

- Operating Fluidized catalytic cracking (FCC) unit, Advance Cracking Evaluation (ACE), Automated Micro Activity Test (MAT) through SCADA with PLC system.
- Experience in the synthesis of various catalysts for the Fluid Catalytic Cracking Unit.
- Experience in handling autoclaves, PARR reactors and performing the reactions in hydrothermal conditions.
- Hands on experience in various analytical techniques like UV-Visible spectroscopy, Infra-red Spectroscopy, Powder XRD, Gas chromatography, Thermogravimetric analysis, Simulated distillation unit, Particle size analyzer, Refinery gas analyzer, Rotary sample divider, Apparent bulk density, Rotary evaporator, Attrition.
- Analyze the data of analytical instruments like PIONA, CHNS, SEM, RAMAN to correlate.
- Developed an easy and less cumbersome mass balance sheet in excel.