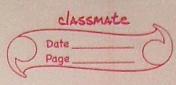
Technical Report The data for the meal plan was taken from the mess menu & then rutrients composition was determined by goggle search. These were the inputs given to the program already & user has to input his/her personal data for the edo nutrient requirement calculation Body Weight, Height, Age, Exercise Colosies, Physical Activity & How much calosie surplus on deficiet user want. (Note: For future work there inputs won't be required from user & will be calculated based on user target like how much weight user wants to gain lose & in what period) Then using these voorables caloric & other nutions requirement was calculated. These input were given to the linear programming solven in the which is present in solven.py The food nutrients, calorie & other constraints were applied to make the med distributed over the day & not



just concentrated to one time. Thus this meal plan from the linear program solver was given as an output to the user. The user intake data was also generated manually to get perfurance of the user & generate meal plan according to it. The weights for different food items were calculated & used in the objective function of linear program solver. This provided autput which was biased for the user, 3- different models were used to use the weights determined from the user data & respective output meal plan is provided in different excel files For future better models can be conformance implemented to find the weights & can be evaluated based on how dosely the user follows the med plan is decided.