



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
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Sangivalasa 531 162, Bheemunipatnam Mandal, Visakhapatnam Dist., A.P.

DEPARTMENT OF CHEMICAL ENGINEERING

Date: 15-11-2016

CIRCULAR

This is to inform all students and faculty members that the Department of Chemical Engineering is organizing a two day National Workshop on **"ENVIRONMENTAL CHALLENGES AND STRATEGIES"** during 09-10, December, 2016. Speakers from industries and academia are delivering lectures in this workshop. All are hereby requested to participate actively in this workshop and make it a grand success.

Thanking you,

Yours sincerely,

(Prof. S. SUBBA RAO)

**HEAD,
DEPARTMENT OF CHEMICAL
ENGINEERING**

REGISTRATION FORM

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Designation :
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NATIONAL WORKSHOP ON ENVIRONMENTAL CHALLENGES AND STRATEGIES

9 -10, December, 2016

Organized by



Department of Chemical Engineering

Anil Neerukonda Institute of Technology
and Sciences (A)

Sangivalasa - 531162
Visakhapatnam Dist, A.P.

ABOUT THE COLLEGE

Anil Neerukonda Institute of Technology and Sciences, (ANITS), Visakhapatnam was established in 2001 by Anil Neerukonda Educational Society (ANES). ANES works to promote technical, and human values through various educational institutions, without any motive for profit. ANITS is located in Sangivalasa village of Bheemunipatnam mandal, about 30 km from the beautiful city of Visakhapatnam. The college is accredited by NAAC, NBA, UGC and attained autonomous status in the academic year 2015-16. The college was awarded "Center of Excellence" by Infosys Technologies in the year 2011 and "National Employability" in 2014 by Aspiring Minds, New Delhi. The college offers undergraduate and post graduate programs in various disciplines of engineering such as CSE, IT, EEE, ECE, Mechanical, Civil and Chemical Engineering. ANITS has strived to train young men and women into confident and competent engineers. With a unique team of governing body, inspiring management, and proficient educators, ANITS continues to march forward with greater zeal and dedication to become a world class educational institute.

ABOUT THE DEPARTMENT

The Department of Chemical Engineering was started in the year 2012 and has very efficient team of faculty. The faculty participate actively in state of the art research and continuously thrive to update knowledge and skills. The same is imparted to the students in class rooms by conducting workshops, seminars and conferences to craft the next generation of engineers. The department is well equipped with Chemical and interdisciplinary laboratories.

Modern teaching methodologies are constantly implemented to foster an improved class room environment. Team work among students is encouraged to inculcate positive work habits and passion to work wisely, creatively and effectively.

ABOUT THE WORKSHOP

Due to the rapid growth of human population and urbanization, there is an increase in food production, usage of petroleum products, pharmaceuticals, cosmetics, drinking water, transport vehicles and construction of houses. This leads to greater amounts of pollution causing destructive effect on the human, animal and plant life. Though 70 to 80% needs of the mankind are fulfilled by chemical and its allied industries, the pollutants released by these industries have to be minimized because the pollutants affect the health of mankind and destroy the biodiversity. Though many emerging technologies and constitutional amendments were being made on the controlling aspect of pollution but still they are limited. The recent outcome of the United Nations Climate Conference, 2015 held at Paris was aimed to limit the global warming to less than 2°C compared to preindustrial levels. Therefore this workshop aims to discuss the challenges and strategies of pollution control in chemical and its related industries to mitigate pollutants thereby maintaining a pollution free environment. Topics like reduction of fluoride content in water, design of sewage treatment plants, strategies to reduce particulate matter from various industries, challenges in photocatalytic degradation of pathogens in water will be addressed by industrial experts and scientists from renowned institutions.

RESOURCE PERSONS

PROF. K. KESAVA RAO

Dept. of Chemical Engg., IISc Bangalore

PROF. S. RAMAKRISHNA RAO

Vice Chancellor., Krishna University

MR. A. SATYANARAYANA

Director, M/s Sai Enviro, Hyderabad

R. S. RAMAPPA

Asst. Engineer, TPCB, Hyderabad

PROF. K. V. RAMESH

Dept. of Chemical Engg., Andhra University

SRI K.N.M. PRASAD

Head, E&P-Oil & Gas, Reliance Industries Ltd.

Registration Fee

Delegates from Industry Rs. 1000

Faculty Rs. 800

Research Scholars & P.G. Students Rs. 600

U.G Students Rs. 400

Participants are requested to fill the registration form and mail it to

shivanaresh.che@anits.edu.in

and can pay the fee on or before

December, 2016.

ADDRESS FOR CORRESPONDENCE

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Associate Professor

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DEPARTMENT OF CHEMICAL ENGINEERING

Press note on national workshop on “**Environmental Challenges and Strategies**”

The Department of Chemical Engineering ANITS organized a two day National workshop on “**Environmental Challenges and Strategies**”. The second day of the workshop started with guest lecture by S. Ramappa, Asst. Environmental Engineer, TSPCB. He addressed various types of pollutions and the methods adopted to control the pollution by industries. He also pointed out the role of chemical engineers to mitigate the pollution and importance of chemical engineer.

Mr. K.L.N.Phanidranath, Lead-environment at KGD6 Oil and Gas Project, RIL Kakinada has delivered a talk on environmental challenges and strategies in industries. He mentioned the techniques use to reuse the waste disposal from the industry. He also focussed on the effluent treatments from industry.

Dr. M. Siva Naresh Convener of the workshop demonstrated on “Photocatalytic Degradation of *E.coli* Using TiO_2 as Catalyst” .

Prof. T.V. Hanumantha Rao Principal ANITS started the proceedings of valedictory of workshop by addressing the Chief guest **Dr. S. Ramakrishna Rao, Vice Chancellor, Krishna University, Machilipatnam**. **Prof Subba Rao HOD**, Department of chemical engineering ANITS and **Dr. M. Siva Naresh Convener** of the workshop are addressed the ceremony.

Dr. S. Ramakrishna Rao, chief guest delivered a seminar on “Environmental challenges and strategies for future”. He emphasized on the climate changes and environmental pollution in future. He addressed young students to implement the strategies to protect the society. He suggested waste to wealth program to convert to waste disposal to valuable products.

The department of chemical engineering, ANITS facilitated the chief guest **Dr. S. Ramakrishna Rao**.

Prof. S. Subba Rao
HOD, Chemical Engineering

**A National WORKSHOP on
ENVIRONMENTAL CHALLENGES AND STRATEGIES
9-10, DECEMBER, 2016
IV/IV B. Tech. (2016-17)**

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**A National WORKSHOP on
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9-10, DECEMBER, 2016
III/IV B. Tech. (2016-17)**

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**A National WORKSHOP on
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9-10, DECEMBER, 2016

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M. Manoj

Workshop on Environmental Challenges and Strategies

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Environmental challenges and strategies- Inaugural, Dt: 9th December,2016



Environmental challenges and strategies- Lecture, Dt: 9th December, 2016



Environmental challenges and strategies- Doubts clarification, Dt: 10th December, 2016



Environmental challenges and strategies- Valedictory, Dt: 10th December, 2016