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Batch - 5

Assignment

Q.1] The Stakeholder is anyone who can positively or negatively influence the project, including the customers or users, the project manager and team, the project's sponsor, program and portfolio managers, the PMO functional managers within the org. and external sellers that provide services or materials for the project.

They may be involved in :-

1) The creation of project charter and the project scope statement

2) Project management plan development

3) Risk management

4) Identifying Requirements & Constraints

Q.2] Issues in Project Staff acquisition:-

1) Lack of trust
2) Conflict and tension
3) Not Sharing information
4) Low engagement
5) Lack of transparency
6) No long-term thinking
7) Badly perceived, not delivering
8) Poor change management
9) Working in silos
10) Not going in the same direction

Q.3] To find the **Halstead matrics** of given code:-

	Total	unique
Operators	$N_1 = 50$	$n_1 = 17$
operands	$N_2 = 30$	$n_2 = 7$

$$Volume\ (V) = N \log_2 n = 80 \log_2 (24) \approx 392$$

Inside the boundaries [20; 1000]

$$Difficulty\ (D) = (n_1/2) * (N_2/n_2) = (17/2) * (30/7) \approx 36$$

$$Effort\ (E) = V * D$$

$$Time\ to\ understand/Implement\ (T) = E/18 = 793\ sec \approx 13\ min$$

$$Bugs\ Delivered = E^{2/3}/3000 \approx 0.19$$

Syntactic Sugar:

$i = i + 1$

operators
operands

Total unique

$N_1 = 2 \quad n_1 = 2$

$N_2 = 3 \quad n_2 = 2$

$i + +$

operators
operands

Total unique

$N_1 = 1 \quad n_1 = 1$

$N_2 = 1 \quad n_2 = 1$

Solution: Normalization

∴ Halstead's $V \approx 392$