B.Tech in Computer Science Semester-VII
Course Name: Artificial Intelligence

	From	To	Theory: Topics and Description	References and readings	Practicals
Week-1	20-07-2016	23-07-2016	Introduction to Artifical Intelligence	Russell and Norvig; Patrick Winston; online and other resources as recommended	Most important hours, vital for the Course – Do not miss
Week-2	24-07-2016	30-07-2016	Intelligent Agents, Collaborative behaviour, Knowledge Representation	Russell and Norvig; Nilson	Programming in Prolog, Projects discussion
Week-3	01-08-2016	06-08-2016	Searching in large state spaces	Rich and Knight; Nilson	Programming in Prolog, Projects discussion
Week-4	08-08-2016	13-08-2016	Heuristic search, uncertainty, collaborative and adversarial search	Rich and Knight; Nilson	Programming in Prolog, Projects discussion
Week-5	16-08-2016	20-08-2016	First Order Predicate Logic	Rich and Knight; Nilson	Programming in Prolog, Projects discussion
Week-6	22-08-2016	27-08-2016	Concept Graphs and Knowledge Representation	Dan W. Patterson, John F Sowa	Programming in Prolog, Projects discussion
Week-7	29-08-2016	03-09-2016	Conceptual Dependencies and Knowledege Representation	Dan W. Patterson, Nilson	Programming in Prolog, Projects discussion
Week-8	04-09-2016	10-09-2016	Natural Language Processing	Dan W. Patterson	Programming in Prolog, Projects discussion
Week-9	12-09-2016	17-09-2016	Prolog Programming- logic programming paradigm	Clocksin; web resources (LPN: Blackburn et al)	Programming in Prolog, Projects discussion
Week-10	19-09-2016	24-09-2016	Perspectives to Complete Syllabus, problems and solutions	Several	Programming using Jade, Projects discussion
Week-11	26-09-2016	01-10-2016	Perspectives to Complete Syllabus, problems and solutions continued	Mixed, assorted, recommended	Programming using Jade, Projects discussion
Week-12	03-10-2016	08-10-2016	Using Jade, synthesis of solutions	Online Documentation of Jade	Programming using Jade, Projects discussion
Week-13	17-10-2016	22-10-2016	Problems and requests by students	As needed	Programming using Jade, Projects discussion
Week-14	24-10-2016	29-10-2016	Problems and requests by students, Class Presentations		Class Test on 26-10-2016
Week-15	31-10-2016	05-11-2016	Class Presentation of Semester Course Projects and discussion	Mixed, assorted, recommended	Class Presentation of Semester Course Projects and discussion
Week-16	07-11-2016	12-11-2016	Class Presentation of Semester Course Projects and discussion	Mixed, assorted, recommended	Class Presentation of Semester Course Projects and discussion
					Display of Internal Assessment on 10-11-2016