



AUGUST 16, 2023

**CADECEUS
PENDRIVE LLM**
DIGITAL ASSESSMENT I

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CADECEUS: PENDRIVE LLM

ASSIGNMENT I

WORK BREAK-DOWN STRUCTURE (WBS)

PROCESS-BASED WBS:

Requirement gathering & analysis

Design

- UX/UI design
- System architecture
- Backend architecture

Implementation

- Writer application
- Backend server
- Pendrive driver
- Data fetching

Testing

- Unit testing
- Integration testing
- UAT

Deployment

Maintenance & Support

DELIVERABLE/PRODUCT-BASED WBS:

Writer Application

- Setup module
- Update module
- UI/UX

Backend Server

- Flask + Django setup
- Data fetching

- Data embedding

Pendrive Driver

- Environment setup
- Software

Data Sources

- Wikipedia
- Stack Overflow
- General input

ROLE-BASED WBS:

- Project Manager
- UX/UI Designer
- Frontend Developer
- Backend Developer
- Driver Developer
- Tester
- Support Team

COST ESTIMATION:

AVERAGE HOURLY RATE:

Project Manager	: 50/hr
UX/UI Designers	: 40/hr
Backend Developers	: 45/hr
Frontend Developers	: 40/hr
Embedded Systems Engineer	: 50/hr
QA Engineers	: 35/hr
Database Administrators	: 45/hr
Technical Writers	: 30/hr

Each role works **40 hours** per week.

ADDITIONAL COSTS:

Server costs	: 500/month
Software licenses	: 1000 (one-time)
Pendrive manufacturing	: 10/pendrive (assuming a batch of 1000 pendrives)

Let's estimate the cost for each **phase** and the total cost.

Project Initialization	: 2,000
Requirements Gathering	: 13,200
Design	: 19,800
Development	: 61,714.29
Testing	: 6,000
Deployment	: 5,600
Maintenance (for the depicted year)	: 260,714.29
Server Costs (for the depicted year)	: 8,400
Pendrive Manufacturing (for 1000)	: 10,000
Software Licenses	: 1,000
Total Estimated Cost	: 388,428.57

Here's an enhanced visualization for the Caduceus Project:

Gantt Chart: It provides a timeline for each phase of the project.

Cost Estimation Bar Chart: This chart breaks down the costs associated with each phase and additional expenses.

