

Short term course on : ‘Membrane Technology Applied to Environmental Science and Biotechnology’

SIES-IIEM has conducted a short term certificate course on ‘Membrane Technology Applied to Environmental Science and Biotechnology’ during 12 – 15 January 2009 at Indian Institute of Environment Management (IIEM), SIES Education Complex at Nerul Navi Mumbai. Fifteen post graduate students belonging to Environment Science and Biotechnology disciplines enrolled and successfully completed the course. The four day course consisted of twelve lectures delivered over three days and one day field visit where the participants get to see the largest membrane based sewage water treatment plant in the country.

The following topics were covered in the course. The topic covered include an overview of Desalination Processes, an introduction to Membrane Processes, reverse osmosis process principles, choice of membrane materials, membrane preparation techniques, electrically driven membrane systems, ultrafiltration and nanofiltration processes, pretreatment, scaling, fouling and post treatment aspects, membranes in biotechnology, liquid membrane processes effluent treatment by membranes and pervaporation processes.

