

Environment & Energy Efficiency Research Wing

Organizes

*3 Day Course on Meteorology,
Air Quality Modelling and
Prediction*



GERMI

GUJARAT ENERGY RESEARCH
AND MANAGEMENT INSTITUTE

*21 Sep 2015
To
23 Sep 2015*

About Gujarat Energy Research and Management Institute (GERMI)

GERMI, an ISO 9001:2008 certified institute is a centre of excellence in industry learning, research & development and education. It has been established to develop human resource assets to cater to the renewable energy, petroleum and allied energy sectors, improve knowledge base of policy makers and technologists and provide a competitive edge to leaders to compete in the global arena. GERMI is a Scientific and Industrial Research Organization recognized by the Department of Scientific and Industrial Research (DSIR), Govt. of India. GERMI provides solar-relate advisory, project management consultancy and third party inspection to both government and private sectors. It also offers various Technical, Vocational & Professional training programs in energy sector.

- **Director of the Institute : Prof. T. Harinarayana**

About Environment & Energy Efficiency Research Wing

The Environment and Energy Efficiency Research Wing (E & EERW) of GERMI conducts fundamental and applied research on issues of National and International importance related to the science, technology and management pertaining to environmental pollution, energy efficiency, bio-energy and optimization of conversions of Waste - to - Energy. This Research Wing primarily focuses on Research & Services to help solve the practical problems faced by the industries & enables the integration of innovative need-based technologies and other holistic interventions. The research wing has established the Environmental Software Lab with 13 softwares for authentic prediction of Environmental Impacts.

- **Principal Research Scientist : Prof. Dr. N. S. Varandani**
(Former Prof. of Environmental engg., L. D. College of Engineering, Ahmedabad)

About the Program

Environment & Energy Efficiency Research Wing offers 3 days training course starting from 21st September, 2015 on Air Quality Modelling and Prediction. The program includes exposure to Meteorology, Air Quality monitoring, Air Quality models and live demonstration of ISCST and AERMOD with case studies.

Key Takeaways

- Classroom & Practical session encompassing the fundamentals of Air quality Monitoring
- In depth knowledge of meteorology, air quality models & air quality monitoring
- Hands on experience on ISCST & AERMOD
- Understand the basics of the ISCST & AERMOD

Who should attend?

GERMI is offering training course for professionals working in the field of EIA and Environmental Monitoring.

Fees

Rs. 9,000/- + Service tax (14%) (Includes Course material, Refreshments and Lunch)

Important Date

Last date of Registration: 15th September, 2015

Contact

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SCHEDULE**3 - Day Course on Meteorology, Air Quality Modelling and Prediction**

<i>Time</i>	<i>21/09/2015</i>	<i>22/09/2015</i>	<i>23/09/2015</i>
0900 - 0930	Registration		
0930 - 1000	Inauguration and Introduction to course		
1000 - 1100	Environmental regulations and NABET requirements	AQ models: Source to Receptor models	Meteorological data- Analysis and use in Aermod modeling
1100 - 1200	Sources and types of air pollutants and Air Attributes	AQ models: Source to receptor-point source, area source, line source models	Aermod- characteristics, advantages and data requirement
1200 - 1215 Tea/Snacks			
1215 - 1315	Air Quality Models and simulation, and impact assessment: An overview	AQ models: Source to receptor-point source, area source, line source models	Aermod Live Demonstration
1315 - 1400 Lunch			
1400 - 1500	Meteorology Basic concepts	Selection of AAQ monitoring locations, designing of AAQ monitoring network	Aermod Live Demonstration
1500 - 1600	Meteorology- Primary data collection	Industrial Source Complex Model - characteristics and limitations-	Preparation of isopleths and plotting of predicted GLC of pollutants
1600 - 1615 Tea/Snacks			
1615 - 1715	AAQ monitoring - field work	Industrial Source Complex Model - live demonstration	Assignment / Evaluation
1715 - 1815	AAQ monitoring - field work	Industrial Source Complex Model - live demonstration	Feedback from participants