

**One day Seminar of  
Environmental Engineering Division  
Kolhapur Local Center of  
The Institution of Engineers (India)**



*Under the Aegis of*

**Environment Engineering Division Board, IEI**

**Theme**

**“Capacity Building of Teacher & Students in the Disciplines related to Environment”.**



**Date – Saturday, 25<sup>th</sup> July 2015**

**Time:- 09.00 am to 05.00 pm**

**Venue:- Radhabai Shinde Auditorium Hall, CSIBER, Kolhapur**

**Organized By**

**“Institution of Engineers (India)”, Kolhapur Local Centre**

**In Association with “Chhatrapati Shahu Institute of Business Education  
and Research” (CSIBER), Kolhapur**

## Introduction

Studies in Environment are now interdisciplinary & multi-dimensional. Environment is key factor to decide the growth & development. UNEP observed that there is a need of capacity building at all levels for sustainable development & to tackle the current & future issues of Working for a sustainable future. Capacity building and Agenda 21 Paragraph 137 of the World Summit on Sustainable Development (WSSD) Plan of Implementation states that United Nation Environmental Program (UNEP) and other United Nations agencies should “strengthen their contribution to sustainable development programs and the implementation of Agenda 21 at all levels, particularly in the area of promoting capacity building.” The details of Agenda 21 were agreed at the United Nations Conference on Environment and Development (UNCED), held in Rio de Janeiro, Brazil, in 1992. It remains the global blueprint for sustainable development. Chapter 37 of Agenda 21, ‘National mechanisms and international cooperation for capacity building’, notes that:

- ❖ The ability of a country to follow sustainable development paths is determined to a large extent by the capacity of its people and its institutions as well as by its ecological and geographical conditions.
- ❖ Specifically, capacity building encompasses the country’s human, scientific, technological, organizational, institutional and resource capabilities.
- ❖ A fundamental goal of capacity building is to enhance the ability to evaluate and address the crucial questions related to policy choices and modes of implementation among development options, based on understanding of environmental potentials and limits and of needs as perceived by the people of the country concerned. As a result, the need to strengthen national capacities is shared by all countries.
- ❖ The overall objectives of endogenous capacity building in this program area are to develop and improve national and related sub-regional and regional capacities and capabilities for sustainable development.
- ❖ Environmental capacity building also features strongly in Agenda 21 chapters 34, 38, 39 and 40, and throughout the 2002 Johannesburg Plan of Implementation, which builds upon and reaffirms the priorities set out in Agenda 21.

Thus Agenda 21 highlights importance of capacity building. Without necessary capacity, developing countries & countries with economic transition will be unable to identify & solve their own problems development & environment. The sustainable development, social progress & economic growth are linked with capacity building. It is frequently ignored that present apparent socio-economic advances can become disaster when their environmental impact is not taken into the account.

Increase consumption resources & generation of waste are inheritable fruits of development. Indian economy has definitely grown at the cost of environment. Presently Indians are buying packaged drinking water at the awesome rate of 15000/KL. There are many serious issues which have to deal at top priority. A few of them are as below.

- I. Reduction of water consumption from 135 to 90 LPCD
- II. The conventional water treatment plant removes only insoluble solids. However soluble solids contribute by domestic, industrial & agricultural activities is growing up. There is need to develop technologies to remove the soluble solids from water
- III. Zero Solid Discharge is now the known terminology however it is necessary to work for Zero solid discharge from the Industries

We have dedicated universities to develop capacities in Agriculture, Medical & Technology. Besides in the Universities we have the departments for all the disciplines of Art, commerce, science engineering & management. All the disciplines are now interlink with the Environment. No doubt Universities are trying their best to make syllabus which includes many aspects of environment. However the gap between syllabus & ground reality do exist. When students enter in field they have to remain in lag phase to understand the problems and spend few more years to understand the problems & evolve the solution. This lag phase can be eliminated either by giving opportunities to students to interact with the professionals or encouraging the professionals to contribute their experience & knowledge to students. Thus the capacity of students will be built up to take up the challenges of today & then they will be fully capable to handle various issues of today & tomorrow.

The Institute of Engineers (India) (IEI) is the biggest organization of the Engineers in India It has 16 disciplines that cover Aeronautic to Textile Engineering. All members are having rich experience in their field. As on 31<sup>st</sup> march 2015, total no of members of Maharashtra state center is 105431. Considering minimum experience of 10 years of each member, total year experience will be 10, 54,130. This is amazing figure of year of experience. This potential can be definitely use for Capacity Building of Students. Environment is interdisciplinary subject. Therefore capacity building can be begun with environment (Science, Engineering & Technology) by professionals of IEI. This will be carried out by arranging interaction between members of IEI & teaching faculty & Students. Capacity Building of Teachers & students will add new dimension in the curriculum.

### **Sub Theme**

1. Expanding horizons of Environmental Studies and activities
2. Challenges in Environment Science, Engineering & Technology
3. Need of Capacity Building to take up the challenges
4. Water Resources Preservation, protection & augmentation
5. Water & Waste Water Management
6. Solid Waste management
7. Water Vulnerability Assessment & Water Foot Print.
8. Engineering of ancient technology being practiced for Treatment & protection of Environment
9. Green Process, Green Energy, Green Building & Green Plumbing
10. Solid waste generation, collection, segregation, treatment & disposal
11. Capacity Building of Citizen, local authority, various agencies, NGO& young Engineers in Resource supply and waste assimilation chain to face the challenges.

### **Technical sessions**

One Day Seminar will provide the Platform to transfer the knowledge & experience for further development & dissemination. All Corporate members from different disciplines and working for Environment are invited to actively participate in the Technical sessions. Each Interactive session will begin with the Theme speech by the eminent person working in the field. There will be one exclusive session on group discussion on current Environmental issues & need of Capacity Building.

The eminent personalities will be invited to deliver the invited lecture. Few names are as below

- Vice Chancellor , Dean & HOD
- Representative from Maharashtra State Center& Local Centers
- Corporate members with rich experience
- Maharashtra Pollution Control Board

### **ABOUT ORGANIZORS**

#### **The Institution of India, Kolhapur Local center**

Under the Kolhapur Local center Geographical area of Kolhapur District, Sangli District, & Karard Taluka of Satara District is coming. Kolhapur is holy city of Goddess Shree Mahalaxmi & Chatrapati Rajashree Sahu Maharaja, it has rich heritage on historical, social, educational, political, industrial & cultural fronts, gives an insight into the growth of the region and indirectly into that of Kolhapur Local Centre. The center has the strength of 650 Corporate & 2500 Non-corporate members. Kolhapur Center remains always in forefront for conducting the technical activities for all the disciplines of Engineering. A one day seminar is organized by Kolhapur local centre in Association with CSIBER on "**Capacity Building of Teacher & Students in the Disciplines related to Environment.**"

The seminar is exclusively organized for Teachers, Students & professional who are aspiring to know new dimension of the Environmental Science & Engineering. This is golden opportunity to develop the capacity in the new & upcoming fields of Environment Science & Engineering. Registration along with registration fee as given in Table below is must for the participation. Registration is compulsory & first come basis preference will be given.

#### **Chhatrapati Shahu Institute of Business Education and Research" (CSIBER), Kolhapur**

The Institute has built up a formidable reputation and in recognition of the UGC, AICTE, the Government of Maharashtra and the Shivaji University have conferred the status of an "Autonomous Institute" upon 'SIBER' since July, 1995. The degrees are awarded by the Shivaji University, Kolhapur. Institute has received CPE (College with Potential for Excellence) status. The National Assessment And Accreditation Council (NAAC) has assessed the Institute as a whole hand has awarded it 'A' Grade.

## Organizing Committee

1. Dr. Girish Kulkarni  
Convener,  
Chairman Kolhapur Local Center  
Ph- 9823180139
2. Er. Indrajit Kadam  
Organizing Secretary,  
Hon. Secretary, Kolhapur Local center  
Ph- 09420584409, email - [indkad@rediffmail.com](mailto:indkad@rediffmail.com)
3. Prof. R. V. Saraf  
Convener Environment Engineering Division  
Maharashtra State Center  
Ph- 9822186763
4. Prof. Dr. A. R.Kulkarni  
Department of Environment Management  
Chhatrapati Shahu Institute of Business  
Education and Research (CSIBER). Kolhapur  
Ph- 7588470146

## Registration Details

Delegate category	Total no of Seats allotted	Fees per delegate
IEI Kolhapur center committee member	17	Nil
SIBER Teaching & students members	50	Nil
KIT Student chapter Environment Engineering	10	50
Other colleges Teachers & student	40	50
Other Delegates	35	100

## One Day SEMINAR

ON

“Capacity Building of Teacher & Students in the Disciplines Related to Environment”.

**Day & Date: Saturday, 25/07/2015, Time: - 09.00 am to 05.00 pm**

(High Tea, Diner will be arranged at Seminar Venue)

**Venue: Radhabai Shinde Auditorium Hall, CSIBER, (Ph-02312535706)**

Shivaji University Road, Kolhapur

### REGISTRATION FORM

The Hon. Secretary

The Institution of Engineers (India),

Kolhapur Local Centre, C/o Executive Engineer, Ground Floor, Minor Irrigation Division, Sinchan Bhawan, Tarabai Park, Kolhapur 416003.

ieikopl@gmail.com, kolhapurc@ieindia.org, website: - [www.ieikolhapur.com](http://www.ieikolhapur.com), Phone No. 09422625485

Name: - \_\_\_\_\_

Designation: - \_\_\_\_\_

Address for communication: - \_\_\_\_\_

Ph No. (Mob.): - \_\_\_\_\_ (O):- \_\_\_\_\_

Email:- \_\_\_\_\_

If IEI Kolhapur local centre member, then Membership no:- \_\_\_\_\_

Engineering Branch : \_\_\_\_\_

Working Organisation/Industries/Institute:- \_\_\_\_\_

If Student then College Name:- \_\_\_\_\_

Any other information would like to share: - \_\_\_\_\_

Date: -

Signature of Participant

- Duly filled in form along with the registration fee in cash or check drawn in favor of “The Institution of Engineers (I), Kolhapur local center shall be submitted at The Institution of Engineers (India), Kolhapur Local Centre, C/o Executive Engineer, Ground Floor, Minor Irrigation Division, Sinchan Bhawan, Tarabai Park, Kolhapur – 416003 or Environment Engineering. Division CSIBER
- You can fill this form copy & send it on our email address & deposit the registration fees at our counter at the time of seminar.
- For further detail contact Office assistant : - Mr. Sambhaji Gurav – 09604639070, 08856926257, IEI Office 9422625485

**The Institution of Engineers (India), Kolhapur local center**  
**In association with**

**Chhatrapati Shahu Institute of Business Education and Research (CSIBER), Kolhapur**



**One Day Seminar on "Capacity building for Teachers & Students in the Disciplines related to Environment",**

**PROPOSED AGENDA**

Date: - 25<sup>th</sup> July, 2015

Venue: - Radhabai Shinde Auditorium Hall, CSIBER, Kolhapur

Time	Program	Topic	Speaker
9:00 to 09:30AM	Registration With High Tea		
9.30 to 10:00 AM	Inauguration		IEI Kolhapur Center , SIBER, DOT (SUK)
<b>Interactive Session 1</b>			
10.00 to 11:15 AM	Theme Speech	Theme Speech Need of Capacity Building, Role of IEI in Capacity building	R. V. Saraf Convener Environmental Engineering Division, Maharashtra State Center The Institution of Engineers India.
11.15 to 12:00 AM	Resource Management	New Avenue in Legal Aspect of Environment	Dr. S. M. Patil, Past Secretary, IEI MSC
12.00 to 12:45 PM	Water & Waste Water	Advance Technology – Changing Scenario	Dr. Vishwas Kale Clean Consultant, Mumbai
12.45 to 01:00 PM	Interactive Session		
1:00 to 01:45 PM	Lunch Break		
<b>Interactive Session 2</b>			
1.45 PM 2.30 PM	Air, Noise & Solid Waste Management	Role of Environmental Engineers & Scientists in Public Infra Structure	Er. Vijay Ghogare – Chairman Pune Local Centre, Abhay Kimmatkar
2.30 to 03.15 pm	Green Environment	Green, Process, Green Energy & Green Building etc.	Dr. Suresh Ranade, Dnyadeep Foundation
3.15 PM 04:00 PM	New Avenues	Application need of Environmental Science & Engineering in Maharashtra Pollution Control Board	Narsinh Shivangi, Regional Officer Maharashtra Pollution Control Board, Kolhapur
4.00. to 04:10 PM	Interactive Session		
<b>Interactive Session 3</b>			
4:10 To 04:40 PM	Group Discussion "My perspective for Environment"		Prof. R. V. Saraf, Dr. Girish Kulkarni, Dr. A. R. Kulkarni, Er. D.S.Mali
04.40 To 05:00 PM	Presentation & Valedictory Function		IEI Kolhapur Center, DOT (SUK) & CSIBER
05:00 PM	Rashtra geet		
05:05 PM	High Tea		