



**INDIAN INSTITUTE OF CHEMICAL ENGINEERS
AMARAVATI REGIONAL CENTRE
(IICChE-ARC)
JKC College Campus, Ring Road, Guntur**



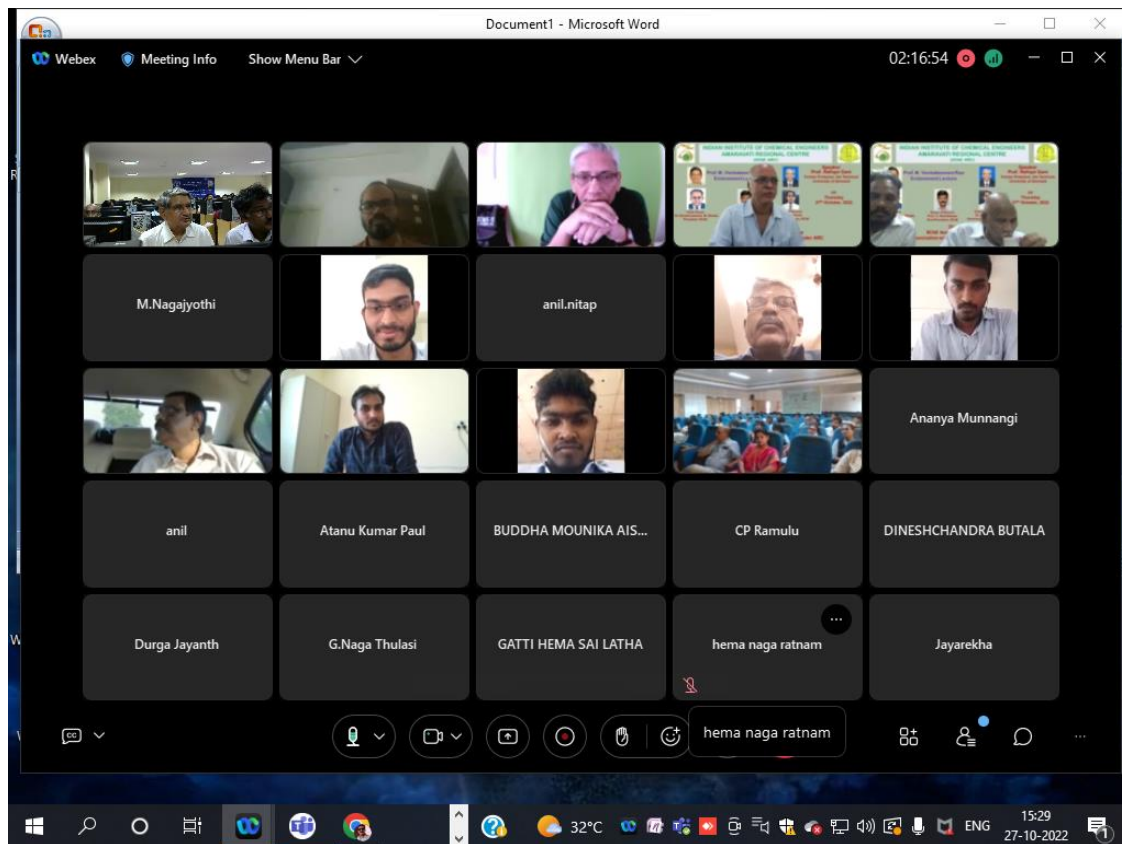
Endowment Lecture 2022 - Report

Dear All

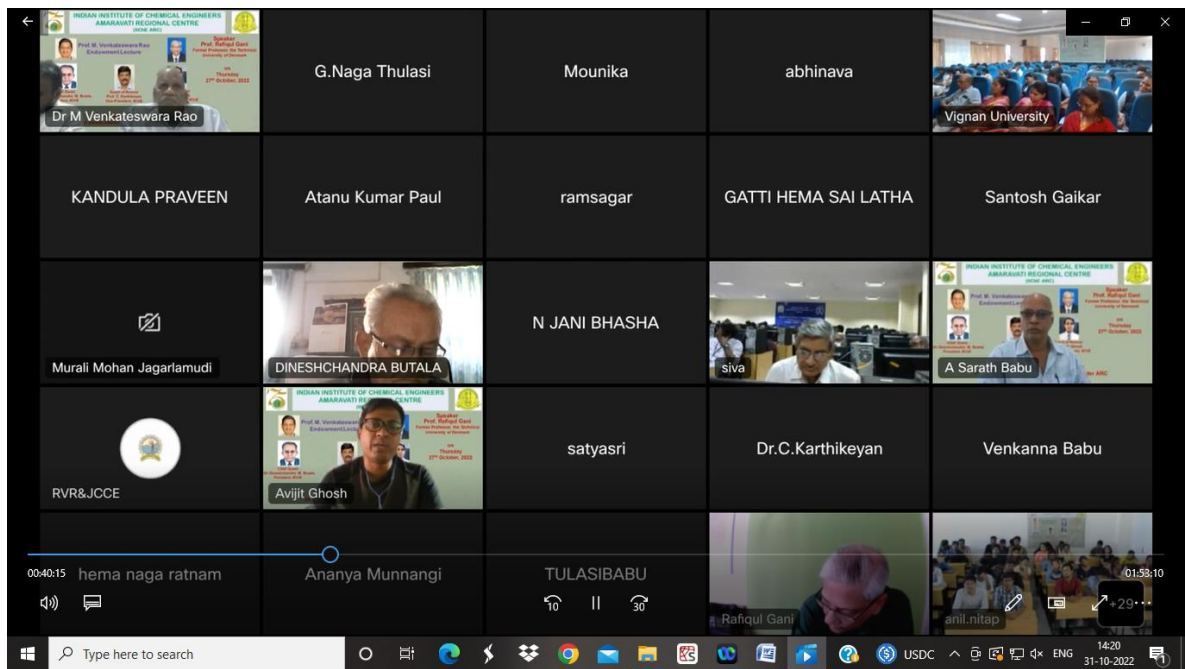
We are very happy to note that Dr. M. Venkateswar Rao Endowment Lecture was successfully organized on 27th October, 2022 by IICChE Amaravati Regional Center in association with all student chapters under IICChE ARC as a part of Platinum Jubilee celebrations of IICChE. Dr. Rafiqul Gani, former Professor, The Technical University of Denmark delivered the 1st Endowment lecture on “Process Systems Engineering and its Applications in Chemical Engineering”.

Mr. Mohan Krishna a final year Chemical Engineering student from RGUKT, Nuzvid invited the guests on the dais and requested Dr. V. Govardhana Rao, former professor IIT Bombay & Chairman IICChE ARC to preside over the function and to conduct the proceedings.

Ms. G. Jyothrmai and Ms. P. Meghana students of Chemical Engineering from Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi Guntur started the event with a prayer.



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Presiding over the inaugural function, Dr. V .Govardhana Rao, former professor IIT Bombay & Chairman IChE ARC warmly welcomed the dignitaries & participants for Endowment Lecture. He said the IChE ARC has been active in conducting conferences, seminars; National student's meets relevant to the current needs round the year. He reported the events conducted from June 2021 till the current date in association with student chapters. Besides these activities, the student chapters organize the invited lectures, industrial visits in their respective departments, he said. He further brought to the knowledge of the participants the importance of chemical & pharmaceutical industry as key sectors in the economic activity of the country, the growth potential of these sectors in the next decade in the context of the government favorable policy decisions, the supply chain disruption in China and the trade conflicts among the USA, Europe and China and the employment potential according to the Economic Survey 2021.

The Chief Guest Sri Dineshchandra M. Butala, President, IChE inaugurated the event. He informed briefly about the history of IChE and the significance of Platinum Jubilee celebrations of IChE. He introduced the importance of Process systems engineering in Chemical engineering and the rapid advances that have taken place in the era software development. He also mentioned the changes that have taken place in the process control rooms from simple manual operation to computer based operation systems.

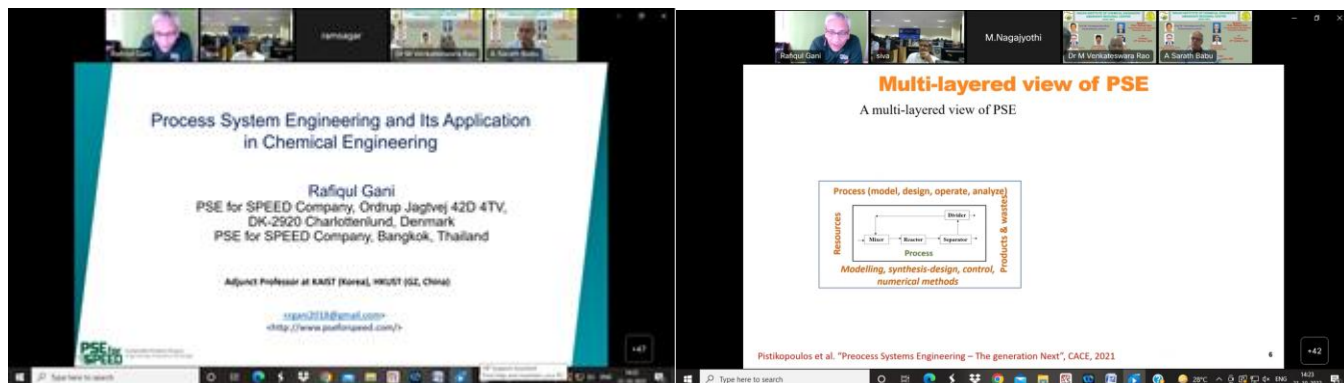
Prof. C. Karthikeyan, Department of Chemical Engineering, Annamalai University, Annamalainagar, Tamilnadu & Vice-President, IChE graced the occasion as a Guest of Honour. In his address he mentioned about the challenging opportunities for career oriented chemical engineering students and also appreciated the programmes being organized by Amaravati Regional Centre.

Dr. Avijit Ghosh, Department of Chemical Engineering, Heritage Institute of Technology, Anandapur, Madurdaha, Kolkata & Honorary Secretary, IChE graced the function as Guest of Honour. In his message he mentioned about the various activities being organized by IChE for the benefit of the chemical engineering students, especially placing the final year students in various companies for internship which is a very useful programme to gain knowledge in the concerned area and know the work culture in the industry. He also said about the incentives being offered to encourage the students and working professionals to become members of IChE. He also mentioned appreciating the activities being organized by Amaravati Regional Centre year round.

Prof. M .Venkateswara Rao briefly explained the purpose of establishing the endowment Lecture with the support of ARC members as one of the annual events of IChE ARC to motivate Chemical & allied Engineering student community especially in Amaravati Regional Centre and expose them to the emerging technological developments and practices of Chemical Engineering and Chemical Industry. He briefly mentioned about his journey from a rural background to the university level education in a city and the social technological challenges he faced and how he overcame them. It is with this background, he said, that the endowment has been initiated that the advanced technological developments in chemical engineering are to be exposed to the students at regular intervals through this endowment lecture. He also expressed his gratitude to all Guests for gracing the occasion and the Speaker Prof. Gani for accepting to deliver the Endowment Lecture.

Prof. A. Sarath Babu, Department of Chemical Engineering, NIT Warangal & Member IChE ARC introduced the Endowment speaker Prof. Rafiqul Gani as a pioneering researcher and thought leader in the field of process systems engineering (PSE), and sustainability has been an integral component of his work for more than 30 years. He further said that Prof. Gani has made seminal contributions in both education and research through his scholarly papers/presentations as well as tools/software, which continue to impact chemical engineering students and practitioners worldwide.

Delivering the Endowment Lecture Prof. Rafiqul Gani systematically introduced the multi layered view of Chemical Engineering and Process Systems Engineering. He has demonstrated a flexible framework for the solution of many problems and highlighted the role of property estimation, process synthesis, modeling, design, optimization and simulation. The examples and problems that he has demonstrated are very useful.



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Finally the participants were able to visualize the scope of Process Systems Engineering in meeting the future challenges through this lecture.

At the end, Sri K. Siva Prasada Rao, Asst. Professor, Department of Chemical Engineering, RVR & JC College of Engineering (A) & Executive Committee member of IChE ARC proposed the vote of thanks.

Total number of participants = 409 (students 360 plus faculty and working professionals 49). The huge response of the participants across many regions of the country is the testimony how curious and enthusiastic the participants are to listen to the Endowment Lecture.

As per the feedback from the participants, Prof. Gani delivered a highly informative, inspiring and thought provoking lecture on PSE. The participants suggested the organizers to conduct many more events in future.

(Dr. M.Venkateswara Rao)
Professor in Chemical Engineering &
Dean, Examinations
RVR&JC College of Engineering (A)
Honorary Regional Secretary, IChE Amaravati Regional Center