

Course Name	HR Analytics	Course Code	404
Max. Time	2 hours	Max. Marks	40

INSTRUCTIONS: All questions are compulsory. Any similarity to any internet based content or similarity to peer group answers would result into getting an 'F' grade in the course. Use the Excel Sheet attached for doing all analysis and providing answers (use text boxes). Rename the Excel sheet after completion in your name and Submit on Moodle.

Question.1. From the dataset provided in Exercise 1, please find the correlation between Attrition and other variables. Save the output and explain. (6 Marks)

Question.2 The dataset provided in Exercise 2 is about a Project Management company. Please forecast employee strength required to handle 902, 794 and 892 projects in MFG, Consulting and Pharma Sector respectively. (6 Marks)

Question.3 In Exercise 3, a Transition (Probability) Matrix of Trainee Sales Executives movement requisitions in a FMCG company (for 12 months) is being provided. Please predict the requisitions in the post Covid scenario and take a decision of allowing movements or not. (6 Marks)

Question.4. In Exercise 4, a data of 18 months is being provided. Do a trend analysis and predict the next value? (6 Marks)

Question.5. A small hotel is having a staff scheduling problem. Please use Linear Programming method (via Solver) and find the optimum scheduling solution. The constraint and conditions are provided in the data-sheet itself. (6 Marks)

Question. 6. In the Exercise 6, a dataset of test results of 30 candidates of a training program is provided. Can you find any cause and effect relationship in the dataset? Provide your rationale also along with the output tables. (10 Marks)
