

## BRIEF REPORT ON SYMPOSIUM

Dear All

We are pleased to note that the Symposium on **Symposium on Ideation, Innovation, Development, and Technology Transfer of Industrially Scalable Processes** organized by the Department of Chemical Engineering, National Institute of Technology Andhra Pradesh, Tadepalligudem in Association with the Institution's Innovation Council (IIC) and Indian Institute of Chemical Engineers Amaravati Regional Centre (IICHe-ARC) was successfully organized on 27.01.2023.

**Symposium on "Ideation, Innovation, Development, and Technology Transfer of Industrially Scalable Processes"**

**Events:**  
Expert Talks & Invited Lectures  
National Energy Conservation Day Celebrations

**Date:** 27-01-2023, Time: 9:00 AM to 5:30 PM  
**Venue:** SRK Academic Complex, NIT Andhra Pradesh

**Registration Link**  
[https://docs.google.com/forms/d/e/1FAIpQLSd58\\_Ae0g4prwHK2Fe5Cd-ywUZxI\\_jXgS6mUe4fTKTj0-0a3w/viewform](https://docs.google.com/forms/d/e/1FAIpQLSd58_Ae0g4prwHK2Fe5Cd-ywUZxI_jXgS6mUe4fTKTj0-0a3w/viewform)

**Speakers**

- Prof. Pramod M. Padole  
Director (In-Charge)  
NIT Andhra Pradesh
- Dr. Dinesh P. Sankar Reddy  
Registrar (In-charge)
- Prof. G. Ravi Kiran Sastry  
Patron, IIC
- Dr. Sudarshna Deepa  
President, IIC
- Prof. Thamida Sunil Kumar  
IIT Tirupati
- Mr. S. Chiranjeevulu  
MRPL, Mangalore
- Prof. G. Arthanareeswaran  
NIT Tiruchirappalli
- Prof. M. Venkateswara Rao  
RVR & JC CE(A), Guntur

**Coordinators**

- Dr. Vinoth Kumar Raja  
Assist. Prof., Chemical Engg.
- Dr. Dinesh P. Sankar Reddy  
Asso. Prof., Chemical Engg.
- Dr. Gourhari Chakraborty  
Member, IIC  
Department of Chemical Engineering  
NIT Andhra Pradesh  
Email: [fdp.chem@nitandhra.ac.in](mailto:fdp.chem@nitandhra.ac.in)

Organised by Department of Chemical Engineering, NIT Andhra Pradesh  
in Association with Institution's Innovation Council (IIC), and  
Indian Institute of Chemical Engineers - Amaravati Regional Centre (IICHe-ARC)

Ms. Ganga Bhavani, a final year Chemical Engineering student from NIT AP, Tadepalligudem, invited the guests to the dais and requested Dr. Vinoth Kumar Raja, Head of the Department of Chemical Engineering, to preside over the function and to conduct the proceedings.



The event started with a prayer by Mr. Adithya Ashok, Ms. Nidiganti Gayathri Reddy, and Ms. Seerreddy Gnana Sai Sri students of Chemical Engineering from NIT AP, Tadepalligudem.



Presiding over the inaugural function, Dr. Vinoth Kumar Raja, warmly welcomed the dignitaries & participants for the Symposium. He said the NIT AP & IChE ARC have been active in conducting conferences, seminars; National student's meets relevant to the current needs round the year. The Chief Guest Prof. Dinesh Shankara Reddy in-charge Registrar of NIT AP inaugurated the event along with other guest by lighting the lamp.



Prof. G. Arthanareeswaran, NIT Tiruchirappalli, Dr. T. SunilKumar, IIT Tirupathi & Mr. S. Chiranjeevulu Mangalore Refinery and Petrochemicals Limited (R) graced the occasion as a Guests of Honour. Prof. M. Venkateswara Rao, Dean Examinations, RVR& JC College of Engineering (A) and Honorary Secretary, IICHe Amaravati Regional Center (IICHe ARC) graced the inaugural function as Distinguished Guest. The IICHe Students Chapter and Chemical Engineering Association at NIT Andhra Pradesh's 2<sup>nd</sup> edition of magazine "ABSORB" was released by all dignitaries.



During the tea break, the Poster Presentation session was held.



After tea break, the following speakers delivered the expert talks and invited lectures.

S.No.	Time	Names of the Speaker	Topic
1	11.00 am to 12.00 Noon	Dr. Thamida Sunil Kumar IIT, Tirupati	Prototype development and scaling up of technology readiness level
2	12.00 Noon to 01.00 pm	Dr.G. Arthanareeswaran NIT Tiruchirappalli	Translational research and technology commercialization through a academia-industry collaborations



After Lunch break

3	02.30 to 04.00 pm	Dr. M. Venkateswara Rao Honorary Regional Secretary IChE, Amaravati Regional Centre	Chemical Engineering-present scenario and future opportunities
4	04.00 to 05.00 pm	Mr. S. Chiranjeevulu Mangalore Refinery and Petrochemicals Limited (R)	Crude oil processing and manufacturing of finished petroleum products as per the latest specifications



In addition to the above expert talks and invited lectures, the student activities like poster presentation and photography competitions were also organized. Following are the winner in the student activities.

#### Poster presentation

S.No.	Name	Category	Title
1	K.V.V. Satyannarayana	Ph.D.	Clarification of Citrus Fruit Juices using Tubular Ceramic Membranes
2	Sahana.S.Sringari	M.Tech.	Poster Title: Treatment of Wastewaters Generated by Food Industries using Indian Based Clay
3	Padmashree R	M.Tech.	Enzyme Immobilization on Robust Ceramic Membrane
4	Tarsem Singh	M.Tech.	Computational Analysis on Performance Improvement of Thermal Energy Storage Systems using Phase Change Materials
5	Meghali Bhattacharjee	II B.Tech.	Decarbonisation
6	Abhiram Kalluri	III B.Tech.	Exploring Oxygen Enrichment in IC Engines
7	Bandi Girish	IV B.Tech.	A statistical experiment design approach for optimizing biodegradation of Hydro Carbon in Natural Soil



#### Photography competitions

S.No.	Name of the student	Year
1	Mankala Karthik	III B.Tech.
2	Amit Kumar	IV B.Tech.
3	Siddant Patel	II B.Tech.

The activity came to an end by the Valedictory function at 05.00 p.m. Prof. G. Arthanareeswaran, NIT Tiruchirappalli was the Chief Guest. Mr. S. Chiranjeevulu Mangalore Refinery and Petrochemicals Limited

(R) and Prof. M.Venkateswara Rao, Dean Examinations, RVR& JC College of Engineering (A) and Honorary Secretary, IICHe Amaravati Regional Center (IICHe ARC) graced the Valedictory function as Guests of Honour. Presiding over the Valedictory function, Prof. Dinesh Shankara Reddy in-charge Registrar of NIT AP narrated the facilities available in NIT AP. Dr. Vinoth Kumar Raja Head, Department of Chemical Engineering NIT AP summed up the webinar proceedings highlighting the relevance of the webinar and the important points made by the speakers and proposed the vote of thanks.



About 200 people including students, faculty and working professionals were participated in the event. The huge response from the participants across many regions of the country is the testimony how curious and enthusiastic the participants are to listen to the expert lectures.



As per the feedback from the participants, all the speakers delivered highly informative, inspiring and thought-provoking lectures. They suggested the organizers to conduct many more symposiums/seminars/webinars future.

(Dr. M.Venkateswara Rao)  
Honorary Regional Secretary, IICHe Amaravati Regional Center