill gas as a form of energy production is actually a great way to combat global warming.

He also shared the that anaerobic digestion of undiluted human simulant excreta in simple unmixed digesters is feasible and yields biogas, which is a valuable commodity. When combined with proper hygienization of its effluent, anaerobic digestion could contribute to effective sanitation in developing countries with limited water availability.

He shared in experiences at BPCL (Bharat Petroleum Corporation Limited), Al Kabeer Slaughter House at Hyderabad, Sai Baba Temple at Shirdi.

He also encouraged students to build capacities in this sector which can also open gates of career in this field.

The entire session was interesting and very informative and all enjoyed to the fullest.



