



# SRI VENKATESWARA COLLEGE OF ENGINEERING

(AICTE APPROVED & NAAC ACCREDITED)

AN AUTONOMOUS INSTITUTION - AFFILIATED TO ANNA UNIVERSITY,  
CHENNAI, PENNALAR, SRIPERUMBUDUR TK. - 602117, TAMIL NADU.



## Department of Chemical Engineering

**AIChE**  
The Global Home of Chemical Engineers

(NBA Accredited)

in association with IIChe - SVCE Student Chapter & AIChE - SVCE Student Chapter  
*Organizes*

A WORKSHOP AS WEBINAR SERIES

ON

## Opportunities and Challenges for Chemical Engineers

**Mr. D.M. SENTHIL KUMAR**

SITE HEAD, PRODUCTION &  
TECHNOLOGY COVESTRO (INDIA)  
Pvt. Ltd, CUDDALORE

**TOPIC: APPLICATION OF CHEMICAL  
ENGINEERING PRINCIPLES IN PROCESS  
INDUSTRIES**

**06 JUNE ,2020  
10:30 AM - 11:30AM**

**Mr. RAJESH RAVINDRAN**

PROCESS ENGINEER, TECHNIP,  
BENELUX

**TOPIC: GRADUATE OPPORTUNITIES  
IN EUROPEAN UNION**

**08 JUNE ,2020  
4:00 PM - 5:00 PM**

**Mr. D. SENTHIL KUMAR**

SENIOR PROCESS ENGINEER,  
MCDERMOTT

**TOPIC: OIL & GAS INDUSTRY  
EXPECTATION FROM  
BUDDING CHEMICAL  
ENGINEERS**

**10 JUNE - 2020  
10:30 AM - 11:30 AM**

**Mr. K. PAULRAJAN**

SCIENTIFIC OFFICER - D,  
KUDANKULAM NUCLEAR  
POWER PLANT, NPCIL

**TOPIC: OPPORTUNITIES FOR  
HIGHER STUDIES AND PSU JOBS  
IN INDIA**

**09 JUNE ,2020  
10:30 AM - 11:30 AM**

**Dr. ANITHA RAVIKRISHNAN**

TISSUE ENGINEERING SCIENTIST,  
FINLESS FOODS

**TOPIC: GRADUATE RESEARCH  
OPPORTUNITIES IN UNITED STATES**

**07 JUNE, 2020,  
9:00 AM - 10:00 AM**

**\*NOTE\***

**EXCLUSIVELY FOR CHEMICAL  
ENGINEERING AND ALLIED FIELDS**

**CONVENOR**

**Dr. N.MEYYAPPAN - HOD**

**COORDINATORS**

**Ms. A.C.VIJAYA LAKSHMI**

**ASSISTANT PROFESSOR**

**Ms. G.SUDHA -**

**ASSISTANT PROFESSOR**

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**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)  
PENNALUR, SRIPERUMBUDUR-602117**



**REPORT ON WORKSHOP AS A WEBINAR SERIES ON OPPORTUNITIES AND  
CHALLENGES FOR CHEMICAL ENGINEERS**

**Date: 06.06.2020 to 10.06.2020**

**Time: 10.30 a.m. to 11.30 A.m.**

**Objectives (Maximum 50 words):**

The objective of the Seminar is to persevere on the importance of Chemical Engineering in Process Industries and allied areas of sustainable development and also to provide an update on the best expectations from the industries and research institutions, both in India and abroad, towards a chemical engineer.

**About the programme (Min 500 words):**

Every Chemical engineering graduate is in a uncertainty about his future whether to continue his studies to pursue a master's degree / Doctorate, either in India or Abroad, or to search for a job. If his choice is to be higher studies, what would be his specialization, what are the various option available for him, what are the various universities offering them, where can he find a research opportunity to satisfy his inner potential of innovations etc., would be a few questions putforth by the students. Similarly, if he plans for a career in an industry, what are the various options available for him in both PSU's and other private industries is unknown for many. This seminar is to provide an open-a-vista in the areas of the opportunities and challenges faced by chemical engineers in varied industries and while planning for higher studies.

- This programme was inaugurated by **Mr. D.M. SENTHIL KUMAR**, *Site Head, Production & Technology Covestro (India) Pvt. Ltd, Cuddalore.* with a lecture on the ***APPLICATION OF CHEMICAL ENGINEERING PRINCIPLES IN PROCESS INDUSTRIES.***
- The second lecture gave an overview about the ***GRADUATE RESEARCH OPPORTUNITIES IN UNITED STATES*** by **Dr. ANITHA RAVIKRISHNAN**, *Tissue Engineering Scientist, Finless Foods.*
- The third lecture was mainly concerned about the ***GRADUATE OPPORTUNITIES IN EUROPEAN UNION*** by **Mr. RAJESH RAVINDRAN**, *Process Engineer, Technip, Benelux.*

- DAY 4 Started with the ***OPPORTUNITIES FOR HIGHER STUDIES AND PSU JOBS IN INDIA***, by **Mr. K. PAULRAJAN**, *Scientific Officer - D, Kudankulam Nuclear Power Plant, NPCIL.*
- The final session was totally oriented towards the ***OIL & GAS INDUSTRY EXPECTATION FROM BUDDING CHEMICAL ENGINEERS*** by **Mr. D. SENTHIL KUMAR**, *Senior Process Engineer, McDermott.*

The participants were mostly students with some faculty members from various institutions in the chemical engineering discipline. This programme widely covered almost all the opportunities available for a chemical engineering student, after he graduates. The first speaker covered the all the chemical engineering principles applied in the industries and the significance of the role of a chemical engineer in an industry with respect to design and transport regimes. The second speaker gave an overview of the various opportunities available for research and innovation in united states and she also insisted upon the importance of publications and patents to enter in the research field abroad. The third speaker expanded the view on higher studies and job opportunities in European Union and the challenges to be faced by a chemical engineer. Mr.Paulrajan, exhibited the various job openings available in INDIA in PSU's and private sectors along with the thrust areas for postgraduation in IIT's and NIT's. He also insisted on the significance of getting a GATE score and listed the institutions based on the same. As Oil and Gas industry is the most focused area in the current situation, the last session focussed on it exclusively.

Overall, the programme was a great prospect to the chemical engineering society in exploring the options available and getting benefitted from it and was a great success.

**Benefits (Maximum 50 words):**

The lectures and the discussion sessions were very helpful in clearing the confusions and doubts about the uncertainty regarding the future prospects of the participants. They were made aware of much of the opportunities available widespread and the expectations by the industry from the graduates.

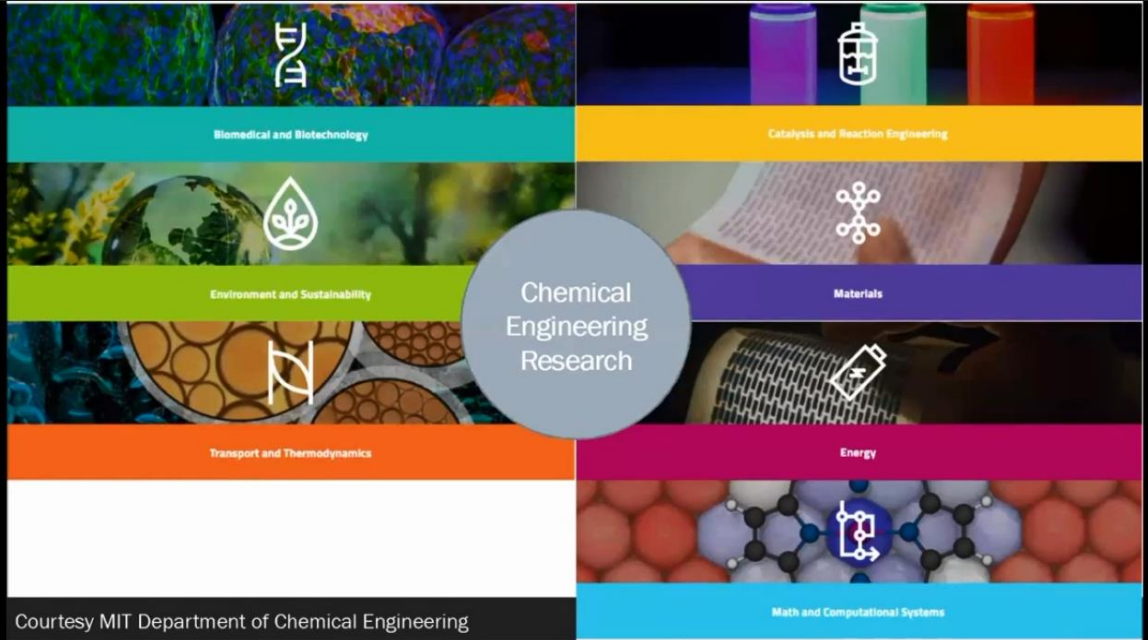
**Prepared by Faculty Name, Designation & Dept.**



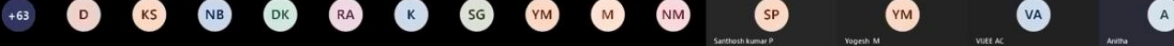
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Assistant Professor  
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Courtesy MIT Department of Chemical Engineering



*N. Meyyappan*

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