




Excel Engineering College
(Autonomous)
Department of Petrochemical Technology

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution:

Classification / Mapping of Course with their societal needs

Course code and name	Local needs	Regional Needs	National Needs	Global Needs
B.Tech Petrochemical Technology Regulation 2020				
20MA106 -Mathematics-I for chemical sciences	✓	✓	✓	✓
20EC103- Basics of Electrical and Electronics Engineering		✓	✓	✓
20CH104 - Chemistry for Chemical Sciences	✓	✓	✓	✓
20PC101- Organic Chemistry		✓	✓	✓
20ME101-Engineering Graphics		✓	✓	✓
20MC101-Induction Programme	✓	✓	✓	✓
20ENE01 - Communicative English		✓	✓	✓
20MA206 - Mathematics-II for Chemical Sciences	✓	✓	✓	✓
20PC201 -Industrial Chemical Technology	✓	✓	✓	✓
20ENE02 -Advanced Communicative English	✓	✓	✓	✓
20PH204 -Physics for Chemical Sciences		✓	✓	✓
20CS201 - Problem Solving using Python		✓	✓	✓
20PC202 - Chemical Analysis Laboratory		✓	✓	✓
20MC201-Environmental Sciences		✓	✓	✓
20ENE03- Hindi		✓	✓	✓
20ENE04 - French		✓	✓	✓
20ENE05- German		✓	✓	✓
20MA304- Probability & Statistics		✓	✓	✓
20PC301- Fluid mechanics for Chemical Engineers	✓	✓	✓	✓
20PC302- Material Technology for Chemical Engineers	✓	✓	✓	✓
20PC303- Chemical Process Calculation		✓	✓	✓
20PC304 - Mechanical operations		✓	✓	✓

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20PC305 - Reservoir Engineering		✓	✓	✓
20PC306 - Fluids and solid Operations Laboratory	✓	✓	✓	✓
20PC307- Geology Laboratory		✓	✓	✓
20MC302 - Interpersonal skills	✓	✓	✓	✓
20MA405 - Numerical Methods		✓	✓	✓
20PC401- Chemical Engineering Thermodynamics		✓	✓	✓
20PC402- Heat Transfer Operations		✓	✓	✓
20PC403- Petroleum Exploration and Exploitation Techniques		✓	✓	✓
20PC404- Natural Gas Engineering		✓	✓	✓
20PC405- Petroleum Processing I		✓	✓	✓
20PC406- Drilling fluids Laboratory		✓	✓	✓
20PC407- Technical Analysis Laboratory		✓	✓	✓
20MC401- Soft Skills	✓	✓	✓	✓
		Reviewed by	Approved By	
SIGN				
NAME	Mr.P.Santhosh	Mr.P.Ilavalagan	Mr.A.Meenakshi Sundar	

