

Lesson Plan

II. B.Tech -IT-II Sem. (2013-14)

Subject: ML

Period	Date	Topic	Unit No.	Teaching Methodology
1,4	24/12/13	Application of ML, Well-posed problems	Unit – I	CR
3	26/12/13	Well-posed problems	Unit – I	CR
1,2	27/12/13	Designing learning system	Unit – I	CR
1,4	31/12/13	-----→ Do ←----- and issues in ML	Unit – I	CR
3	1/1/14	Inductive learning hypothesis	Unit – II	CR
3	2/01/14	Concept learning as a search	Unit – II	CR
1	3/01/14	-----→ Tutorial ←-----		CR
2	3/01/14	General to specific ordering and Find –S algorithm	Unit – II	CR
1	07/01/14	-----→ Tutorial ←-----		CR
4	07/01/14	Version spaces and maximally specific hypothesis	Unit – II	CR
3	08/01/14	-----→ Do ←-----		CR
3	09/01/14	Candidate elimination algorithm	Unit – II	CR
1	10/01/14	-----→ Tutorial ←-----		CR
4	10/01/14	Candidate elimination algorithm	Unit – II	CR
3	16/01/14	Remarks on version spaces and inductive bias	Unit – II	CR
1	17/01/14	-----→ Tutorial ←-----		CR
2	17/01/14	Decision tree representation and appropriate problems for decision tree	Unit – III	CR
1	21/01/14	-----→ Tutorial ←-----		CR
4	21/01/14	Bias in decision tree algorithm	Unit – III	CR
3	22/01/14	-----→ Do ←-----		CR
3	23/01/14	Hypothesis space search in decision tree learning	Unit – III	CR
1	24/01/14	-----→ Tutorial ←-----		CR
2	24/01/14	Hypothesis space search in decision tree learning and Issues in decision tree learning	Unit – III	CR
1	28/01/14	-----→ Tutorial ←-----		CR
4	28/01/14	Issues in decision tree learning	Unit – III	CR
3	29/01/14	Bayes theorem and concept learning	Unit – IV	CR
3	30/01/14	Maximum likely hood	Unit – IV	CR
1	31/01/14	-----→ Tutorial ←-----		CR
2	03/02/14	least squared error hypotheses	Unit – IV	CR
1	04/02/14	-----→ Tutorial ←-----		CR

4	04/02/14	Bayes optimal classifier	Unit – IV	CR
3	05/02/14	Naïve Bayes classifier	Unit – IV	CR
3	06/02/14	text classifier using Naïve Bayes	Unit – IV	CR
1	7/02/14	-----→ Tutorial ←-----		CR
2	07/02/14	Baye in belief network	Unit – IV	CR
1	18/02/14	-----→ Tutorial ←-----		CR
4	18/02/14	Introduction to PAC	Unit – V	CR
3	19/02/14	-----→ Do ←-----		CR
3	20/02/14	PAC hypothesis		CR
1	21/02/14	-----→ Tutorial ←-----		CR
2	21/02/14	Sample complexity for finite hypothesis space	Unit – V	CR
1	25/02/14	-----→ Tutorial ←-----		CR
4	25/02/14	Sample complexity for infinite hypothesis spaces	Unit – V	CR
3	26/02/14	-----→ Do ←-----		CR
3	27/02/14	The mistake bound model learning	Unit – V	CR
1	28/02/14	-----→ Tutorial ←-----		CR
2	28/02/14	Instance- based learning	Unit – VI	CR
1	04/3/14	-----→ Tutorial ←-----		CR
4	04/03/14	k-nearest neighbor learning, Issues of K-nearest neighbor learning	Unit-VI	CR
3	05/03/14	-----→ Do ←-----		CR
3	06/03/14	Locally weighted regression	Unit – VI	CR
1	07/03/14	-----→ Tutorial ←-----		CR
2	07/03/14	Radial basis functions	Unit – VI	CR
1	11/03/14	-----→ Tutorial ←-----		CR
4	11/03/14	Case-based reasoning	Unit – VI	CR
3	12/03/14	lazy and eager learning	Unit – VI	CR
3	13/03/14	-----→ Do ←-----		CR
1	14/03/14	-----→ Tutorial ←-----		CR
2	14/03/14	Introduction to first order rules	Unit – VII	CR
1	18/03/14	-----→ Tutorial ←-----		CR
4	18/03/14	Sequential covering algorithms	Unit – VII	CR
3	20/03/14	-----→ Do←-----		CR
3	20/03/14	Learning first order rules	Unit – VII	CR
1	21/03/14	-----→ Tutorial ←-----		CR
4	21/03/14	Foil Algorithm	Unit – VII	CR
1	23/03/14	-----→ Tutorial ←-----		CR
4	25/03/14	Inverted deduction	Unit – VII	CR
3	26/03/14	Inverting resolution	Unit – VII	CR
3	27/03/14	-----→ Do ←-----		CR
1	28/03/14	-----→ Tutorial ←-----		CR
2	28/03/14	Perfect Domain theories	Unit – VIII	CR
1	1/04/14	-----→ Tutorial ←-----		CR
4	01/14/14	Prolog -EBG	Unit –	CR

			VIII	
3	3/04/14	-----→ Do <-----		CR
3	3/4/14	Explanation- based learning	Unit – VIII	CR
1	4/4/14	-----→ Tutorial ←-----		
2	4/4/14	Explanation- based learning	Unit – VIII	CR
3	9/4/14	Explanation – based learning search control knowledge	Unit – VIII	CR
3	10/4/14	Problem solving		CR
1	11/04/14	Review of unit		CR
2	11/4/14	Old paper discussion		CR