

Guest Lecture

Seminar on Modeling as a Tool in Chemical Engineering

The Department of Chemical Engineering conducted a Guest lecture on “Modelling as a Tool in Chemical Engineering” by Dr. Karthik Ramanatham- Deputy Engineering Director in Applied Materials India , Bangalore. The guest lecture was scheduled on 28th March, 2018 at Seminar Hall IV of MVJ College of Engineering. The session started at 9.30 a.m in the presence of Dr. Gunasekaran (Principal), Dr.Pasupathy (Dean),Dr.Venkatesham (IChE Chairman & Professor of Chemical Department), Dr. Seshadri Kumar (Professor of the CH Department), Mrs. M .Nagapadma (Head of Department, CH), Ms.B.Sravani (Event Coordinator), the department faculty members and the student coordinators.

A total of 80 students (IVth sem &VIth sem) from Chemical Engineering Department were present for the guest lecture. The welcome address was given by Nimisha Simon (VIIIth sem) and Anju.P.Sruth i(IVth sem) after which Dr. Karthik Ramanatham spoke on the importance of Modeling as a Tool in Chemical Engineering program. He emphasized that designing a chemical engineering process/system by a “trial and error” approach is time-consuming and expensive. It is not just testing that is time consuming but also preparation of various catalysts/gasses/reaction that requires a lot of time. By using mathematical modeling (from first principles) and computer simulation to aid design, this process can be considerably shortened. Additionally, the exercise of model development and application can lead to a greater understanding of the chemistry and physics of the system which can help optimize their efficiency and better control of the process. The lecture enabled the students to understand how mathematical modeling can be used as a tool in the industry. Dr. Karthik Ramanatham cited examples from automotive and semiconductor industry.

The seminar was a good platform for the students to get first-hand information on Modeling as a Tool in Chemical Engineering. The event ended at 12.00pm with a Vote of Thanks given by Mr. Zian (VIIIth Sem).



Guest Lecture on "Modeling as a Tool in Chemical Engineering" held on 28/03/18 organised by Department of CH in Seminar Hall-4 in Association with IChE. Dr.Karthik Ramanathan (Deputy Engg. Director ,Applied Materials India,Bangalore) Bouquet for the speaker presented by Mrs.M.Nagapadma,HOD of CH



Guest Lecture on "Modeling as a Tool in Chemical Engineering" held on 28/03/18 organised by Department of CH in Seminar Hall-4 in association with IChE Dr.Karthik Ramanathan (Deputy Engg.Director,Applied Materials India,Bangalore) addressing the students on Mathematical Modelling Equations.



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Memento presenting to Dr.Karthik Ramanatham (Deputy Engg.Director,Applied Materials India,Bangalore) by Dr.Seshadri Kumar



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Group Photo with Dr.Karthik Ramanatham (Deputy Engg.Director,Applied Materials India,Bangalore) and Dr.Venkatesham(IICHe Chairman) by the Chemical Department Faculty members