		CS 302	// 633 Artificial Intelligence			
			Winter 2021-22			
l ink to	o Notes					
		https://github.com/pratikiiitv/cs	302			
Codes Repository		https://github.com/pratikiiitv/gr				
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	us Videos	https://drive.google.com/drive/	folders/1bLlwEgwPO1UXTsurlUTSNISpCOaXAG	GC2usn=sha	ring	
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Lecture	Date	Topics Covered	Link to Video	Duration (Minutes)	References	Additional Resources
1	17/01/2022	Introduction	https://drive.google.com/file/d/1_O-p9xKLppYXA ltyT-Yd3tM7gtKaS-81/view?usp=sharing	56	RN, DK	L3.0, GEB, MA
			https://drive.google.com/file/d/1SQAn-2eaCqSQ GrDQkSh8xSXPIJjTJ3SS/view?usp=sharing	53		
2	18/01/2022	State Space Search - I (Infrastructure)	https://drive.google.com/file/d/19js7Wr_7hk6nz_ 4eoao6KFkpL_92C0Wu/view?usp=sharing	61	RN, DK	
			https://drive.google.com/file/d/1di7Qy-JtT_v_Ca TxZvpN2bVEmB-a7usn/view?usp=sharing	47		
3	20/01/2022	State Space Search - II (Uninformed)	https://drive.google.com/file/d/1c8JOI1ZIEyyBuUQOIZSmUqjPDI6kA2zF/view?usp=sharing		RN, DK	
			https://drive.google.com/file/d/1WFWqyQJSqZ8r qQoax4mVOcRvz574krwj/view?usp=sharing			
4	24/01/2022	State Space Search - III (Uninformed, Informed)	https://drive.google.com/file/d/1cZBmAmM_KcR Hn67lRbXrYyh6k19oG4yO/view?usp=sharing	51	RN, DK	
			https://drive.google.com/file/d/19m8oYzXc2WEx Zt7veJrmW8EuXZXQbypA/view?usp=sharing	43		
5	25/01/2022	State Space Search - IV (Informed)	https://drive.google.com/file/d/16gtQwEt6kfCBdh VGYB9dxxKkUP1suWnr/view?usp=sharing		RN, DK	
			https://drive.google.com/file/d/1gNwPrt9MdoO2l kWzN0eJfmLzsvztKp8J/view?usp=sharing	53		
6	27/01/2022	State Space Search - V (Informed, Optimality of A*,		56	RN, DK	https://www.sfu.ca/~jtmulhol/math302/notos/permutation-puzzles-book.pdf
		Heuristic design)	https://drive.google.com/file/d/10il_1kRuvk1-KZ9 VcwnbQ5xuweaXsHkP/view?usp=sharing			
7	31/1/2022	Simulated Annealing - I	https://drive.google.com/file/d/18037rOaZHUuh7 SKDK5mbwlQDNBl0CSRc/view?usp=sharing		RN, DK	Simulated annealing: From basics to applications Daniel Delahaye, Supatcha Chaimatanan, Marcel Mongeau
			https://drive.google.com/file/d/1pLqMGECf3n8rxl IKfDdgv-0ORJycbxzE/view?usp=sharing			
8	1/2/2022	Simulated Annealing - II	https://drive.google.com/file/d/1QGUqUm4KU73 TeooOx4F2BabwhJJubhiE/view?usp=sharing	47	RN, DK, +Ref	https://hal-enac.archives-ouvertes.fr/hal-0 887543/document
			https://drive.google.com/file/d/1uvPED9nRqAqy 3r5FWVeS-Dhx0iFdvayb/view?usp=sharing	50		
9	3/2/2022	MCMC and Genetic Algorithm (Left as an exercise, read reference)	https://drive.google.com/file/d/1MEMxIZXJKYqG cmVIIxV1oRbpf2Z7Yp0j/view?usp=sharing	56	RN, DK, +Ref	1) https://math.uchicago.edu/~shmuel/Network-course-readings/MCMCRev.pdf, 2)
		exercise, read reference)	https://drive.google.com/file/d/1H1lqEZkVvua0D Y7tnqZgwSP5opxOclL4/view?usp=sharing	43		https://www.cs.jhu.edu/~ayuille/courses/S at202C-Spring10/ga_tutorial.pdf
10	7/2/2022	Adversarial Search - I (Game Playing and Value Backup,	https://drive.google.com/file/d/1QwWbUyXR3j02 LBr-ps82By_lyY_jc6lH/view?usp=sharing	56	RN, DK	
		Minimax)	https://drive.google.com/file/d/1Ui0U4Z4vVZoHs 5-v6HLKPd3f_7EXvizH/view?usp=sharing	48		
11	8/2/2022	Adversarial Search - II (Alpha-Beta Pruning)	https://drive.google.com/file/d/1sh4fYjU0c0ARk9 MBf8N13txB260uuv37/view?usp=sharing	50	RN, DK	
40	40/0/0000	Advanced County W	https://drive.google.com/file/d/1ue5DK6UGzWWd2EgnF4RNk7lcHOkYbHn6/view?usp=sharing	50	DN DV	
12	10/2/2022	Adversarial Search - III	https://drive.google.com/file/d/1gYzLWvEkFUA JIKg-6tj_MelLV0t8RT/view?usp=sharing	53	RN, DK	
13	14/2/2022	Revisiting Probabilistic	https://drive.google.com/file/d/1tfYvhO4-Y3vbUC oaFP5etQedL7X0ZThj/view?usp=sharing https://drive.google.com/file/d/1gBx5LtKVNE6Pc	41 57	RN, DK +	webppl.org
13	17/2/2022	Inference (PPL) - I	KqTwltB0J16WFtv8PEy/view?usp=sharing https://drive.google.com/file/d/11jT0wxsKiOLbvB	49	Ref	πουργισιά
14	15/2/2022	Revisiting Probabilistic	AcTILJrpRqW1VG7QgO/view?usp=sharing https://drive.google.com/file/d/15U5wOjtkO oJ5	49	RN, DK +	
	10,2,2022	Inference (PPL) - II	WTeiUUmxfedv1GGgEfR/view?usp=sharing https://drive.google.com/file/d/1nW6KKS-Hbak8	56	Ref	
15	17/2/2022	Graphical Models - I (DGM)	zWcuHuXqjow7T0EbAJG9/view?usp=sharing https://drive.google.com/file/d/1mfJzimI7 3vjUr	52	RN, DK +	(1)
		, (2 3)	WqO8rixIZ1EvZB2zI9/view?usp=sharing https://drive.google.com/file/d/1mmoD76wI2Fzh	46	Ref	http://web.mit.edu/jmn/www/6.034/d-sepa ation.pdf (2)
			RL0DhpA5FW2RLUru_ekV/view?usp=sharing			https://ftp.cs.ucla.edu/pub/stat_ser/r116.p

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			18	24/2/2022	Graphical Models - IV (UGM)		54		(1) https://www.cise.ufl.edu/~anand/pdf/book
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