COURSE CONTENTS

- Heavy crude oils-production trends in world / India, composition, handling / transportation and processing options in genera" – Including high acid crudes, shale oil, tar sands and emulsions
- 2. Flow characteristics and transportation of heavy oils including pretreatment
- 3. Heavy crude oil processing existing refinery configuration limitations in processing heavy crude oils / residues
- Options for processing increased residue volumes from heavy oils
 Visbreaking & Delayed Coking
- 5. Options for processing increased residue volumes from heavy oils
 - a) FCC / RFCC
 - b) Solvent Deasphalting
 - c) Resid hydro-processing (H oil, LC fining, VRDS etc.)
 - d) IGCC including syngas conversion to liquid fuels / waxes
- 6. Options for processing increased residue volumes from heavy oils Bitumen
- 7. Impact of heavy crude oils on refinery petrochemical integration