



Course wise Teaching Plan for Session : Summer 2019

Course : AUTOMATED MANUFACTURING SYSTEM MODELING anil.sahu@raisoni.net - DR. ANIL RAMESHCHANDRA SAHU

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Unit – I : Introduction Modelling	03/12/2018	MCDL509	A
1	1	Unit – I : Modelling	04/12/2018	MCDL509	A
1	2	Automated Manufacturing Systems	05/12/2018	MCDL509	A
1	3	Performance Modelling Tools	08/12/2018	MCDL509	A
1	4	S-curve	10/12/2018	MCDL509	A
1	2	Simple numericals	11/12/2018	MCDL509	A
1	3	Simple numericals	12/12/2018	MCDL509	A
1	5	new product development	12/12/2018	MCDL509	A
1	6	Simple numerical	15/12/2018	MCDL509	A
2	7	Unit – II : Automated Manufacturing Systems : Introduction	17/12/2018	MCDL509	A
2	8	Manufacturing Systems	19/12/2018	MCDL509	A
2	9	Performance Measures	22/12/2018	MCDL509	A
2	4	Unit – II : Automated Manufacturing Systems	01/01/2019	MCDL509	A
2	10	Computer-Controlled Machines,	02/01/2019	MCDL509	A
2	11	Material Handling Systems	05/01/2019	MCDL509	A
2	12	Material Handling Systems	07/01/2019	MCDL509	A
2	5	Simple numericals	08/01/2019	MCDL509	A
2	13	Plant Layout	09/01/2019	MCDL509	A
2	14	Flexible Manufacturing Systems	14/01/2019	MCDL509	A
2	6	Simple numericals	15/01/2019	MCDL509	A
2	15	Flexible Manufacturing Systems	16/01/2019	MCDL509	A
2	16	Simple numericals	19/01/2019	MCDL509	A
3	17	Unit – III : Markov Chain Models	21/01/2019	MCDL509	A
3	7	Unit – III : Markov Chain Models	22/01/2019	MCDL509	A
3	18	Memory less Random Variables	23/01/2019	MCDL509	A



G H RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI PUNE

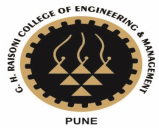
(An Autonomous Institute under UGC Act 1956 & Affiliated to Savitribai Phule Pune University)

Domkhel Road , GAT No.: 1200 Wagholi, Pune – 412207

Course wise Teaching Plan for Session : Summer 2019

Course : AUTOMATED MANUFACTURING SYSTEM MODELING anil.sahu@raisoni.net - DR. ANIL RAMESHCHANDRA SAHU

Unit	Topic Code	Topic Covered	Date	Course	Section
3	19	Stochastic Processes in Manufacturing	28/01/2019	MCDL509	A
3	8	Simple numericals.	29/01/2019	MCDL509	A
3	20	Discrete Time Markov Chain Models	30/01/2019	MCDL509	A
3	21	Continuous Time Markov Chain Models	02/02/2019	MCDL509	A
3	22	An Examples Markov Model of a Transfer Line	04/02/2019	MCDL509	A
4	32	Queues with General Distributions, Queues with Breakdowns	04/02/2019	MCDL509	A
3	9	Simple numericals.	05/02/2019	MCDL509	A
3	23	Birth and Death Processes in Manufacturing	06/02/2019	MCDL509	A
3	24	Time Reversible Markov Chains in Manufacturing,	09/02/2019	MCDL509	A
3	25	Semi-Markov Processes in Manufacturing	11/02/2019	MCDL509	A
3	10	Simple numericals.	12/02/2019	MCDL509	A
3	26	Simple numerical.	13/02/2019	MCDL509	A
4	27	Unit – IV : Queuing Models :Queues, Notation and Examples	16/02/2019	MCDL509	A
4	11	Unit – IV : Queuing Models :Queues, Notation and Examples	19/02/2019	MCDL509	A
4	28	The M/M/1 Queue	23/02/2019	MCDL509	A
4	29	The M/M/1 Queue	25/02/2019	MCDL509	A
4	12	Simple numericals.	26/02/2019	MCDL509	A
4	30	The M/M/m Queue	27/02/2019	MCDL509	A
4	31	Batch Arrival Queuing Systems,	02/03/2019	MCDL509	A
4	13	Simple numericals.	05/03/2019	MCDL509	A
4	34	Open Queuing Networks, Closed Queuing	09/03/2019	MCDL509	A
4	14	Simple numericals.	12/03/2019	MCDL509	A
4	33	Simple numerical s.	16/03/2019	MCDL509	A



Course wise Teaching Plan for Session : Summer 2019

Course : AUTOMATED MANUFACTURING SYSTEM MODELING Faculty: **anil.sahu@raisoni.net - DR. ANIL RAMESHCHANDRA SAHU**

Unit	Topic Code	Topic Covered	Date	Course	Section
4	35	Unit – V : Petri Net Models	18/03/2019	MCDL509	A
5	15	Unit – V : Petri Net Models	19/03/2019	MCDL509	A
5	36	Classical Petri Nets	20/03/2019	MCDL509	A
5	37	Stochastic Petri Nets	23/03/2019	MCDL509	A
5	38	Generalized Stochastic Petri Nets	25/03/2019	MCDL509	A
5	16	Simple numericals.	26/03/2019	MCDL509	A
5	39	GSPN Modeling of Kanban Systems,	27/03/2019	MCDL509	A
5	42	Integrated PRQN-GSPN Models	27/03/2019	MCDL509	A
5	40	Deadlock Analysis Using Petri Nets	30/03/2019	MCDL509	A