

ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTERS SCIENCE & ENGINEERING
LECTURE SCHEDULE

Subject: Artificial Intelligence

Academic Year : 2019-20

Name: P.V.Naga Srinivas

Year & Sem/Section: III-II SEM 'A'

No. of Lectures per week: 5+1* (Tutorial)

S. NO	DATE	UNITS	TOPICS
1	18/11/2019	I	Introduction ,history
2	19/11/2019		intelligent systems
3	19/11/2019		intelligent systems
4	21/11/2019		foundations of AI, applications
5	22/11/2019		tic-tac-toe game playing
6	23/11/2019		tic-tac-toe game playing
7	25/11/2019		development of AI languages
8	26/11/2019		current trends in AI
9	26/11/2019		TUTORIAL
10	28/11/2019		REVISION OF UNIT 1
11	29/11/2019		UNIT TEST -1
12	30/11/2019	II	state-space search and control strategies- :Introduction, general problem solving
13	02/12/2019		characteristics of problem, exhaustive searches
14	03/12/2019		heuristic search techniques
15	03/12/2019		TUTORIAL
16	05/12/2019		Iterative deepening a*
17	06/12/2019		constraint satisfaction
18	07/12/2019		Problem reduction and game playing: Introduction, problem reduction
19	09/12/2019		game playing
20	10/12/2019		alphabeta pruning
21	10/12/2019		TUTORIAL
22	12/12/2019		two-player perfect information games
23	13/12/2019	REVISION OF UNIT 2	
24	14/12/2019	UNIT TEST -2	
25	16/12/2019	III	Logic concepts: Introduction,propositional calculus
26	17/12/2019		proportional logic
27	17/12/2019		TUTORIAL
28	19/12/2019		natural deduction system
29	20/12/2019		axiomatic system,
30	21/12/2019		semantic tableau system in proportional logic
31	23/12/2019		semantic tableau system in proportional logic
32	26/12/2019		resolution refutation in proportional logic
33	27/12/2019		resolution refutation in proportional logic
34	28/12/2019		predicate logic
35	30/12/2019		predicate logic
36	31/12/2019	TUTORIAL	
37	31/12/2019	REVISION OF UNIT 3	
38	02/01/2020	REVISION FOR MID I	
39	03/01/2020	REVISION FOR MID I	
40	04/01/2020	REVISION FOR MID I	
41	06/01/2020	REVISION FOR MID I	
42	07/01/2020	REVISION FOR MID I	
43	07/01/2020	REVISION FOR MID I	
44	09/01/2020	REVISION FOR MID I	
45	10/01/2020	REVISION FOR MID I	
46	13/01/2020	REVISION FOR MID I	
47	18/01/2020	REVISION FOR MID I	
48	20/01/2020	REVISION FOR MID I	

49	21/01/2020		REVISION FOR MID I	
50	21/01/2020		REVISION FOR MID I	
51	23/01/2020		REVISION FOR MID I	
52	24/01/2020	IV	Knowledge representation: Introduction, approaches to knowledge representation	
53	25/01/2020		knowledge representation using semantic network	
54	27/01/2020		extended semantic networks for KR	
55	28/01/2020		knowledge representation using frames	
56	28/01/2020		TUTORIAL	
57	30/01/2020		advanced knowledge representation techniques: Introduction	
58	31/01/2020		conceptual dependency theory	
59	01/02/2020		script structure	
60	03/02/2020		cyc theory	
61	04/02/2020		case grammars	
62	04/02/2020		TUTORIAL	
63	06/02/2020		semantic web	
64	07/02/2020		REVISION OF UNIT 4	
65	10/02/2020		UNIT TEST -3	
66	11/02/2020	V	Expert system and applications: Introduction, phases in building expert systems	
67	11/02/2020		TUTORIAL	
68	14/02/2020		expert system versus traditional systems	
69	15/02/2020		rule-based expert systems	
70	17/02/2020		rule-based expert systems	
71	18/02/2020		blackboard systems	
72	18/02/2020		blackboard systems	
73	20/02/2020		truth maintenance systems	
74	21/02/2020		application of expert systems	
75	22/02/2020		list of shells and tools	
76	25/02/2020		REVISION OF UNIT 5	
77	25/02/2020		TUTORIAL	
78	27/02/2020		UNIT TEST -4	
79	28/02/2020		VI	Uncertainty measure: probability theory: Introduction, probability theory
80	29/02/2020	Bayesian belief networks		
81	02/03/2020	certainty factor theory		
82	03/03/2020	dempster-shafer theory		
83	03/03/2020	TUTORIAL		
84	05/03/2020	Fuzzy sets and fuzzy logic: Introduction		
85	06/03/2020	fuzzy sets, fuzzy set operations,		
86	07/03/2020	types of membership functions, multi valued logic		
87	10/03/2020	fuzzy logic,		
88	10/03/2020	linguistic variables and hedges,		
89	12/03/2020	fuzzy propositions,		
90	13/03/2020	inference rules for fuzzy propositions, fuzzy systems		
91	16/03/2020			REVISION
92	17/03/2020			REVISION
93	18/03/2020		REVISION	
94	24/03/2020		REVISION	
95	26/03/2020		REVISION	
96	27/03/2020		REVISION	
97	28/03/2020		REVISION	
98	30/03/2020		REVISION	

Text Books	
1	Artificial Intelligence- Saroj Kaushik, CENGAGE Learning
2	Artificial intelligence, A modern Approach , 2nded, Stuart Russel, Peter Norvig, PEA
3	Artificial Intelligence- Rich, Kevin Knight, Shiv Shankar B Nair, 3rded, TMH
4	Introduction to Artificial Intelligence, Patterson, PHI
References	
1	Introduction to Artificial Intelligence, Ertel, Wolf Gang, Springer

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ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTERS SCIENCE & ENGINEERING
LECTURE SCHEDULE

Subject: Artificial Intelligence

Academic Year : 2019-20

Name: P.V.Naga Srinivas

Year & Sem/Section: III-II SEM 'B'

No. of Lectures per week: 5+1* (Tutorial)

S. NO	DATE	UNITS	TOPICS
1	19/11/2019	I	Introduction ,history
2	20/11/2019		intelligent systems
3	21/11/2019		intelligent systems
4	22/11/2019		foundations of AI, applications
5	23/11/2019		tic-tac-toe game playing
6	23/11/2019		tic-tac-toe game playing
7	26/11/2019		development of AI languages
8	27/11/2019		current trends in AI
9	28/11/2019		REVISION OF UNIT 1
10	29/11/2019		UNIT TEST -1
11	30/11/2019	II	state-space search and control strategies- :Introduction, general problem solving
12	30/11/2019		TUTORIAL
13	03/12/2019		characteristics of problem, exhaustive searches
14	04/12/2019		heuristic search techniques
15	05/12/2019		Iterative deepening a*
16	06/12/2019		constraint satisfaction
17	07/12/2019		Problem reduction and game playing: Introduction, problem reduction
18	07/12/2019		TUTORIAL
19	10/12/2019		game playing
20	11/12/2019		alphabeta pruning
21	12/12/2019		two-player perfect information games
22	13/12/2019		REVISION OF UNIT 2
23	14/12/2019		UNIT TEST -2
24	14/12/2019	III	Logic concepts: Introduction,propositional calculus
25	17/12/2019		proportional logic
26	18/12/2019		natural deduction system
27	19/12/2019		axiomatic system,
28	20/12/2019		semantic tableau system in proportional logic
29	21/12/2019		semantic tableau system in proportional logic
30	21/12/2019		TUTORIAL
31	26/12/2019		resolution refutation in proportional logic
32	27/12/2019		resolution refutation in proportional logic
33	28/12/2019		predicate logic
34	28/12/2019		TUTORIAL
35	31/12/2019		predicate logic
36	01/01/2020		REVISION OF UNIT 3
37	02/01/2020		REVISION FOR MID I
38	03/1/2020		REVISION FOR MID I
39	04/01/2020	REVISION FOR MID I	
40	04/01/2020	TUTORIAL	
41	07/01/2020	REVISION FOR MID I	
42	08/01/2020	REVISION FOR MID I	
43	09/01/2020	REVISION FOR MID I	
44	10/01/2020	REVISION FOR MID I	
45	18/01/2020	REVISION FOR MID I	
46	18/01/2020	REVISION FOR MID I	
47	21/01/2020	REVISION FOR MID I	
48	22/01/2020	REVISION FOR MID I	

49	23/01/2020		REVISION FOR MID I	
50	24/01/2020	IV	Knowledge representation: Introduction, approaches to knowledge representation	
51	25/01/2020		knowledge representation using semantic network	
52	25/01/2020		TUTORIAL	
53	28/01/2020		extended semantic networks for KR	
54	29/01/2020		knowledge representation using frames	
55	30/01/2020		advanced knowledge representation techniques: Introduction	
56	31/01/2020		conceptual dependency theory	
57	01/02/2020		script structure	
58	01/02/2020		TUTORIAL	
59	04/02/2020		cyc theory	
60	05/02/2020		case grammars	
61	06/02/2020		semantic web	
62	07/02/2020		REVISION OF UNIT 4	
63	11/02/2020		UNIT TEST -3	
64	12/02/2020		V	Expert system and applications: Introduction, phases in building expert systems
65	13/02/2020			expert system versus traditional systems
66	14/02/2020	rule-based expert systems		
67	15/02/2020	rule-based expert systems		
68	15/02/2020	TUTORIAL		
69	18/02/2020	blackboard systems		
70	19/02/2020	blackboard systems		
71	20/02/2020	truth maintenance systems		
72	21/02/2020	application of expert systems		
73	22/02/2020	list of shells and tools		
74	22/02/2020	TUTORIAL		
75	25/02/2020	REVISION OF UNIT 5		
76	26/02/2020	UNIT TEST -4		
77	27/02/2020	VI	Uncertainty measure: probability theory: Introduction, probability theory	
78	28/02/2020		Bayesian belief networks	
79	29/02/2020		certainty factor theory	
80	29/02/2020		TUTORIAL	
81	03/03/2020		dempster-shafer theory	
82	04/03/2020		Fuzzy sets and fuzzy logic: Introduction	
83	05/03/2020		fuzzy sets, fuzzy set operations,	
84	06/03/2020		types of membership functions, multi valued logic	
85	07/03/2020		fuzzy logic,	
86	07/03/2020		TUTORIAL	
87	10/03/2020		linguistic variables and hedges	
88	11/03/2020		fuzzy propositions,	
89	12/03/2020		inference rules for fuzzy propositions, fuzzy systems	
90	13/03/2020		REVISION	
91	17/03/2020	REVISION		
92	18/03/2020	REVISION		
93	19/03/2020	REVISION		
94	20/03/2020	REVISION		
95	21/03/2020	REVISION		
96	21/03/2020	REVISION		
97	24/03/2020	REVISION		
98	26/03/2020	REVISION		
99	27/03/2020	REVISION		
100	28/03/2020	REVISION		
101	28/03/2020	REVISION		

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1	Artificial Intelligence- Saroj Kaushik, CENGAGE Learning
2	Artificial intelligence, A modern Approach , 2nded, Stuart Russel, Peter Norvig, PEA
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4	Introduction to Artificial Intelligence, Patterson, PHI
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DEPARTMENT OF COMPUTERS SCIENCE & ENGINEERING
LECTURE SCHEDULE

Subject: Artificial Intelligence

Academic Year : 2019-20

Name: P.V.Naga Srinivas

Year & Sem/Section: III-II SEM 'C'

No. of Lectures per week: 5+1* (Tutorial)

S. NO	DATE	UNITS	TOPICS
1	18-Nov-19	I	Introduction ,history
2	19-Nov-19		intelligent systems
3	20-Nov-19		intelligent systems
4	21-Nov-19		foundations of AI, applications
5	22-Nov-19		tic-tac-toe game playing
6	23-Nov-19		tic-tac-toe game playing
7	25-Nov-19		development of AI languages
8	26-Nov-19		current trends in AI
9	27-Nov-19		REVISION OF UNIT 1
10	28-Nov-19		UNIT TEST -1
11	29-Nov-19	II	state-space search and control strategies- :Introduction, general problem solving
12	30-Nov-19		TUTORIAL
13	02-Dec-19		characteristics of problem, exhaustive searches
14	03-Dec-19		heuristic search techniques
15	04-Dec-19		Iterative deepening a*
16	05-Dec-19		constraint satisfaction
17	06-Dec-19		Problem reduction and game playing: Introduction, problem reduction
18	07-Dec-19		TUTORIAL
19	09-Dec-19		game playing
20	10-Dec-19		alphabeta pruning
21	11-Dec-19		two-player perfect information games
22	12-Dec-19		REVISION OF UNIT 2
23	13-Dec-19		UNIT TEST -2
24	14-Dec-19	III	TUTORIAL
25	16-Dec-19		Logic concepts: Introduction,propositional calculus
26	17-Dec-19		proportional logic
27	18-Dec-19		natural deduction system
28	19-Dec-19		axiomatic system,
29	20-Dec-19		semantic tableau system in proportional logic
30	21-Dec-19		TUTORIAL
31	23-Dec-19		semantic tableau system in proportional logic
32	26-Dec-19		resolution refutation in proportional logic
33	27-Dec-19		resolution refutation in proportional logic
34	28-Dec-19		TUTORIAL
35	30-Dec-19		predicate logic
36	31-Dec-19		predicate logic
37	01-Jan-20		REVISION FOR MID I
38	02-Jan-20	REVISION FOR MID I	
39	03-Jan-20	REVISION FOR MID I	
40	04-Jan-20	TUTORIAL	
41	06-Jan-20	REVISION FOR MID I	
42	07-Jan-20	REVISION FOR MID I	
43	08-Jan-20	REVISION FOR MID I	

44	09-Jan-20	IV	Knowledge representation: Introduction, approaches to knowledge representation
45	10-Jan-20		knowledge representation using semantic network
46	13-Jan-20		extended semantic networks for KR
47	18-Jan-20		TUTORIAL
48	20-Jan-20		knowledge representation using frames
49	21-Jan-20		advanced knowledge representation techniques: Introduction
50	22-Jan-20		conceptual dependency theory
51	23-Jan-20		script structure
52	24-Jan-20		cyc theory
53	25-Jan-20		TUTORIAL
54	27-Jan-20		case grammars
55	28-Jan-20		semantic web
56	29-Jan-20		REVISION OF UNIT 4
57	30-Jan-20		UNIT TEST -3
58	31-Jan-20	V	Expert system and applications: Introduction, phases in building expert systems
59	01-Feb-20		TUTORIAL
60	03-Feb-20		expert system versus traditional systems
61	04-Feb-20		rule-based expert systems
62	05-Feb-20		rule-based expert systems
63	06-Feb-20		blackboard systems
64	07-Feb-20		blackboard systems
65	10-Feb-20		truth maintenance systems
66	11-Feb-20		application of expert systems
67	12-Feb-20		list of shells and tools
68	13-Feb-20		REVISION OF UNIT 5
69	14-Feb-20		UNIT TEST -4
70	15-Feb-20	VI	TUTORIAL
71	17-Feb-20		Uncertainty measure: probability theory: Introduction, probability theory
72	18-Feb-20		Bayesian belief networks
73	19-Feb-20		certainty factor theory
74	20-Feb-20		dempster-shafer theory
75	21-Feb-20		Fuzzy sets and fuzzy logic: Introduction
76	22-Feb-20		TUTORIAL
77	25-Feb-20		fuzzy sets, fuzzy set operations,
78	26-Feb-20		types of membership functions, multi valued logic
79	27-Feb-20		fuzzy logic, fuzzy propositions,
80	28-Feb-20		linguistic variables and hedges,
81	29-Feb-20		TUTORIAL
82	02-Mar-20		inference rules for fuzzy propositions
83	03-Mar-20		fuzzy systems
84	04-Mar-20		REVISION
85	05-Mar-20	REVISION	
86	06-Mar-20	REVISION	
87	07-Mar-20	REVISION	
88	10-Mar-20	REVISION	
89	11-Mar-20	REVISION	
90	12-Mar-20	REVISION	
91	13-Mar-20	REVISION	
92	16-Mar-20	REVISION	
93	17-Mar-20	REVISION	
94	18-Mar-20	REVISION	

95	19-Mar-20		REVISION
96	20-Mar-20		REVISION
97	21-Mar-20		REVISION
98	23-Mar-20		REVISION
99	24-Mar-20		REVISION
100	26-Mar-20		REVISION
101	27-Mar-20		REVISION
102	28-Mar-20		REVISION
103	30-Mar-20		REVISION

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