The Institution of Engineers (India)

Dharwad Local Center

(Celebrating Golden Jubilee year 2017)

All India Seminar on Recent Advances in Waste Water Treatment and Disposal

24th and 25th April 2017

REGISTRATION FORM

Name:

Branch:

Institution:

Contact Number:

E-mail address:

Are you presenting the paper: Yes/No

Title of the paper:

Registration Details:

D.D. No.: **Dated:** **Bank:**

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Prof. / Mr. /Mrs. ---------- of ---------- ----------College is permitted to attend the All India Seminar on Recent Advances in waste water treatment and disposal.

Signature and seal of Sponsoring Authority

RESOURCE PERSONS

Industrial experts, persons from various research centers and academic institutions.

ELIGIBILITY

Faculty members from Technical Institutions, Research Scholars, PG & UG students, Professionals working in Industry and Government Organizations are eligible to attend the course.

REGISTRATION DETAILS

The participants are requested to fill in the registration form approved by the concerned authorities and send it to the Seminar Coordinators so as to reach us on or before 19th April 2017, along with the **Demand Draft** drawn in favour of **"The Institution of Engineers (India), Dharwad Local Centre",** payable at Dharwad before 19th April 2017

Accommodation will be provided in the institute hostel/guest house on payment basis subject to the availability. No TA/DA will be paid to the participants.

REGISTRATION FEES

Industrial delegates (Corporate Member, IE (I)): Rs 1000/-
Industrial delegates (Non-Corporate Member, IE (I)): Rs 1500/-
Academic delegate (Corporate Member, IE (I)): Rs 500/-
Academic delegate (Non-Corporate Member, IE (I)): Rs 800/-
Students delegate (IE Member): Rs 100/-

IMPORTANT DATES

Last date for receiving application: 19th April 2017
Intimation of selection (By email only): 20th April 2017

ADDRESS FOR COMMUNICATION

Dr. R. L. Chakrasali & Prof. Shivanand Adaganti
Dr. Lokeshwari. N & Prof. Rashmi.S.H
The Organizing secretaries/ Coordinators
Department of Chemical Engineering
SDM College of Engineering and Technology
Dharwad-580 002
Phone: 0836 2447465
Email: chemicalsdm@gmail.com

The Institution of Engineers (India)

All India Seminar

On

Recent Advances in Waste Water Treatment and Disposal

24th and 25th April 2017

Under the aegis of
Chemical Engineering Division, IEI

Organized by

The Institution of Engineers (India)

Dharwad Local Centre

(Celebrating Golden Jubilee year 2017)

In association with

Competence, Commitment & Teamwork

Department of Chemical Engineering

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dhavalagiri, Dharwad – 580 002

Karnataka

(Autonomous Institution affliated to V.T.U. Belgaum, Karnataka)

Website: sdmcet.ac.in

Venue: DVH Hall, SDM College of Engineering and Technology, Dharwad

ADVISORY COMMITTEE

Mr. Navinchandra B. Vasoya, FIE, President, IEI

Mr. P. P. Agarwal, FIE, Chairman, CHDB, IEI

Dr L. V. Muralikrishna Reddy, FIE, Past President & Member, CHDB, IEI

Dr. Aswini Kumar Baruwa, FIE, Member, CHDB, IEI

Dr. M P Sukumaran Nair, FIE, Member, CHDB, IEI

Prof (Dr) G. Madhu, FIE, Member, CHDB, IEI

Mr. S. A. Puranik, FIE, Member, CHDB, IEI

ORGANIZING COMMITTEE

Chairmen

Sri. S.M.V. Narayana, Chairman, IEI Dharwad Local Chapter.

Dr. S. B. Vanakudre, Principal, SDMCET, Dharwad.

Organizing Secretaries

Dr. R. L. Chakrasali, Hon.Secretary, IEI, Dharwad Local Chapter

Prof. Shivanand Adaganti, Department of Chemical Engineering, SDMCET-Dharwad.

Coordinators

Dr. Lokeshwari. N, Department of Chemical Engineering. SDMCET-Dharwad.

Prof. Rashmi.S.H, Department of Chemical Engineering, SDMCET-Dharwad.

Members:

Dr. Shreekant B. Dept. of Chemical Engineering, SDMCET-Dharwad.

Prof. Kiran Kumar Rathod Dept. of Chemical Engineering, SDMCET-Dharwad.

TECHNICAL COMMITTEE

Chairman

Dr. Keshava Joshi, HOD-Chemical Engineering, SDMCET-Dharwad

Members

Prof. S.S. Inamdar, Dept. of Chemical Engineering, SDMCET-Dharwad

Prof. H.S. Ashoka, Dept. of Chemical Engineering, SDMCET-Dharwad.

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform to share professional interest. IEI has membership strength of more than 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 120 Centres located across the country. The Institution has established R&D centres at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 90000 candidates appear for these exams.

For details, please see: **www.ieindia.org**

SDMCET INSTITUTION PROFILE

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad is under the flagship of SDM Educational Society, Ujire. The guiding spirit and driving force for all the achievements and progress of our institute is the President Dr. D. Veerendra Heggade, Dharmadhikari of Sri Kshethra Dharmasthala, who has the highest concern for Vidyadana, being one of the philosophies of Sri Kshetra. SDMCET is one of the top quality institutions in India. Since its inception in 1979, the institute has established itself as a centre of high repute engaged in imparting quality education through innovative teaching learning process, best practices and providing support to Research and Developmental activities. The institution is recognized by AICTE, affiliated to VTU Belagavi, beneficiary of TEQIP phase II program of World Bank, accredited twice by NBA besides having academic autonomy. The institution offers Under Graduate programs in seven disciplines and eight Post Graduate programs across the departments.

CHEMICAL ENGINEERING DEPARTMENT PROFILE

The Department of Chemical Engineering came into inception in the year 1995 and since then 18 batches of students have moved out graduating successfully and most of them have been well placed in industries and academic institutions of repute all over India and abroad. The Department has excellent infrastructure, well qualified and experienced faculty.

SCOPE AND OBJECTIVES OF NATIONAL SEMINAR

The continuing process of industrialization and urbanization coupled with the natural growth of population, are exerting pressure on fresh water resources. Rapid industrialization is adversely impacting the environment globally. Pollution by inappropriate management of industrial wastewater is one of the major environmental problems in India as well, especially with burgeoning small scale industrial sector in the country. To address the pollution from industries, adoption of cleaner production technologies and waste minimization initiatives are being encouraged.

The diminishing sources of clean water have necessitated the search for unconventional means to supplement available water resources. Conventional waste water treatment technologies improve the quality of waste water discharged into the environment and contain polluted waters from contaminating other available clean water resources. However, these treatment technologies do not make waste water fit for further beneficial uses so that it can be recycled or reused by community closer to their points of generation. Application of innovative and advanced technologies that can further improve quality of waste waters is required to overcome the limitations of conventional technology's to achieve the goal of resources conservation through recycle and reuse. The main objective of this two day seminar is to make participants aware of the basics as well as advanced methods of wastewater treatment and disposal technologies as well as emerging newer concepts in water and wastewater management.

CONTENTS

- Recent Guidelines, Legal Frameworks, standards on Water and Wastewater Treatment and Disposal
- Advanced Wastewater Treatment Technologies, Aerobic and anaerobic treatment technologies like UASB, Hybrid reactors, Membrane Processes, etc.
- Nano and solar technologies in filtration process
- Emerging Concepts in Waste Minimization
- IoT applications with reference to sensory Mechanism for Water levels, Water Quality and Energy management
- Ground Water Contamination Modeling and Treatment Options

A visit is arranged to the Waste water treatment plant