

## Programme Articulation Matrix\_B.Tech\_(III – VIII) semester

Course Code	Course Name	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO12	PSO 1	PSO 2	PSO 3
CHT201	Chemical Process Calculations	3	3	2	2	1	2	1	1	--	2	2	2	3	2	2
CHT202	Heat Transfer	3	3	3	3	2	--	2	--	2	2	2	2	3	2	2
CHT203	Momentum Transfer Operations	3	3	2	2	--	1	--	1	2	2	--	1	3	2	3
CHT204	Chemical Reaction Engineering-I	3	3	3	3	--	2	2	2	2	1	2	2	3	2	3
CHT205	Chemical Engineering Thermodynamics-I	3	3	1	1	3	2	3	1	2	1	1	3	3	3	3
CHT206	Industrial Pollution Abatement	2	2	3	2	--	2	3	2	1	1	--	1	3	2	2
CHT207	Energy Resources Utilization	2	1	1	--	--	2	3	--	--	--	--	1	3	3	2
CHT208	Fluid Particle Mechanics	3	3	2	1	--	1	--	1	1	1	--	1	3	2	1
CHT209	Process Instrumentation	3	3	2	2	--	1	--	--	2	2	--	1	3	2	3
CHT210	Mass Transfer-I	3	3	3	2	2	2	2	1	--	--	--	2	3	2	1
CHT211	Numerical Methods in Chemical Engineering	3	2	--	2	3	1	1	--	2	1	1	2	3	1	2
CHT301	Mass Transfer-II	3	3	3	2	--	2	2	1	2	1	1	1	3	2	2
CHT302	Process Engineering and Plant Design	2	3	3	3	3	2	3	3	3	3	2	2	3	3	3
CHT303	Chemical Reaction Engineering-II	3	3	3	3	1	1	2	1	1	1	--	2	3	2	2
CHT304	Petroleum Refining	3	3	3	2	1	2	3	1	2	2	1	1	3	2	2
CHT305	Optimization of Chemical Processes	3	3	3	3	3	2	3	2	1	2	3	3	3	3	2
CHT306	Mathematical Methods in Chemical Engineering	3	3	2	2	3	1	2	1	--	1	--	2	3	3	2
CHT307	Chemical Engineering Thermodynamics-II	3	3	3	3	3	--	--	2	2	--	--	2	3	2	1
CHT308	Process Dynamics and Control	3	3	3	2	3	3	1	2	1	2	1	1	3	3	3
CHT309	Process Equipment Design	3	3	3	2	3	--	2	1	3	3	1	3	3	2	2
CHT310	Chemical Technology	3	3	2	2	2	2	3	1	1	2	2	3	3	2	1
CHT312	Transport Phenomena	3	2	3	1	3	--	--	1	1	1	--	3	3	2	2
CHT321	Petroleum, Petrochemicals and Natural Gas Engineering	3	3	2	2	--	2	3	2	1	2	2	2	3	2	2

<b>CHT403</b>	<b>Modelling and Simulation</b>	3	3	2	2	2	--	--	--	1	--	--	1	3	2	2
<b>CHT404</b>	<b>Advanced Separation Processes</b>	3	3	3	3	2	3	3	3	2	3	2	2	3	3	2
<b>CHT405</b>	<b>Introduction to Plastic Materials</b>	1	1	2	--	--	2	2	2	--	1	--	1	2	1	1
<b>CHT408</b>	<b>Process Safety and Hazards</b>	3	3	3	3	3	3	2	3	2	2	2	1	3	2	3
<b>CHT411</b>	<b>Polymer Science and Technology</b>	3	3	2	2	--	1	--	--	2	2	--	2	3	2	3
<b>CHT412</b>	<b>Advanced Process Control</b>	2	3	3	2	3	2	3	2	--	1	2	3	3	2	3
<b>CHT413</b>	<b>Bioprocess Engineering</b>	3	3	3	3	2	3	3	2	2	2	1	2	3	2	2
<b>CHT415</b>	<b>Non-Conventional Energy Sources</b>	2	2	2	1	--	1	3	2	1	--	--	1	2	3	1
<b>CHT416</b>	<b>Catalytic Processes</b>	3	3	3	3	2	3	3	2	2	--	--	2	3	3	2

1- *Low Correlation*; 2- *Moderate Correlation*; 3- *Substantial Correlation*