Event Report

Date of the event & time	28/10/2017 & 9.30 a.m. to 12.30 p.m.
Title of the Event	"Development of Petrochemical Processes and Catalyst"
Name, designation and organization of invited guest speakers	Dr. Ananda B. Halgeri Director Poornaprajna Institute of Scientific Research Bangalore-560-080
Organized by (Dept. Name)	Chemical Engineering
Name of department event coordinator	Soumyashree S. Hosamani , Assistant Professor, Chemical Engineering

The chemical engineer creates and develops manufacturing processes dedicated to the production of goods, to chemical transformations as well as to equipment for those processes. Their role is crucial in many sectors of the chemical, pharmaceutical, biotechnology, plastic, food industry and petrochemical.

Considering the Development of petrochemical processes and catalysts, the Chemical plants convert oil, natural gas, air, water, metals and minerals into chemical products. Chemicals that are derived from petroleum or natural gas are called petrochemicals. These chemicals are typically extracted during the refining process as crude oil and natural gas liquids are cracked or distilled. Petrochemicals can be divided into two common classes: olefins (butadiene, ethylene, and propylene) and aromatic (benzene, toluene, and xylene isomers). Oil refineries produce olefins and aromatics by fluid catalytic cracking of petroleum fractions. Chemical plants take natural gas liquids (ethane, propane and butane) from a gas processing plant and use a steam cracking process to produce olefins. Aromatics are produced by catalytic reforming of naphtha. Olefins and aromatics are the basic components for a wide range of materials such as solvents, detergents, and adhesives. Olefins are the basis for polymers and oligomers used in plastics, resins, fibres, elastomers, lubricants, and gels. Polymers and plastics such as polyethylene, polypropylene, polyvinyl chloride, polyethylene terephthalate, polystyrene and

polycarbonate make up the vast majority of the chemical industry's output worldwide.

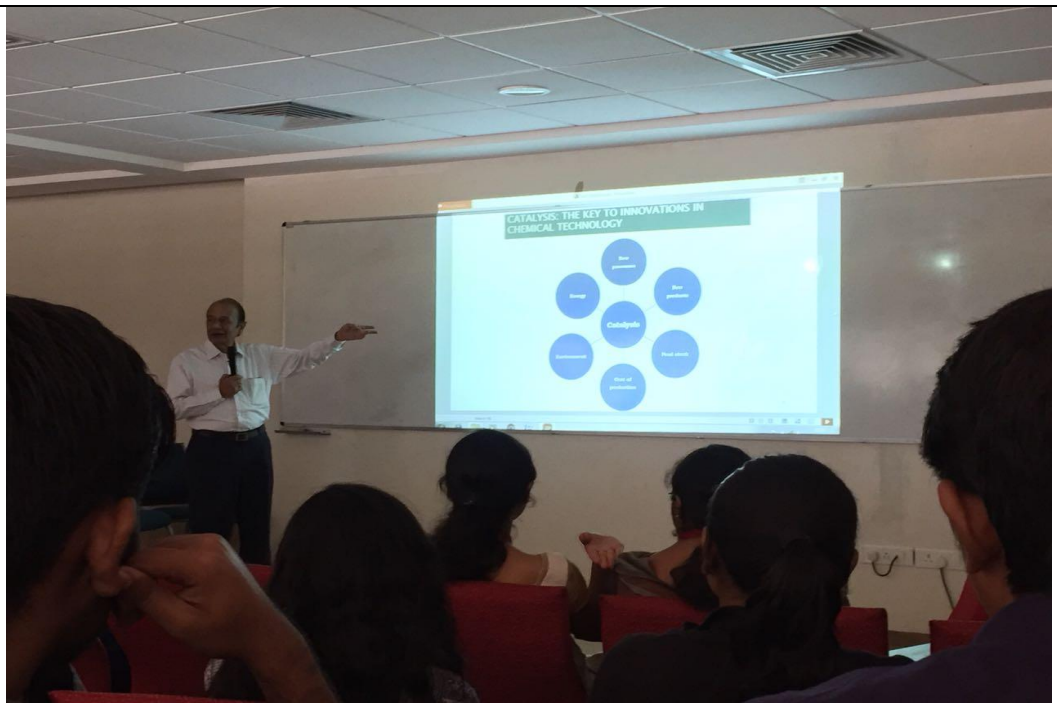
The lecture stressed on Chemical Engineers can fulfil a large number of roles, they can be process engineers and responsible for a unit. They can be project engineers and run various capital improvement projects within a plant or unit; they can be consultants and fulfil jobs and roles that companies and clients might need. They can be involved in quality, environmental, safety, health, or other "support" job functions to support the plant as a whole.

The beauty of being a chemical engineer in the petrochemical and specialty chemical industries is that you can almost justify any and every position. Chemical engineering forms a solid base for any and all roles but it's up to the experiences and the skills that you acquire as you develop your career, to determine when where and how fast your career will grow.

Invocation Song by Mr. Aditya Prabhu

Bouquet Presenting to Dr. Ananda B Halgeri by Head of Department

Guest Introduction Speech by Dr. Debeyan Das



Deliverable Lecture by Dr. Ananda B. Halgeri

Students Interaction Session

Honorarium to Dr. Ananda B Halgeri by Head of Department