



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

Accredited by NAAC | Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Kumarankottam Campus, Kanampalayam

Coimbatore-641402

DEPARTMENT OF PETROCHEMICAL ENGINEERING

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

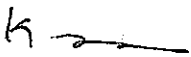
Graduates of B.E Petrochemical Engineering will

PEO 1	Exhibit a professional and ethical attitude, effective communication skills, teamwork, multidisciplinary approach, and an ability to solve the problems encountered in petrochemical sector.
PEO 2	Gain knowledge in basic sciences, mathematics and computational platforms.
PEO 3	Have a knowledge and competency in refinery process industries complemented by the appropriate skills and attributes.
PEO 4	Understand the theory and applications of analytical equipments used in industries for testing the quality of petroleum, intermediates and products.
PEO 5	Address to meet the world's ever-increasing demand for hydrocarbon fuel, thermal energy, and waste management.

PROGRAMME OUTCOMES (POs)

On successful completion of the programme,

PO 1	Engineering Knowledge: Graduates will be able to demonstrate their knowledge professionally and shoulder ethical responsibilities.
PO 2	Problem Analysis: Graduates will be able to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
PO 3	Design/ Development of Solutions: Graduates will be able to identify, formulate, and solve engineering problems related to petrochemical industry.
PO 4	Conduct Investigations of Complex Problems: Graduates will be capable to design experiments, analyze and interpret data.
PO 5	Modern Tool Usage: Graduates will be able to meet the world's ever-increasing demand for hydrocarbon fuel, thermal energy, and waste management.


Dr. R.KANNAN, A.M.I.E., M.Tech., Ph.D.,
Professor & Head
Department of Petrochemical Engineering
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Sulur, Coimbatore - 641 402.

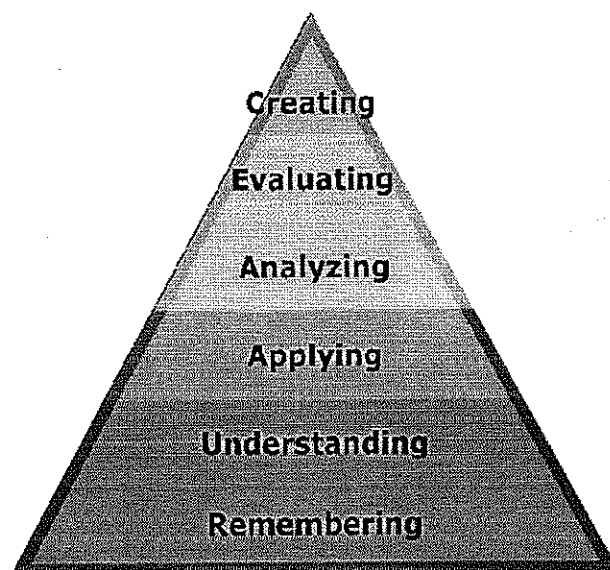

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PO 6	The Engineer and Society: Graduates will be able to communicate effectively and work in interdisciplinary groups.
PO 7	Environment and Sustainability: Graduates will have a knowledge to analyze chemical and petrochemical products.
PO 8	Ethics: Graduates will understand the characteristics of source and reservoir Engineering.
PO 9	Individual and Teamwork: Graduates will gain expertise with environmentally sound exploration, evaluation and recovery of oil, gas and other fluids in the earth.
PO 10	Communication: Graduates will Understand the pre requisites of control strategies and the mechanism of advance control systems.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1	Ability to work on an area of knowledge of crude and exploration onshore/offshore, petroleum refining and petrochemical-chemical industries.
PSO2	Ability to work on area of simulation and modeling design equipments of reactors, column, heat exchanger and evaporator.
PSO3	Ability to work on an area of the safety, effluent treatment, alternate fuel, transportation.

BLOOM'S REVISED TAXONOMY



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