

DEPARTMENT OF CHEMISTRY**2021 Scheme**

Course Code	ENGINEERING CHEMISTRY (21CHE12/22)
CO1	Use of free energy in equilibrium, rationalize bulk properties and processes using thermodynamic considerations, electrochemical
CO2	Cause & effects of corrosion of metals and control of corrosion. Modification of surface properties of metals to develop resistance to corrosion, wear, tear impact etc. by electroplating and electroless plating.
CO3	Production & consumption of energy for industrialization of country and living standards of people. Electrochemical and concentration cells. Classical, modern batteries and fuel cells. Utilization of solar energy for different useful forms of energy.
CO4	Environmental pollution, waste management and water chemistry.
CO5	Different techniques of instrumental methods of analysis. Fundamental principles of nano materials.
Course Code	ENGINEERING CHEMISTRY LAB (21CHEL16/26)
CO1	Handling different types of instruments for analysis using small quantities of materials involved for quick and accurate results
CO2	Carrying out different types of titrations for estimation of concerned in materials using comparatively more quantities of materials involved for good results