

**BRIEF REPORT OF WORKSHOP ON
ASPEN PLUS AND ITS SIGNIFICANCE IN CHEMICAL ENGINEERING**

Dear All

We are pleased to note that a two days workshop on **Aspen plus and its significance in chemical engineering** 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 during 14th & 15th April, 2023.

Department of Chemical Engineering
NIT Andhra Pradesh

14,15
APRIL 2023

aspen Plus
Technology That Loves Complexity

**LET'S
LEARN FROM
THE GUEST SPEAKERS**

Dr. Saratbabu Anne
Professor
Department of Chemical Engineering
National Institute of Technology,
Warangal - 506004, Telangana, INDIA

Dr. V. Ramsagar
Associate Professor
Department of Chemical Engineering
National Institute of Technology,
Warangal - 506004, Telangana, INDIA

Dr. Manohar Kakunuri
Assistant Professor
Department of Chemical Engineering
National Institute of Technology,
Warangal - 506004, Telangana, INDIA

**WORKSHOP On
Aspen plus and
its significance in
Chemical
Engineering**

Chemical Engineering Association
NIT Andhra Pradesh

IICHe Student's Chapter
NIT Andhra Pradesh
Amaravati Regional Centre

PATRON

Prof. Pramod M. Padole
Director (in-charge)

COORDINATORS

Dr. Vinoth Kumar Raja
Head & Assist. Prof., Chemical Engg.

Dr. Dinesh P. Sankar Reddy
Asso. Prof., Chemical Engg.

Dr. Gourhari Chakraborty
Faculty Advisor (CheA), Chemical Engg.

14th April 2023:

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. Prof. Sarathbabu Anne, Dr. V Ramsagar and Dr. Manohar Kakunuri graced the occasion as a Guests of Honour.

The event was started with paying tribute to Dr. B.R Ambedkar on his 132 birthday. Dr. Vinoth Kumar Raja, warmly welcomed the dignitaries & participants for the workshop. He said the NIT AP & IICHe ARC have been active in conducting conferences, seminars; National student's meets relevant to the current needs round the year.



Presiding over the inaugural function, the Chief Guest Prof. Dinesh Shankar Reddy in-charge Registrar of NIT AP inaugurated the event along with other guest by lighting the lamp.

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

Date & Day	Time	L/P	Topic
April 14, 2023 Friday	10:00 to 11:30	L1	Introduction to Process Simulation - Dr A Sarath Babu
	11:30 to 13.00	P1	Problem solving session: Simulation of simple units, Sensitivity analysis and Design specification tools - Dr A Sarath Babu & Dr V Ramsagar
April 14, 2023 Friday	14:00 to 15.30	P2	Problem solving session: Fluid Mechanics and Heat Transfer Dr A Sarath Babu & Dr V Ramsagar
	15:30 to 17:00	P3	Problem solving session: Reaction Engineering - Dr A Sarath Babu & Dr V Ramsagar



15th April 2023:

The following speakers delivered the expert talks and invited lectures on second day of the workshop.

April 15, 2023 Saturday	09:00 to 10.30	L2	Design and Development of Sustainable Battery Systems Dr Manohar Kakunuri
	10:30 to 12:30	P4	Problem solving session: Material and Energy Balances Dr A Sarath Babu & Dr V Ramsagar
April 15, 2023 Saturday	14:00 to 15.00	P5	Problem solving session: Material and Energy Balances - Dr A Sarath Babu & Dr V Ramsagar
	15:00 to 16:30	P6	Problem solving session: Mass Transfer - Dr A Sarath Babu & Dr V Ramsagar



The activity came to an end by the Valedictory function at 04.30 p.m. Prof. Sarath Babu Anne, Dr. V Ramsagar and Dr. Manohar Kakunuri 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 workshop proceedings highlighting the relevance of the workshop and the important points made by the speakers and proposed the vote of thanks.





About 60 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, IChE Amaravati Regional Center