

Q1: Working on your proposed project, you have to do the following tasks:

- a) Define your project.
- b) Define the goals and objectives of your project.
- c) Scope of your work.
- d) Create a Work breakdown Structure as per your requirements. **[4 Marks]**

Q2: Create WBS of the following:

After much deliberation and watching people wait silently and suffer, the company was founded in 2021 to provide a solution whereby one could track designated rides while they were on the way and avoid the physical and mental discomfort of waiting on the road for the ride to arrive. EaseTravel app is a trip tracking service for daily commuters and essentially to be used for people using hired transport services for daily intra-city traveling.

This application has two main users: the driver and the daily commuter.

After analysis some findings conclude that most of the Vehicle drivers are novice users and reluctant to embrace any technology so, the developing company must create user-interface accordingly. Onboard screen has all the basic features needed to fulfill the objectives of user. Such as, log-in, forget & setting new-password after verification user will get into the application to make vehicle selection, this option only appears one-time for drivers who have multiple vehicles assigned to them. They can change the vehicle anytime; the home screen displays the vehicle selected. To be clicked when you need to change the vehicle, starting a journey, The APP automatically marks Arrived when the driver reaches a stop. Attendance automatically opens with all travelers marked present, only need to mark Absentee, pop-up: ride complete, making calls Occasional - When needed.

Same goes for the daily commuter until login, afterwards the home screen displays the passenger selected. To be clicked when need to change the passenger. (In case of multiple passengers associated with an account), tracking services will be available to ensure the safety. On reaching the destination the screen will pop with a successful ride! message. There are some complementary features like: previous ride history and delay and cancellation of ride, passenger no-show notification as well.

[4 Marks]

Q3: The following estimates were provided in the second round of the wide-band Delphi technique by four estimators for the next year's data use:

Estimators	Pessimistic Effort (P)	Optimistic Effort (O)	Expected Effort (B)
Ali	87	62	70
Zain	91	72	80
Shan	88	50	70
Hassan	97	88	95

Based on the estimation given in the above table, answer the following questions:

- What is the weighted estimate for each estimator?
 - What is the average joint estimate?
 - What is the 95% confidence interval for the estimate?
- [6 Marks]**