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**Course Title:** IT Project Management and Entrepreneurship

**Course code:** CSE495

**Section:** 2

**Implementation and Deployment Project of Intelligent System for**

**Enhancing Artistic Expression**

Submitted To: Dipayan Bhadra

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Submitted By:

|  |  |
| --- | --- |
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| Samiu Esika Upoma | 2020-1-60-082 |
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Resource Allocation:

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Assumptions of Cost – Benefit Analysis:

A. Time:

1) Project time is considered 1 year

2) Project Lifetime is considered 11 years, among 11 years, 1 year for project implementation and

10 years for project benefits

B. Benefit:

1) 75 Taka in considered for per download after 1 year.

2) 50% of the downloads will be increased every year.

3) 20 Taka per ad revenue is considered.

4) The annual rate of increment for the new AdSense considered 50%.

5) 500 takas will be saved per month per person for not wasting Paper while drawing practice. Can be used for drawing without any pencil or pen cost.

6) 1000 persons will be beneficiary in this process monthly.

7) Savings of $185 per ton of CO2 emission considered. 1000 users will have this impact on the environment. Each person will save 0.1kG of CO2,while using our app and going paperless.

C. Cost:

1) 3% of the investment cost per year is considered as maintenance cost (bug fixing, security update,algorithm optimization).

Analysis:

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Description automatically generated1) 12% discount rate is considered

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Task Name | | Duration | Start | Finish | Predecessors | Resource Names | Cost |
| 0 | Project1 | | 37 wks | Mon 12/25/ | Mon 9/9/24 |  |  | 1,030,500.00৳ |
| 1 | Start | | 0 wks | Mon 12/25/2 | Mon 12/25/23 |  |  | 0.00৳ |
| 2 | Project Initiation | | 1 wk | Mon 12/25/2 | Fri 12/29/23 | 1 | Project Manager | 12,500.00৳ |
| 3 | Stakeholder Identification | | 1 wk | Mon 1/1/24 | Fri 1/5/24 | 2 | Project Analyst[50%],Project Manager[50%] | 11,250.00৳ |
| 4 | Requirement Gathering | | 2 wks | Mon 1/1/24 | Fri 1/12/24 | 2 | Project Analyst[50%],Project Manager[50%] | 22,500.00৳ |
| 5 | System Design and Architecture | | 3 wks | Mon  1/15/24 | Fri 2/2/24 | 3,4 | Project Analyst,Project Manager,DB  Engineer,Drawing Education Specialist,ML | 150,000.00৳ |
| 6 | ML Model Training | | 6 wks | Mon 2/5/24 | Fri 3/15/24 | 5 | Drawing Education Specialist,ML Experts,ML | 165,000.00৳ |
| 7 | Object Identification | | 4 wks | Mon 3/18/24 | Fri 4/12/24 | 6 | ML Experts | 30,000.00৳ |
| 8 | Accuracy Measurement Algo. | | 4 wks | Mon  3/18/24 | Fri 4/12/24 | 6 | Developers,Project Manager | 80,000.00৳ |
| 9 | User Interface Design | | 3 wks | Mon 2/5/24 | Fri 2/23/24 | 5 | Project Manager,UX/UI designer | 55,500.00৳ |
| 10 | App Development | | 8 wks | Mon 4/15/24 | Fri 6/7/24 | 6,7,8,9 | Developers,Project Manager | 160,000.00৳ |
| 11 | ML Model Integration | | 4 wks | Mon 6/10/24 | Fri 7/5/24 | 10 | Developers,ML Experts,Project Manager | 110,000.00৳ |
| 12 | User Testing | | 2 wks | Mon 7/8/24 | Fri 7/19/24 | 11 | Project Manager[50%],Quality Assurance Ex | 27,500.00৳ |
| 13 | System Integration Testing | | 3 wks | Mon 7/8/24 | Fri 7/26/24 | 11 | Project Manager[50%],Quality Assurance Expert[50%],Test Engineer[50%] | 41,250.00৳ |
| 14 | Deployment | | 2 wks | Mon 7/29/24 | Fri 8/9/24 | 12,13 | Developers,Project Manager,Database Serv | e 85,000.00৳ |
| 15 | Monitoring and Maintenance | | 4 wks | Mon  8/12/24 | Fri 9/6/24 | 14 | Developers,Project Manager | 80,000.00৳ |
| 16 | End | | 0 wks | Mon 9/9/24 | Mon 9/9/24 | 15 |  | 0.00৳ |
|  | | | | | | | | |
| Project: Project1  Date: Mon 12/25/23 | | A group of blue and black bars  Description automatically generatedTaskInactive SummaryExternal Tasks  SplitManual TaskExternal Milestone  MilestoneDuration-onlyDeadline  SummaryManual Summary RollupCritical  Project SummaryManual SummaryCritical Split  Inactive TaskStart-onlyProgress  Inactive MilestoneFinish-onlyManual Progress | | | | | | |
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