



AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
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Report -1

IEI Student Chapter, Department of Chemical Engineering AISSMS COE, PUNE-01 is organizing an International webinar on "Energy Conservation In Oil and Gas Industries" by Dr. Santosh Madhav Walke ,National University of Science and Technology. Muscat, Oman
Friday, April 22. 10.30 am IST




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IEI Student Chapter "Chemical Engineering"
Department of Chemical Engineering, AISSMS COE Pune
ORGANIZING
INTERNATIONAL WEBINAR
on
Energy Conservation in Oil and Gas Industries

Date: 22/04/2022
Time: 10.30am –Online

Speaker:
DR. SANTOSH MADHAV WALKER
Faculty- National University of Science
and Technology, Muscat, Oman.



Student coordinator:
Abhishek Kumbharde

IEI Student Chapter
Coordinator:
Dr A S Jadhav

HOD
Dr. P N Dange

Principal
Dr. D S Bormane



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Report -2

The IEI Student Chapter, AISSMS College of Engineering Pune is organizing an Expert Lecture on “ENERGY MANAGEMENT AND ENERGY EFFICIENCY IN INDUSTRIAL UTILITIES”
Resource Person: Mr. Kailash Tarde , Individual and Associate Consultant - Dynamic Energy Engineers, Pune ⁴ Date:- 08th April 2022

The poster features the AISSMS College of Engineering logo at the top center, flanked by two smaller logos. Below the main logo, it states 'Approved by AICTE, Year-04th, Recognized by Govt. of Maharashtra, Affiliated to Dr. Babasaheb Ambedkar Marathwada University and recognized by UGC and NABU (as UGC, No. 102) P.M. Group - 1984 (1985) Accredited by NAAC with 'A+' Grade'. The main text reads: 'IEI Student Chapter "Chemical Engineering" Department of Chemical Engineering, AISSMS COE Pune ORGANIZING Expert Lecture on ENERGY MANAGEMENT AND ENERGY EFFICIENCY IN INDUSTRIAL UTILITIES'. Event details include: Date: 08/04/2022, Time: 11:30 am, Venue: CTFP Hall. The speaker is Mr. Kailash Tarde, Individual and Associate Consultant - Dynamic Energy Engineers, Pune. A portrait of Mr. Tarde is shown on the right. At the bottom, the roles of the organizers are listed: IEI Student Chapter "Chemical Engineering" Coordinator: Dr. A. S. Jadhav; HOD: Dr. P. N. Dange; and Principal: Dr. D. S. Bormane.


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IEI Student Chapter "Chemical Engineering"
Department of Chemical Engineering, AISSMS COE Pune

ORGANIZING
Expert Lecture
on
ENERGY MANAGEMENT AND ENERGY EFFICIENCY IN INDUSTRIAL UTILITIES

Date: 08/04/2022
Time: 11:30 am
Venue: CTFP Hall

Speaker:
Mr. Kailash Tarde
Individual and Associate Consultant -
Dynamic Energy Engineers, Pune



IEI Student Chapter "Chemical Engineering" Coordinator:
Dr. A. S. Jadhav

HOD
Dr. P. N. Dange

Principal
Dr. D. S. Bormane



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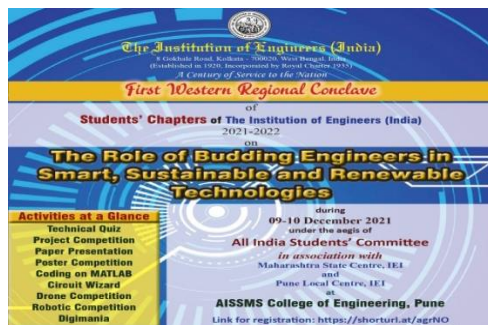
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Report -3

IEI Student Chapter, Department of Chemical Engineering AISSMS COE, PUNE-01 conducted First Regional Conclave of Students' Chapter of The Institution of Engineers (India) for Western Region for the year 2021-22 , 09-10 December 2021. "Coding of MATLAB" event conducted by Department of Chemical Engineering. Total students Participated in event is 95. Prof P M Warke acted as Judge of the event. Students participated all over world . Participation of Student from National university of Perú glorified this event. We remain thankful to our HOD Dr PN Dange for his constant support and helping us to prepare the MATLAB code also thanks to Dr S B Ghugare and Prof H L Kamble for preparing MATLAB Quiz and at last thanks to Students Coordinators for their relentless support for making this event successful





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Report -4

IEI Student's Chapter conducted guest lecture on the topic "Application of Chemical Engineering for Process Development" was organized online on the Microsoft Teams Platform for the students of TE Chemical. The expert Mr. Vipul Patil discussed about how a chemical engineer should approach for process development. He also discussed about application of various subjects and software in process development. Interaction with students helped them to relate the subjects they have in their curriculum with the knowledge required for process development.

Coordinator: Prof. H L Kamble

No. of students Present: 56

Resource Person: Mr. Vipul Patil

Designation: Project Scientist

Company: National Chemical Laboratory

Glimpses of the event:

**Council of Scientific and Industrial Research
National Chemical Laboratory**

Application of Chemical engineering for process development

By
Vipul S Patil

From 2015 to 2022

Responsibility Handled
PA-II, PA-III, PS-I, PS-II, PS-III, PRA

Reaction equilibrium conversion and Adiabatic temperature rise calculation

Reaction	Temperature	Pressure	Equilibrium Conversion (%)
Methanol to DME	270	10	87.3
Methanol Reforming	270	10	95.2
Methanol to Formaldehyde	270	10	2.3
Methanol Cracking	270	10	96.3
DME to Formaldehyde	270	10	79.9

PSA Oxygen Production :- A pure Chemical engineering work

PSA
Air → Compressor → Filter → Tandem adsorbers → Oxygen Product, Waste (N₂, O₂)

TSA
Air → Filter → Tandem adsorbers → Oxygen Product, Waste (N₂, O₂)
Cooling, Heating

VPSA
Air → Filter → Tandem adsorbers → Oxygen Product, Waste (N₂, O₂), Vacuum Blower

Presentation in Progress