

**Certificate Course in Humanities and Science
with Specialization in
“Role of Chemistry in Engineering”
Held On
18 February to 23 February 2019**



**Department of Humanities and Science,
KG Reddy College of Engineering & Technology**
Chilkur(Village), Moinabad(Mandal), Hyderabad RR Dist-501504


Coordinator


Principal
Principal
KG Reddy College of Engineering & Technology
Chilkur (V), Moinabad (M).
R.R.Dist., Telangana.

SUMMARY REPORT ON ROLE OF CHEMISTRY IN ENGINEERING

About the course

The certificate course on role of chemistry in Engineering is concluded its work successfully by department of Humanities and Science (HS) in KG ready college of Engineering and technology (KGR CET), Hyderabad, Telangana. This course is a forum to bring together students to discuss innovative ideas and diverse topics of this course on next generation of information technologies. Department has taken a new step for students to improve the quality of study through this course and become most wide scale , extensive, spectacular event in Humanities and Science. The six days course was held in two locations of the department (a) Department E-learning room for theory class and (b) Department laboratory for practical class.

An industry in which the raw materials undergo chemical conversion during their processing into finished products, as well as (or instead of) the physical conversions common to industry in general; includes the traditional chemical, petroleum, and petrochemical industries. The chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials (oil, natural gas, air, water, metals, and minerals) into different products. The plastics industry contains some overlap, as most chemical companies produce plastic as well as other chemicals.

An industry, abbreviated CPI, in which the raw materials undergo chemical conversion during their processing into finished products, as well as (or instead of) the physical conversions common to industry in general. In the chemical process industry the products differ chemically from the raw materials as a result of undergoing one or more chemical reactions during the manufacturing process. The chemical process industries broadly include the traditional chemical industries, both organic and inorganic; the petroleum industry; the petrochemical industry, which produces the majority of plastics, synthetic fibers, and synthetic rubber from petroleum and natural-gas raw materials; and a series of allied industries in which chemical processing plays a substantial part. While the chemical process industries are primarily the realm of the chemical engineer and the chemist, they also involve a wide range of other scientific, engineering, and economic specialists.

Objective of course

The general objective of a chemical plant is to create new material wealth via the chemical or biological transformation and or separation of materials. Chemical plants use specialized equipment, units, and technology in the manufacturing process.

The chemical and process engineering especially involving chemical reactor engineering has been existed to the changing needs of the chemical and related process industries such as petroleum, petrochemical, bituminous, pharmaceutical and health, agro and food, environment, iron and steel, building materials, paints, glass, surfactants, electronics, cosmetic and perfume, etc., and to meet market demands. So being a key to survival in globalisation of trade and competition, the evolution of chemical engineering is thus necessary. And to satisfy both, the