



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(A Unit of Alva's Education Foundation)
Shobhavana Campus, Mijar-574225, Moodbidri, D.K
Phone: 08258-262725, Fax: 08258-262726
Affiliated to VTU Belagavi and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka

ATTENDANCE BOOK

Academic Year : 2020-21
Semester : 8 Section : A
Period of the Semester : From 19/Apr/2020 to 20/July/2020
Subject with Code : System Modelling & Simulation [17CS834]
Name of the Faculty : Mr. Gayatri Kumar A. Rathod
Department : ESE

VISION OF THE INSTITUTE

"Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community"

MISSION OF THE INSTITUTE

- To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.
- To inculcate the best engineering practices through transformative education.
- To develop a knowledgeable individual for a dynamic industrial scenario.
- To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.

AIET	Lesson Plan & Execution			Format No.	ACD 08
				Issue No.	01
				Rev. No.	00
Name of the faculty		Mr. Jayankumar A. Rathod			
Semester and Section		8 "A"			
Date of Commencement		19/07/2021			
Last Working Day of the Semester		20/7/2021			
Source Materials List					
1. Discrete-Event-System Simulation		Jerry Bank, John S. Carson, Barry L. Nelson, David A. Dugdale			
2. Discrete-Event Simulation		Lawrence R. Stephen Park			
3. System Modeling & Simulation and Analysis		Averill, 4th edition.			
4. 4th edition					
5.					
Subject Name					
Period	Plan			Execution	
	Date	Topics to be covered	Source Material needed	Topics Covered	Date
	29/4	Introduction: when simulation is the appropriate and when it is not			
	30/4	advantages and disadvantages of simulation: areas of application			
	3/5	System and system environment; components of a system;			
	4/5	Discrete and continuous system, Model of a system; Types of models,			

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
6	6/5	Discrete-Event System Simulation examples		"	"	
	10/5	Simulation of queuing system. General principles, simulation		"	"	
	11/5	Concepts in discrete-Event Simulation. Event-Scheduling		"	"	
	13/5	Time-Advance algorithm, manual simulation using Event Scheduling		"	"	
	17/5	Statistical models in Simulation: Review of terminology		"	"	
	18/5	Useful statistical models, discrete distributions		"	"	
	20/5	Continuous distributions, poisson process Empirical distribution		"	"	
	21/5	Queuing Models: characteristics of queuing systems,		"	"	
	25/5	Long-run measures of performance. Queuing notations.		"	"	
	26/5	Long-run measures of performance of queuing systems.		"	"	
	28/5	Steady-state behaviour of M/G/1 Queue,		"	"	
	29/5	Networks of Queues.		"	"	
	1/6	Random- Number Generation		"	"	

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
	2/6	Properties of random numbers		"	"	
	9/6	Generation of pseudo-random numbers		"	"	
	10/6	Techniques for generating random numbers		"	"	
	11/6	Tests for Random numbers		"	"	
	14/6	Random-Variate Generation		"	"	
	16/6	Inverse transform technique		"	"	
	23/6	Acceptance-Rejection technique		"	"	
	24/6	Input Modeling: Data collection		"	"	
	25/6	Identifying the distribution with data		"	"	
	28/6	Parameter estimation, Goodness of fit tests,		"	"	
	29/6	Fitting a non-stationary poisson process		"	"	
	30/6	Selecting input models without data, multivariate		"	"	
	1/7	Time-Series input models. Estimation of absolute performance.		"	"	

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
	2/7	Types of Simulations with respect to output analyses		"	"	
	5/7	Stochastic nature of output data, measures of performance and their estimation.		"	"	
	7/7	measures of performance and their estimation.		"	"	
	8/7	output analysis for terminating simulations continued.		"	"	
	12/7	output analysis for steady-state simulations.		"	"	
	13/7	Verification, calibration and validation: Optimization: Model building,		"	"	
	14/7	Verification and validation,		"	"	
	15/7	Verification of simulation models calibration and validation		"	"	
	16/7	Optimization via		"	"	
	19/7	Simulation.		"	"	
	20/7			"	"	
				"	"	
				"	"	

Others	Planned	Actual	Remarks :
Special Classes	00	00	Completed
Tutorials	00	00	Completed
Assignments	03	03	"
Seminars			
IA Tests	03	03	"
Portions Covered in the entire Semester			
Course Effectiveness			
Students Feedback	Yes		
Students Response			
Result	No. of Students AP	No. of Students Passed	% of Result
	46	46	100
<i>Jan</i> Faculty in Charge <i>Sachin</i> HOD's Signature Signature of Principal (& Remarks if any)			

Online - Attendance sheet - 8th Sem 2020-21 SMS(17GS834)

SN	USN	NAME	29/4	30/4	3-5	4-5	6-5	10-5	11-5	13/5	17/5	18/5	20/5	21/5	25/5	26/5	28/5
1	4AL15IS014	MANTHAN A.B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	4AL15IS028	PRATHIKSHA PATKAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	4AL15IS034	REKHA HALLI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	4AL16IS004	ANJU D R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	4AL16IS022	KEERTHANA S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6	4AL16IS058	VARADA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7	4AL16IS064	MAHIMA R	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14
8	4AL17IS001	AHIMSA JAIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
9	4AL17IS002	AKSHATA L HEGDE	1	A	A	A	A	2	3	4	5	6	7	8	9	10	11
10	4AL17IS003	AKSHATHA A M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	4AL17IS004	AKSHITA A POOJARY	1	2	A	A	A	3	4	5	6	7	8	9	10	11	12
12	4AL17IS005	ALBIN GEORGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A
13	4AL17IS006	AMIN VISHAK DINESH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14	4AL17IS007	ANJALI C J	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13
15	4AL17IS009	ASHWINI	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14
16	4AL17IS010	ASHWITHA R SALIAN	A	1	A	2	3	4	5	6	7	8	9	10	11	12	13
17	4AL17IS012	DANUSH KUMAR	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14
18	4AL17IS014	DIKSHIT GOVIND KOTIAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
19	4AL17IS015	DIVYASHREE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20	4AL17IS016	GANGOTHRI N V	1	A	2	A	3	4	5	6	7	8	9	10	11	12	13
21	4AL17IS021	KARUNA N	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14
22	4AL17IS022	KAVYASHREE S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
23	4AL17IS023	KSHAMA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
24	4AL17IS024	KUNDER MAYURESH R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
25	4AL17IS025	LOKESH P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	4AL17IS026	MANISH R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
27	4AL17IS027	MELODY NAOREM	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13
28	4AL17IS028	METHISH R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
29	4AL17IS030	NANDA KISHORE V	1	2	A	3	4	5	6	7	8	9	10	11	12	13	A
30	4AL17IS031	NAVYA POOJARY	1	2	3	4	5	6	7	A	8	9	10	11	12	13	A

Faculty Name: Jayant Kumar A Rathod, Associate Professor

31	4AL17IS032	NIKITHA SHETTY	1	2	A	A	3	4	5	6	7	8	9	10	11	12	13
32	4AL17IS033	PAVAN Y N	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12
33	4AL17IS034	PRASHANTH REDDY C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
34	4AL17IS035	PRIYA	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14
35	4AL17IS036	RACHANA SHETTY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
36	4AL17IS037	RACHITHA SHETTY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
37	4AL17IS040	ROOPASHREE J	1	A	A	2	3	4	5	6	7	8	9	10	11	12	13
38	4AL17IS043	SHETTY RACHANA C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
39	4AL17IS045	SHREYAS H E	1	A	2	A	3	4	5	6	7	8	9	10	11	12	13
40	4AL17IS048	SRIHARI B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
41	4AL17IS050	T K HARSHITH PRASAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
42	4AL17IS051	T BIKUMAR SINGH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
43	4AL17IS053	ZEENAL MANOLA LOBO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
44	4AL17IS054	CHAITANYA B N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
45	4AL17IS055	NAGASHREE S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46	4AL17IS056	MELISHA D SOUZA	1	2	3	4	5	A	6	7	8	A	9	10	11	12	13

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29/5	1-6	2-6	9-6	10-6	11-6	14/6	16/6	23/6	24/6	25/6	28/6	29/6	30/6	1-7	2-7	5-7	7-7	8-7	12-7	13/7	14/7	15/7	16/7	19/7
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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A	A	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
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14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
13	14	15	16	A	17	18	19	20	21	A	22	23	24	25	26	27	28	29	30	31	32	33	34	35
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A	A	A	A	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
16	17	A	18	19	20	21	22	A	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38

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AIET	INTERNAL EXAM RESULT ANALYSIS					Format No. Issue No. Rev. No.		ACD 12 01 00	
Department	Information Science & Engineering					Semester		8	
						Subject Code		17CS834	
Total No. of Students						Academic Year		2020-21	
Test	Date	Number of Students				Signature		Remarks	
		Attended	0-12	13-20	21-30	Faculty	HOD		
T ₁	19/6/21	46	00	02	44	jay		Good	
T ₂	10/7/21	46	00	00	46	jay		Good	
T ₃	20/7/21	46	00	00	46	jay		Good	
T ₄									
T ₅									

Signature of Staff in charge

HOD's Signature