Sri SAI RAM ENGINEERING COLLEGE
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Centre for Faculty Development, **ANNA UNIVERSITY,** Chennai-25
sponsored

ONLINE - SIX DAY FDTP ON MACHINE LEARNING TECHNIQUES (CS8082)
07.06.2021 - 12.06.2021

PROGRAMME SCHEDULE

DAY	SESSION 1 9.00am-10.30am	SESSION 2 10.45am-12.15pm		SESSION 3 1.30pm-3.00pm	SESSION 4 3.15pm-4.45pm
07.06.21	**Topic:** Introduction to Machine Learning 1.1 Learning Problems – Perspectives and Issues **Resource Person: Mr. M.S. Mohan Sivam, Technical Lead, Big Data Infrastructure, Tata Consultancy Services, Chennai**	**Topic:** 1.2 Concept Learning **Resource Person:** Dr. M. Jagannath. Asso. Professor VIT Chennai	L U N C H B R E A K	**Topic:** 1.3 Inductive bias Learning **Resource Person:** Dr. J. Thamilselvi, Professor ECE, Sri Sairam Engineering College	**Topic:** 1.4 Decision Tree learning **Resource Person:** Dr. A. R. Revathi Asso. Professor/SRM Valliammai Engineering College
08.06.21	**Topic:** 2.1 Neural Network Representation and problems 2.2 Perceptron **Resource Person: Dr. Y. Nancy Jane, Dept of Computer Technology Anna University**	**Topic**: 2.3 Multi layer network and back propagation algorithm **Resource Person:** Dr. T.T. Mirnalinee Professor Dept. of CSE, SSN		**Topic:** 2.4 Example of ANN-Face recognition 2.5 Advanced topic in ANN **Resource Person: Dr. R. Gayathri, Asso. Professor, Sri Venkateswara College of Engineering**	**Topic:** 2.6 Genetic algorithm **Resource Person:** Dr. G. Suganya, Asso. Professor VIT, Chennai
09.06.21	**Topic:** 3.1 Bayes theorem and concept learning 3.2 Maximum Likelihood and least square error hypothesis, predicting probability **Resource Person: Dr. R.S. Milton, Prof.,** Dept of CSE, SSN,Chennai	**Topic:** 3.3 Bayes classifier,Naives Bayes theorem **Resource Person: Dr.V. Shanmuganeethi, M. E., Ph.D., Associate Professor and Head In-Charge, NITTTR, Chennai**		**Topic:** 3.4 Gibbs algorithm 3.5 Bayesian belief network **Resource Person:** Dr. M. Ramesh Asso. Professor, Saveetha University	**Topic:** 3.6 EM algorithm **Resource Person:** Dr. B. Sreedevi, HoD -CSE, Sri Sairam Institute of Technology
10.06.21	**Topic:** OBE **Resource Person:** **Dr. P. Malliga,** Asso. Prof & Head in-charge, Center for Educational Media and Technology, NITTTR, Chennai	**Topic:** 3.7 Sample complexity, Finite and Infinite Hypothesis spaces, 3.8 Mistake bound model **Resource Person: Dr. T. Senthilkumar, Asso. Professor, Amrita University, Coimbatore**		**Topic:** 4.1 K – Nearest Neighbour Learning 4.2 Locally Weighted Regression **Resource Person:** Dr. K. Muthumeenakshi, Asso. Prof., Dept of ECE, SSN	**Topic:** 4.3 Radial Basis Functions **4.4 Case Based Learning Resource Person: Dr. Angelina Geetha, Professor & H.O.D (Computing Sciences), Hindustan Institute of Technology, Chennai**
11.06.21	**Topic:** 5.1 Learning Sets of Rules – Sequential Covering Algorithm 5.2 Learning Rule Set – First Order Rules – Sets of First Order Rules **Resource Person: Dr. A. R. Revathi, SRM Valliammai Engineering College**	**Topic:** 5.3 Induction on Inverted Deduction – Inverting Resolution – Analytical Learning **Resource Person: Ms. D. Devi, Asso.Prof., Sri Krishna College of Engg Coimbatore**		**Topic:** 5.4 Perfect Domain Theories – Explanation Based Learning - FOCL Algorithm **Resource Person: Dr. P. Vetrivelan, Asso. Prof (Sr) VIT, Chennai**	**Topic:** 5.5 Reinforcement Learning – Task – Q-Learning – Temporal Difference Learning **Resource Person:** Dr. R. Murugan, Asso. Prof., Dept of ECE NIT Silchar
12.06.21	**Test for Participants**	**Group / Panel Discussion**		**Presentation by Participants**	**Test paper Discussion and Distribution**