

SCMS School of Engineering and Technology

Department of Civil Engineering

REPORT

on

IN-HOUSE TALK - ALL ABOUT SCMS WATER INSTITUTE

Date: 27th Feb 2019

Venue: ACII 305

Dr. Sunny George, Director of the SCMS Water Institute delivered a talk on the vision and mission of SCMS water institute on 27th February 2019. Dr. Sunny George is a limnologist of international repute and has special expertise in standardizing and fine tuning several laboratory level concepts and ideas and converts them into socially relevant projects and programmes. He has more than 20 years of experience in research, consultancy and implementation of development projects and has worked in several European Universities and Institutes. Dr. Sunny George first gave a brief idea about the German collaboration of SCMS water institute. The Baden Württemberg Foundation is funding the exchange of staff and students in both directions between the SCMS School of Engineering and Technology and the University of Applied Sciences Ravensburg-Weingarten. SCMS Water Institute was formed in 2010 and the institute was initially named as Centre for Sustainable Water Technology & Management (CSWTM) which got renamed to SCMS Water Institute (SWI) in 2014. The second phase of the talk was all about the projects which has already been undertaken by the water institute. Which includes, City water audit for Kochi, Modelling of salinity intrusion to ground water in Kochi Municipal Corporation Area, Assessment and Optimization of water distribution network in Kochi, Water Audit for Nagarjuna Residential Apartments at Kochi, Water Audit for Oceanus Blue Mount Apartments at Trivandrum, Estimation of Non Revenue Water for a Distinct Metering Area (DMA) in Kochi city, and Development of Water Quality GIS for Koratty Panchayat in Thrissur District. The current activities under water institute are Development of Water Policy for Kochi City, Development of cost effective and appropriate iron removal technology for Kerala conditions, Optimization of Automated Bio monitoring to Indian Conditions, Fate of Contaminants In The Process Of Desalination With Electrodialysis, Satellite remote sensing of salinity fluctuations in Kochi estuary and Development of a biological anti-foaming agent for application in waste water treatment plants. Roof top rainwater harvesting-theoretical and hands-on training on point recharging of wells to 30 participants of Koratty panchayath, Environmental Impact Assessment-a two day training programme on Environmental Impact Assessments (EIA) in association with Cochin Municipal Corporation, National Workshop on Water Management and Audit-a two day National Workshop on Water Management and Audit in association with SCMS School of Business are some of the other milestones in the successful journey of SCMS water institute. SCMS Water Institute was formed in order to address the water related environmental problems affecting the society. Since water is one of the most important resource limitations of the century, it was the commitment from the SCMS Group of Educational Institutions to establish a research and consultancy centre on water for its effective management and sustainable development he concluded. Audience was Final year Civil Engineering students.