




VISAT Engineering College

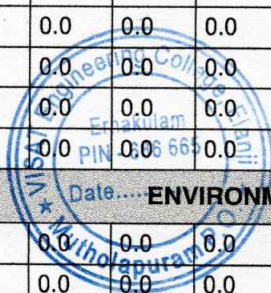
	PO Attainment	CEE
B.Tech in Civil Engineering	Branch: B.Tech in Civil Engineering	
Semester: Semester 8	Academic Year: 2022-23	

CO PO Mapping

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO1	PSO2	PSO3
QUANTITY SURVEYING AND VALUATION - CET402															
CO1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO3	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO4	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO6	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
AIRQUALITY MANAGEMENT - CET464															
CO1	3.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO2	3.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO3	3.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO4	3.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
CO5	3.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
REPAIR AND REHABILITATION OF BUILDINGS - CET456															
CO1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO2	3.0	2.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0
CO3	3.0	2.0	0.0	0.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0
CO4	3.0	0.0	0.0	1.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO5	3.0	2.0	2.0	1.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
CLIMATE CHANGE AND SUSTAINABILITY - CET468															
CO1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO2	0.0	2.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO3	0.0	3.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO4	2.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
COMPREHENSIVE COURSE VIVA - CET404															
CO1	3.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	1.0	1.0
CO2	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	1.0	1.0
CO3	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	1.0	1.0
CO4	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	1.0	1.0
CO5	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	1.0	1.0
PROJECT PHASE II - CED416															
CO1	2.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
CO2	2.0	2.0	2.0	0.0	1.0	3.0	3.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0	2.0
CO3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0
CO4	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0
CO5	2.0	3.0	3.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0


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CO6	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	3.0	1.0	1.0	2.0	2.0	2.0
DESIGN OF STEEL STRUCTURES - CET401															
CO 1	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO 2	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO 3	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO 4	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO5	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
GROUND IMPROVEMENT TECHNIQUES - CET423															
CO1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO3	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO4	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
ENVIRONMENTAL ENGG LAB - CEL411															
CO1	3.0	2.0	1.0	1.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
CO2	3.0	2.0	1.0	1.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
SEMINAR - CEQ413															
CO1	2.0	2.0	1.0	1.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	3.0	1.0	1.0	1.0
CO2	3.0	3.0	2.0	3.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	3.0	1.0	1.0	1.0
CO3	3.0	2.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	2.0	0.0	3.0	1.0	1.0	1.0
CO4	3.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	3.0	0.0	3.0	1.0	1.0	1.0
CO5	3.0	3.0	3.0	3.0	2.0	2.0	0.0	2.0	0.0	3.0	0.0	3.0	1.0	1.0	1.0
PROJECT PHASE I - CED415															
CO1	2.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0
CO2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	2.0	1.0	3.0	3.0	3.0
CO3	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	2.0	2.0	3.0	2.0	3.0	3.0	3.0
CO4	3.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	3.0	1.0	1.0	3.0	3.0	3.0
INDUSTRIAL SAFETY ENGINEERING - MCN401															
CO1	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0
CO2	2.0	1.0	2.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0
CO3	2.0	2.0	2.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	2.0	0.0
CO4	2.0	2.0	2.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	2.0	0.0
CO5	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	2.0	0.0
Energy Management - EET455															
CO1	2.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	2.0	1.0	0.0	1.0	0.0	1.0	0.0
CO2	2.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0
CO3	2.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO4	2.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO5	2.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
STRUCTURAL ANALYSIS - II - CET302															
CO1	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO2	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0
CO3	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
CO4	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
CO5	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0
CO6	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
ENVIRONMENTAL ENGINEERING - CET 304															
CO1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
CO2	0.0	2.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0



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CO3	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
CO4	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
DESIGN OF HYDRAULIC STRUCTURES - CET306															
CO1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO2	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO3	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO4	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
ADVANCED CONCRETE TECHNOLOGY - CET352															
CO1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO2	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO3	3.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Industrial Economics & Foreign Trade - HUT 300															
CO1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	1.0	0.0
CO2	2.0	2.0	0.0	0.0	2.0	2.0	3.0	0.0	0.0	0.0	3.0	0.0	2.0	1.0	0.0
CO3	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	1.0	1.0
CO4	2.0	2.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	1.0	1.0
CO5	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	1.0	1.0
COMPREHENSIVE COURSE WORK - CET308															
CO1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO2	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO3	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO4	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
TRANSPORTATION ENGINEERING LAB - CEL332															
CO 1	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
CO 2	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
CO 3	3.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
CO 4	1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
CO 5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
CIVIL ENGINEERING SOFTWARE LAB - CEL 334															
CO1	3.0	2.0	2.0	2.0	1.0	3.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	1.0
CO2	3.0	2.0	2.0	2.0	1.0	3.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	1.0
CO3	3.0	2.0	2.0	2.0	1.0	3.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	1.0
STRUCTURAL ANALYSIS - I - CET301															
CO1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO2	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO3	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO4	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO6	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
DESIGN OF CONCRETE STRUCTURES - CET303															
CO1	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO2	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO3	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO4	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO5	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0

GEOTECHNICAL ENGINEERING - II - CET 305

CO 1	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO 2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO 3	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO 4	3.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
CO 5	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0

HYDROLOGY & WATER RESOURCES ENGINEERING - CET 307

CO1	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
CO2	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
CO3	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
CO4	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
CO5	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0

CONSTRUCTION TECHNOLOGY AND MANAGEMENT - CET309

CO1	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
CO2	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
CO3	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
CO4	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
CO5	3.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	3.0	3.0	2.0	2.0	0.0
CO6	3.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0	2.0	1.0	3.0	3.0	2.0	3.0	0.0

DISASTER MANAGEMENT - MCN 301

CO1	2.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	2.0	1.0	1.0	1.0
CO2	2.0	3.0	2.0	0.0	0.0	2.0	3.0	0.0	0.0	3.0	0.0	2.0	1.0	1.0	1.0
CO3	2.0	3.0	3.0	2.0	0.0	2.0	3.0	0.0	0.0	2.0	0.0	2.0	1.0	1.0	1.0
CO4	2.0	3.0	3.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	2.0	1.0	1.0	1.0
CO5	2.0	3.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	2.0	1.0	1.0	1.0
CO6	2.0	3.0	0.0	0.0	0.0	2.0	3.0	3.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0

MATERIAL TESTING LAB II - CEL331

CO 1	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0
CO 2	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0
CO3	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0

GEOTECHNICAL ENGINEERING LAB - CEL 333

CO1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	3.0	0.0	0.0
CO2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	3.0	0.0	0.0
CO3	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	3.0	0.0	0.0
CO4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	3.0	0.0	0.0
CO5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	3.0	0.0	0.0
CO6	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	3.0	0.0	0.0

PROBABILITY, STATISTICS AND NUMERICAL METHODS - MAT202

CO1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
CO5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

ENGINEERING GEOLOGY - CET202

CO1	2.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO4	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Handwritten signature

CO5	3.0	1.0	3.0	0.0	0.0	3.0	3.0	2.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0
GEOTECHNICAL ENGINEERING – I - CET204															
CO 1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO 2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO 3	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0
CO 4	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0
CO 5	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
TRANSPORTATION ENGINEERING - CET206															
CO1	3.0	3.0	3.0	1.0	0.0	1.0	3.0	1.0	0.0	2.0	0.0	1.0	1.0	1.0	0.0
CO2	3.0	1.0	3.0	1.0	0.0	1.0	1.0	1.0	0.0	1.0	0.0	1.0	1.0	2.0	0.0
CO3	3.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	2.0	1.0	2.0	0.0
CO4	2.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	2.0	1.0	2.0	0.0
CO5	3.0	3.0	3.0	0.0	0.0	3.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0
DESIGN & ENGINEERING - EST200															
CO 1	2.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0
CO 2	0.0	2.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0
CO 3	0.0	0.0	2.0	0.0	0.0	1.0	1.0	0.0	2.0	2.0	0.0	1.0	1.0	0.0	0.0
CONSTITUTION OF INDIA - MCN202															
CO 1	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
CO 2	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	0.0	3.0	0.0	0.0	0.0	1.0	0.0
CO 3	0.0	0.0	0.0	0.0	0.0	3.0	2.0	3.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
CO 4	0.0	0.0	0.0	0.0	0.0	3.0	2.0	3.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
CO 5	0.0	0.0	0.0	0.0	0.0	3.0	2.0	3.0	0.0	3.0	0.0	0.0	0.0	1.0	0.0
CO 6	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
MATERIAL TESTING LAB- I - CEL202															
CO 1	3.0	2.0	2.0	2.0	1.0	3.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	1.0
CO 2	3.0	2.0	2.0	2.0	1.0	3.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	1.0
CO3	3.0	2.0	2.0	2.0	1.0	3.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0	0.0	1.0
FLUID MECHANICS LAB - CEL204															
CO 1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
CO 2	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
CO 3	3.0	3.0	0.0	2.0	0.0	0.0	0.0	2.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0
CO 4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0
PARTIAL DIFFERENTIAL EQUATION AND COMPLEX ANALYSIS - MAT201															
CO1	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0
CO2	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0
CO3	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0
CO4	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0
CO5	3.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0
MECHANICS OF SOLIDS - CET201															
CO1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0
CO2	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	3.0
CO3	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.0
CO4	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	1.0
CO5	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0
CO6	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	3.0
FLUID MECHANICS & HYDRAULICS - CET203															
CO1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0

CO2	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
CO3	3.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0
CO4	3.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
CO5	3.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0

SURVEYING & GEOMATICS - CET205

CO1	3.0	3.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.0
CO2	3.0	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0
CO3	3.0	3.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	1.0	3.0
CO4	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
CO5	3.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	1.0	3.0	3.0
CO6	3.0	0.0	0.0	2.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	1.0	2.0

PROFESSIONAL ETHICS - HUT200

CO 1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	1.0	1.0	1.0
CO 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
CO 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	1.0	1.0	1.0
CO 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0
CO 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0

SUSTAINABLE ENGINEERING - MCN201

CO 1	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO 2	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO 3	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO 4	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
CO 5	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0

CIVIL ENGINEERING PLANNING & DRAFTING LAB - CEL201

CO 1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.0	0.0	0.0	1.0	1.0	2.0
CO 2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.0	0.0	0.0	2.0	3.0	3.0
CO3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.0	0.0	0.0	2.0	1.0	3.0
CO 4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	3.0	0.0	0.0	1.0	1.0	0.0

SURVEY LAB - CEL203

CO 1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	1.0	1.0
CO 2	3.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
CO 3	3.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	2.0	1.0
CO 4	3.0	0.0	0.0	1.0	3.0	0.0	0.0	1.0	2.0	0.0	0.0	2.0	0.0	3.0	3.0
CO 5	3.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	1.0	3.0

VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS - MAT 102

CO1	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
CO2	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
CO3	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
CO4	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
CO5	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0

ENGINEERING GRAPHICS - EST 110

CO1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0
CO2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0
CO3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0
CO4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.0	3.0	0.0
CO5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	3.0	3.0	0.0
CO6	3.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	3.0	0.0

BASICS OF CIVIL & MECHANICAL ENGINEERING - EST 120

PRINCIPAL

CO1	3.0	0.0	0.0	0.0	0.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0
CO2	3.0	2.0	0.0	1.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	2.0	1.0
CO3	3.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	2.0	1.0
CO4	3.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	2.0	0.0
CO5	3.0	2.0	0.0	0.0	3.0	2.0	3.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	0.0
CO6	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO7	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO8	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO9	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO10	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO11	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROFESSIONAL COMMUNICATION - HUN 102

CO1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	0.0	0.0
CO2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0	0.0	0.0
CO3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	3.0	0.0	0.0	1.0	0.0	0.0
CO4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0	0.0	1.0
CO5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0
CO6	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	3.0	0.0	0.0	0.0	1.0	0.0

PROGRAMING IN C - EST 102

CO1	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0
CO2	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0
CO3	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0
CO4	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0
CO5	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0
CO6	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0

ENGINEERING PHYSICS LAB - PHL 120

CO1	3.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.0	1.0	1.0
CO2	3.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	1.0	0.0	0.0
CO3	3.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0
CO4	3.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.0	0.0	1.0
CO5	3.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.0	0.0	1.0

CIVIL & MECHANICAL WORKSHOP - ESL 120

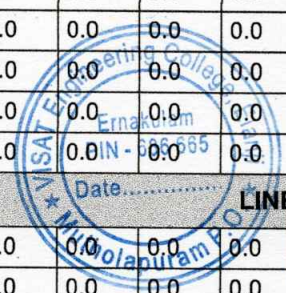
CO1	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	2.0	1.0
CO2	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	1.0	1.0
CO3	1.0	0.0	0.0	0.0	1.0	1.0	0.0	2.0	2.0	2.0	1.0	0.0	2.0	2.0	1.0
CO4	1.0	0.0	0.0	0.0	1.0	1.0	0.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	1.0
CO5	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	2.0	2.0	0.0	1.0	2.0	1.0	1.0
CO6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
CO7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
CO8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0

ENGINEERING PHYSICS B (FOR NON-CIRCUIT BRANCHES) - PHT 110

CO1	3.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.0	1.0	0.0
CO2	3.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.0	1.0	0.0
CO3	3.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	1.0	0.0	0.0
CO4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	1.0	1.0	1.0
CO5	3.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0

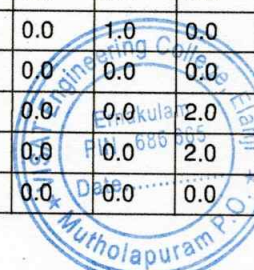
LINEAR ALGEBRA AND CALCULUS - MAT 101

CO1	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
CO2	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0



Handwritten signature/initials in blue ink.

CO3	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
CO4	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
CO5	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
LIFE SKILLS - HUN 101															
CO1	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	2.0	2.0	1.0	3.0	0.0	0.0	0.0
CO2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0	0.0
CO3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	3.0	0.0	0.0	2.0	0.0	0.0
CO4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0	2.0	0.0
CO5	0.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
CO6	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
ENGINEERING CHEMISTRY - CYT 100															
CO1	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
CO2	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
CO3	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
CO4	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
CO5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0
ENGINEERING MECHANICS - EST 100															
CO1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO2	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO3	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO4	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO5	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING - EST 130															
CO1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
CO3	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
CO4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO5	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
CO6	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENGINEERING CHEMISTRY LAB - CYL 120															
CO1	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
CO2	3.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
CO3	3.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
CO4	3.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
CO5	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
CO6	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
ELECTRICAL & ELECTRONICS WORKSHOP - ESL 130															
CO1	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	0.0	0.0
CO2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
CO3	2.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	2.0	2.0	0.0	2.0	3.0	0.0	1.0
CO4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0
CO5	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0
CO6	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	0.0	0.0
CO7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	2.0	3.0	0.0	1.0



(Handwritten Signature)

PRINCIPAL
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