



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

Kumaran Kottam Campus, Kannampalayam (Po), Coimbatore – 641 402
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

NAAC Accredited and ISO 21001:2018 certified Institution



Department of Petrochemical Engineering

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates of B.E Petrochemical Engineering will,

PEO1	Exhibit a professional and ethical attitude, effective communication skills, teamwork, multidisciplinary approach, and an ability to solve the problems encountered in petrochemical sector.
PEO2	Gain knowledge in basic sciences, mathematics and computational platforms.
PEO3	Have a knowledge and competency in refinery process industries complemented by the appropriate skills and attributes.
PEO4	Understand the theory and applications of analytical equipments used in industries for testing the quality of petroleum, intermediates and products.
PEO5	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,

PO1	Engineering Knowledge: Graduates will be able to demonstrate their knowledge professionally and should erethical responsibilities.
PO2	Problem Analysis: Graduates will able be 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
PO3	Design/ Development of Solutions: Graduates will be able to identify, formulate, and solve engineering problems related to petrochemical industry.
PO4	Conduct Investigations of Complex Problems: Graduates will be capable to design experiments, analyze and interpret data.
PO5	Modern Tool Usage: Graduates will be able to meet the world's ever-increasing demand for hydrocarbon fuel, thermal energy, and waste management.
PO6	The Engineer and Society: Graduates will be able to communicate effectively and work in interdisciplinary groups.
PO7	Environment and Sustainability: Graduates will have knowledge to analyze chemical and petrochemical products.

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Dr. R.KANNAN, A.M.I.E., M.Tech., Ph.D.,

Professor & Head

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PO8	Ethics: Graduates will understand the characteristics of source and reservoir Engineering.
PO9	Individual and Teamwork: Graduates will gain expertise with environmentally sound exploration, evaluation and recovery of oil, gas and other fluids in the earth.
PO10	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.


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