



Seminar  
On  
**“Water Resources  
and  
Environmental Management”**

*23<sup>rd</sup> September 2017*



**C.V.Raman College of Engineering**  
*Quality Education for the New Millennium...*

## **ABOUT CVRCE:**

C. V. Raman College of Engineering set up to promote the highest standards of technical education in the state. The institution aims at moulding a new breed of technocrats as competent professionals and excellent human beings to help raising the quality of life.

The Institute is committed to impart “Quality Education & Training” leading to various professional degrees and aims to be a global Institution through continual improvement.

### **About The Department:**

The department came into being in the year of 2009. Five batches have graduated so far and have successfully placed themselves in the outside world befitting the expectations of their alma mater. The department has been with a good blend of experience in academics and industry and the young, promising talents to form a formidable teaching strength to inspire and guide the students in the program. The department is continuously thriving for value addition to the program by way of opening center of excellence in plumbing, imparting training in Revit, Auto CAD, STAAD Pro, GIS & RS, green building etc.

### **About The Seminar:**

The seminar is organised for the target audience of academicians, professionals, and technical students for enriching the knowledge base. The development and associated environmental issues go hand-in-hand for the nation to improve the quality of life of its citizens in accelerated mode.

In the present day scenario the negative environmental impact require not only be addressed, but to be taken as challenge to make the environment richer than before.

### **Objective of The seminar:**

- To explore utilization of modern tools and techniques to generate the data base in an accelerated way to shape the water resources projects including the ambitious river inter-linking proposal of the Government of India.
- To keep abreast with the latest technology in finding solutions to the environmental issues consequent to the rapid infrastructure development.

### **Seminar Themes:**

- The potential related to water resources requires speedy harnessing for all round prosperity of the country.
- The environment need not be a barrier for developmental activities if the planning of the project and environmental management is taken up in an integrated way so that the status of environment will improve and not deteriorate.

## **Abstract of Seminar:**

Speaker- Dr. Kirti Avishek

“Water Resource Assessment and Planning: Integrating Water Accounting with GIS”- Integration of Water accounting outputs, meteorological data, soil drainage data, and geology has been done in GIS platform to understand the variations in water characteristics of the region. The paper discusses about the water stress zones in Jharkhand based on which planning processes need to be addressed.

Speaker- Dr. (Mrs) Sanat Nalini Sahoo

“Applications of Remote Sensing Technology in Water Resources Engineering”- some of the important applications of RS in different sectors of Water Resources Engineering -watershed studies, hydrological states and fluxes simulation, hydrological modelling etc. are extensively dealt.

Speaker- Er. Sanjaya Kumar Patnaik

“Managing environmental impact of industries and mines-challenges and emergin technologies”- Proper planning through EIA has major role in deciding the location of industries as well as in deciding the environmental mitigation measures to be adopted. Waste management measures and the stringent environmental legislation help to develop environmental anagement systems to ensure continual improvement.

### **Resource Persons:**



**Dr. Kirti Abhishek**  
(Lead Auditor ISO14000)  
Birla institute of technology, Mesra

**Dr. (Mrs.) Sanat Nalini Sahoo**  
Department of Civil Engineering,  
NIT Rourkela  
Member of AHI



**Er. S.K.Patnaik**  
AGM(Environment)  
NALCO,Damanjodi

## **SEMINAR REGISTRATION FORM on**

### **“Water resources and Environmental Management”**

- Name :
- Designation/semester :
- Name of the Employer / Institute:
- Department /Branch:
- E-mail Id :
- Mobile No. :

#### ***For delegates only***

- Academic Qualifications :
- Specialization(if any) :
- Experience/

Signature of Applicant

Date:

Counter signature of Head of Institute /employer

Date

Note : Registration may be done as per the above format through E-mail: [seminarcivil2016@gmail.com](mailto:seminarcivil2016@gmail.com)

### **Committee Members:**

Patron –

Er. S. K. Rout

Chairman, C. V. Raman Group of Institutions, Bhubaneswar, India

Guide &Mentor-

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PROGRAM SCHEDULE FOR SEMINAR ON  
 "WATER RESOURCES AND ENVIRONMENTAL MANAGEMENT" 2017  
 DATE: 23/09/2017

	TIME	PROGRAM
SESSION 1	9:45 AM TO 10:45 AM	OPENING OF THE PROGRAM
	10:45 AM TO 11:00AM	TEA BREAK
	11:00 AM TO 12:45 PM	PRESENTATION BY S.K.PATNAIK, NALCO ON <b>"Managing environmental impact of industries and mines-challenges and emerging technologies"</b>
	12:45 PM TO 1 :45 PM	LUNCH BREAK
SESSION 2	1:45 PM TO 2:30 PM (SESSION 2)	PRESENTATION BY DR.SANAT NALINI SAHOO ,NIT- ROURKELA ON <b>"Applications of Remote Sensing      Technology in Water Resources Engineering"</b>
	2:30 PM TO 3:45 PM	PRESENTATION BY DR.KRITI AVISHEK,BIT-MESRA ON <b>"Water Resource Assessment and Planning:      Integrating Water Accounting with GIS"</b>
	03:45 PM TO 4:00 PM	TEA BREAK
	4:00 PM TO 4:30 PM	VALEDICTORY FUNCTION