Course Number and Name

BMA701 & OPERATIONS RESEARCH FOR ENGINEERS

Credits and Contact Hours

4 & 60

Course Coordinator's Name

Dr.Ramya

Course Description

To impart knowledge about various tools in Operations Research to apply and solve real life problems in Engineering.

Prerequisites	Co-requisites
Numerical Methods	Nil

required, elective, or selected elective (as per Table 5-1)
Required

Course Outcomes (COs)

CO1: Apply linear programming model and assignment model to domain specific situations.
CO2: Analyze the various methods under transportation model and apply the model for testing the closeness of their results to optimal results.
CO3: Apply the concepts of PERT and CPM for decision making and optimally managing projects
CO4: Analyze the various replacement and sequencing models and apply them for arriving at optimal decisions.
CO5: Analyze the inventory and queuing theories and apply them in domain specific situations

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H											M
CO2	L		M		L		M		M	H		
CO3					H			H				L
CO4		H	H					H	L	H		
CO5	M				H				M			H