

Project rating index: (from 1-10)

- 1) Understanding of Project requirements -
Client ~~may~~ ~~be~~ is concerned about the ~~requirements~~ needed, and its their first. Similarly we are also having this as our first priority, As we need proper GPUs and hardware to train the model and thus, we have to be focus on this. (rating = 10)
- 2) Understanding system & procedure → This is also a ~~requirement~~ needed while ~~also~~ working on our project, like how the system works and procedure of our system. (I'll give rating 3)
- 3) Response from faculties → I need to consider this also, as since it's a mini-project so, it's important to be at the same level what the faculties wants (rating 6)
- 4) Flexibility & changes → This should also be taken in consideration as, ~~before~~ our project should be robust (rating 7).
- 5) Overall capability → We need to take care of the capability of our model, as it should achieve a good accuracy. (rating 6)
- 6) Effective communication → It's one of the imp. factor in doing a project (rating 5)
- 7) Innovation → We should take care of the changes that we are making in our project. It should be somewhat innovative to be included in International conference. (rating 4).

8) Performance vs cost \rightarrow We need to take care of this, as our complexity and cost of model should be less and Performance should be good. So, need to manage this. (Rating 3)

9) Performance wrt schedule \rightarrow The performance should be improved with the increasing time. (Rating = 2), but it's okay, ~~a~~ ~~need~~ to have some leverage as, it's a research project to ~~take~~ sometimes take time.

10) Performance wrt quality \rightarrow This is also a part to be taken care of, the quality of research project will be compared to other project already there. So, our quality should be a bit better (Rating 1)

Our project idea should be accepted as it's going to change the AI ~~and~~ in such a way, that it will have sense to figure out things.

Ans 5 Cost = 15,00,000 Rs. Annual cashflow = 425,000 for 6 years:
discounted payback = $\frac{15,00,000}{4,25,000} = 3.52$

discounted rate = 1 year $\rightarrow 4,25,000 / 1.05 = 4,04,761.7$

2 $\rightarrow 3,85,487.5$

3 $\rightarrow 3,67,130.9$

4 $\rightarrow 3,49,648.5$

5 $\rightarrow 3,32,998.6$

6 $\rightarrow 3,17,141.5$

11. 3 year = 11,57,380.3 \rightarrow 3.806 year

at 10%.

$$1^{\text{st}} \text{ year} = 425000 / 1.1 = 386363.6$$

$$2^{\text{nd}} \rightarrow 351239.6$$

$$3 \rightarrow 319308.7$$

$$4^{\text{th}} \rightarrow 290280.7$$

$$5^{\text{th}} \rightarrow 263891.5$$

$$6^{\text{th}} \rightarrow 263891.5$$

$$7^{\text{th}} \rightarrow 2399901.4$$

$$\text{After 4 years} = 134719206$$

$$\text{left} = 1528074$$

$$\Rightarrow 3.35 \text{ year.}$$