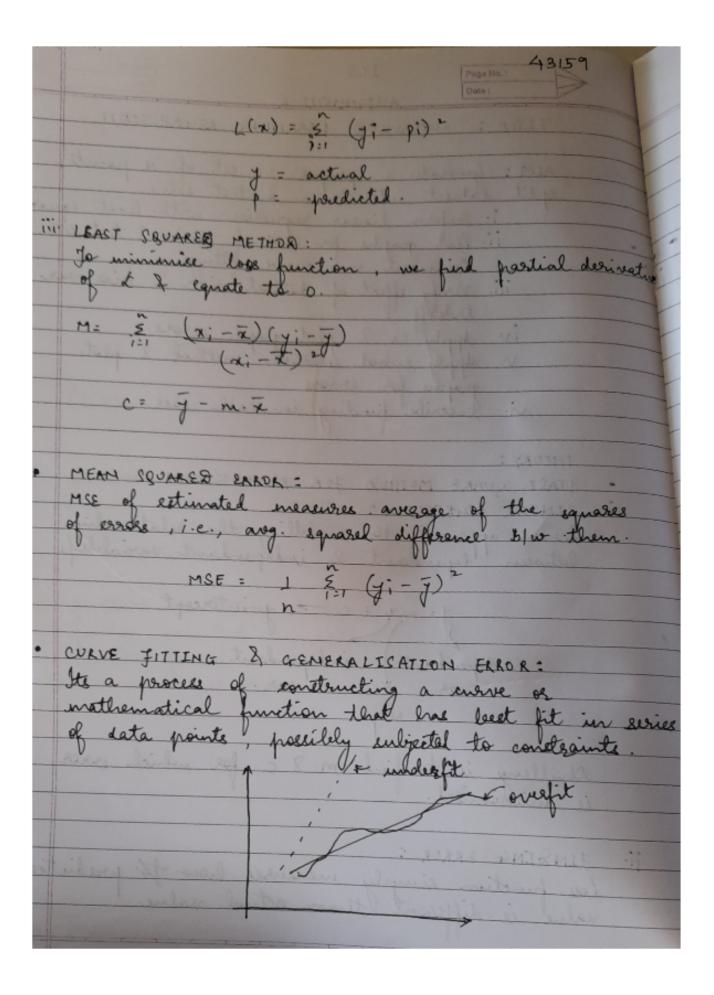
43159 ICS ASSIGNMENT - L TITLE: SUPERVISED LEARNING REGRESSION AIM: Generate a proper 20 set of H points. exhit dataset into train & test ests. i. Perform linear regression with bast square comment on curve filling: in spoly cv & plot graph errors V. Apply subset election method & plot graphe for errors vi Doscribe funding in each case. THEORY: LEAST SQUARE METHOD FOR REGRESSIONS LINEAR RECRESSION: fineal approach to modelling the relational lettreen dependant & independant Challenge is to find m & c JINDING ERROR : Loss function simply measures how to predicte



43150 Page No. Date: Techniques to reduce generalisation error: i. Simplify model ! Regularization · EJJECT OF SATASET: More the data, better the fit of linear regression & lesser generalization provos. BIAS VARIANCE TRADEOFF: Property of model that the variance of parameter estimates across examples can reduced in bias in estimated parameters CROSS - VALIBATION : 1. LOOW ii. Stratified cv iii. Repeated or iv. Nested a CONCLUCION : dinear degression was studied & implemented