



Sarvajnik Education Society

Sarvajnik College of Engineering & Technology

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R & D Lecture Series

Chemical Engineering Department

Academic year-2019-2020

About the Speaker: Dr. Kaushik Nath, Professor and Head of Chemical Engineering has **22 years** of teaching and 17 years of research experience. He obtained his B.Tech and M. Tech. in Chemical Engineering from Calcutta University and Ph.D. from IIT Kharagpur. Dr. Nath has published **90 research papers** and articles in various peer reviewed international and national journals and also in conference proceedings with total citations more than **2285** till date. He has published a book on 'Membrane Separation Process' from Prentice Hall of India and contributed **06 other book chapters**. A reviewer of several international journals from Elsevier, Springer and Taylor & Francis, Dr. Nath is a Fellow of The Institution of Engineers (IE) and the immediate-past Chairman of its Vallabh Vidyanagar Centre. He is a member of Board of studies in Chemical Engineering, Gujarat Technological University; members of various professional organizations like Indian Institute of Chemical Engineers, Materials Research Society of India, Indian Membrane Society, and Indian Society for Technical Education. He was recipient of the prestigious 'Innovative Potential Project Award' by the Indian National Academy of Engineering (INAE) in 2007. Dr. Nath is an External Environmental Auditor for schedule I industry, Gujarat Pollution Control Board, He has completed 03 sponsored projects as principal investigator, continuing 02 others; guided **04 Ph.D. thesis** and is presently guiding **05** others. So far he has fetched research grant of about **1 crore 20 lakhs** rupees from AICTE, DST, CSIR, GUJCOST and IE (I) for his various research projects.

Details of Expert Talk:

Topic: "An overview of membrane science and technology in chemical and allied industries".

Speaker: Prof. (Dr.) Kaushik Nath, Professor & Head, CHED, GCET, V.V.Nagar.

Date /Time: 03/02/2020 at 10.00 AM

Venue: N.J. Seminar Hall

Co-ordinator: Prof. Rashmita Patel & Prof. Srujal Rana

Participants: Approx. 100



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The session started with introduction of Prof. (Dr.) Kaushik Nath by MOC. Dr. Vaishali Umrigar welcomes Dr. Nath with flowers.

Highlights of the R&D session:

Prof. (Dr.) Kaushik Nath delivered an interesting and highly informative talk on "An overview of membrane science and technology in chemical and allied industries", in the domain of Advanced Separation Techniques.

- ✚ Driving force for the world today.
- ✚ Challenges of Chemical Industries
- ✚ Strategic direction of Chemical Industries
- ✚ Separation processes and Advanced separation processes.
- ✚ Membrane and Membrane separation processes.
- ✚ Less focused research areas

The session was very interactive with enthusiastic participation and Q&A from student community. Some glimpses of the event are shared below.

Achievable:

1. Possibility of guiding the student's final year Project Work who are working in the field of "Advanced Separation Techniques".
2. Dr. Nath showed his inclination towards future association also.

Glimpses of the Event:





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Acknowledgments:

We acknowledge the support provided by all teaching and non-teaching staff members of Chemical Engineering Department for making this event successful. We would like to thank Head of Department Prof. (Dr.) Swati Sharma for all kinds of support extended, and Honourable Principal Prof. (Dr.) Hiren Patel for granting permission for the R & D talk and encouraging us. We are also thankful to Dean R&D Prof. (Dr.) Chirag Paunwala for his assistance and inspiration in arranging the talk. We are thankful to the expert Prof. (Dr.) Kaushik Nath for sharing his valuable time and expertise with the participants. Finally, we thank all the participants for their enthusiastic participation that provides us motivation for arranging such sessions.