

# Project Title: Interactive Project Management Dashboard for Research & Healthcare Programs

## Tools Used:

- Microsoft Power BI / Tableau (Dashboard Development)
- Excel (Data Simulation)

## Project Scope:

Developed a comprehensive and interactive **Project Management Dashboard** for a simulated multi-project healthcare & research portfolio. It provides project managers, researchers, and decision-makers with real-time insights into **task progress, budget utilization, team workload, and phase-level performance**.

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## Key Features:

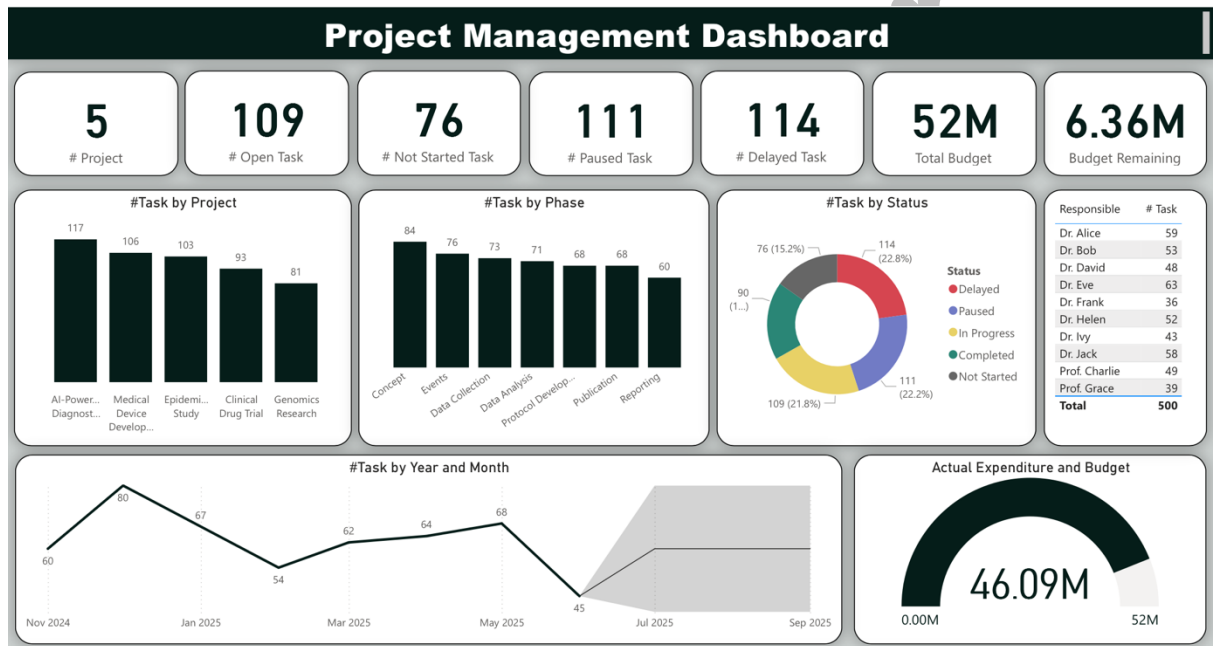
- 1. High-Level Overview Dashboard**
    - Summary of projects, open tasks, delays, and budget health
    - Visual task breakdowns by **project, phase, status, and time**
    - Gauge to track **actual expenditure vs. allocated budget**
    - Monthly trend to forecast upcoming task workload
  - 2. Project Details View**
    - Task breakdown per project with filters for **status, responsible person, phase, date, and task type**
    - Clear highlight of delayed tasks with their financial and timeline status
    - Role-based workload distribution analysis
  - 3. Financial & Budget Analysis**
    - Side-by-side comparison of **budget, actual expenditure, and remaining funds**
    - Budget breakdown by project phase
    - Over-budget tasks flagged with financial insights for better planning
  - 4. Project Timeline (Gantt View)**
    - Interactive Gantt-style layout showing **task durations by phase**
    - Drill-down capability by week/month/year
    - Visual planning for overlapping tasks and long-term strategy
  - 5. Task Data Sheet**
    - Excel-style interactive data grid for **filtering, sorting, and deep analysis**
    - Includes fields for: Project, Phase, Task Description, Responsible, Dates, Status, Budget, and Budget Remaining
    - Summary row for total cost and financial insights
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## 🌐 Use Case:

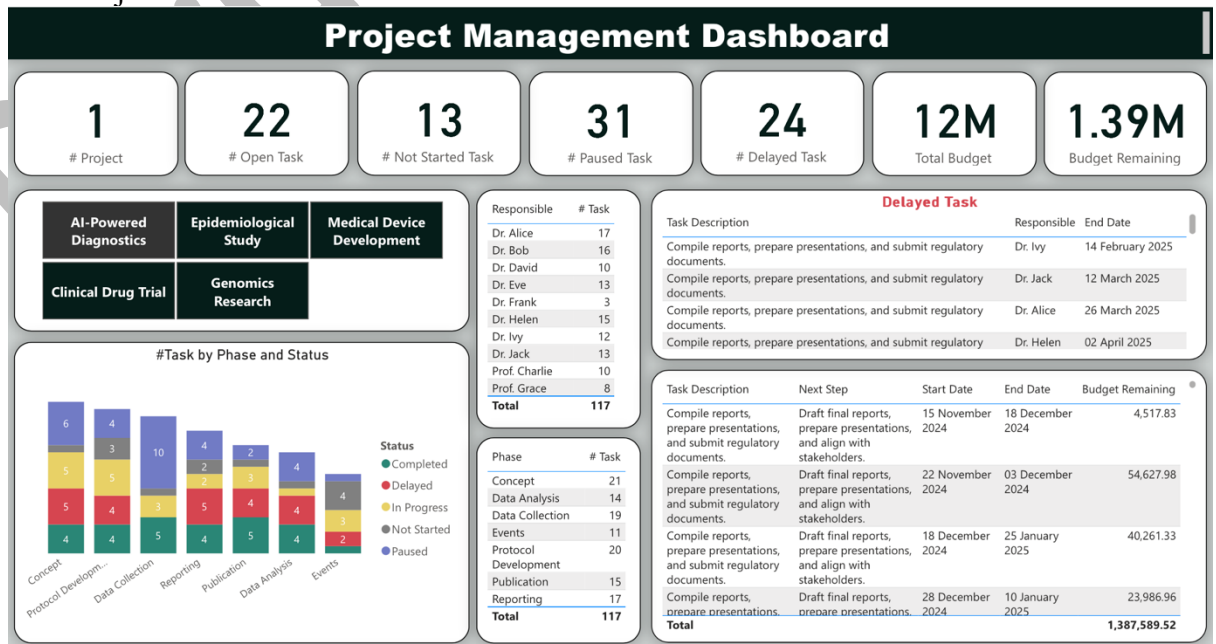
This dashboard suits **clinical research organizations, biotech firms, healthcare startups,** or any enterprise handling complex, cross-functional projects where budget, progress, and deadlines need to be monitored precisely.

## 🎨 Project Snapshots:

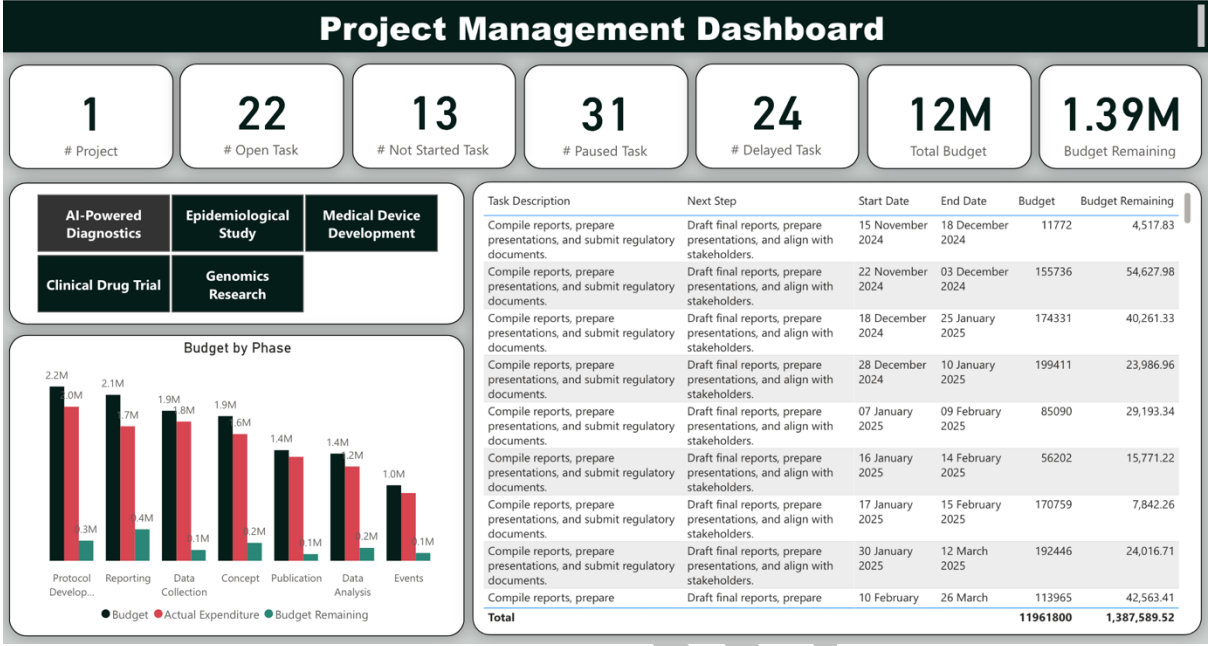
### 1. Overview



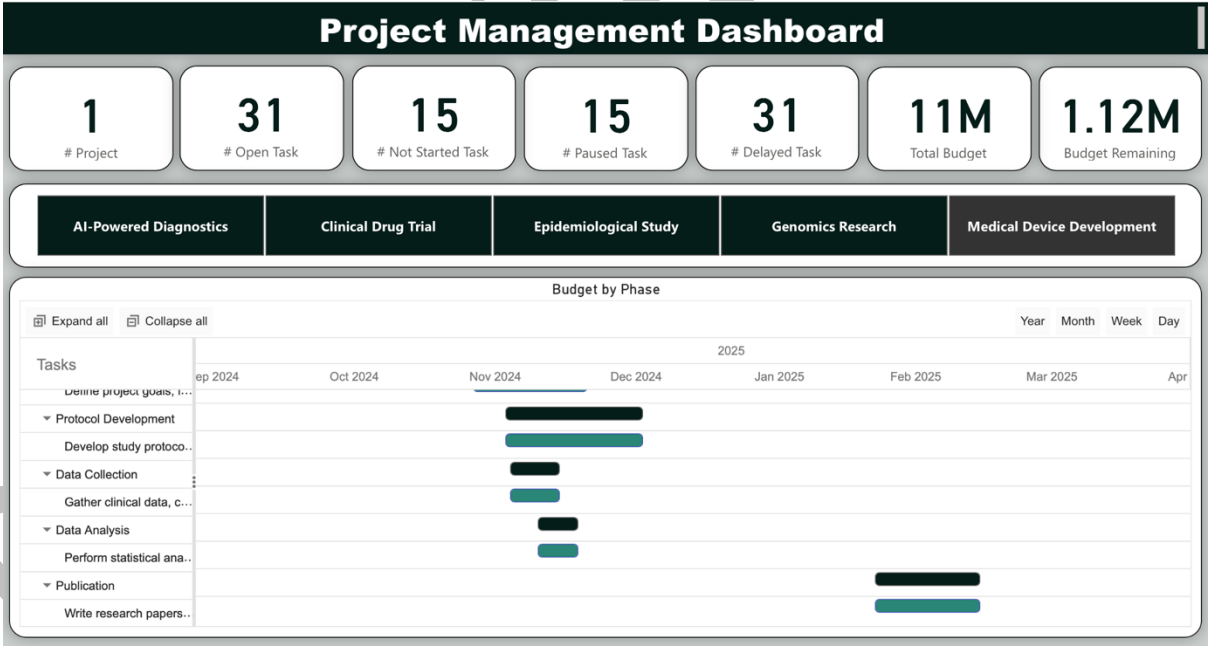
### 2. Project Details



3. Budget Analysis



4. Timeline



5. Summary

| Project Management Dashboard |                      |  |             |                  |                  |             |  |          |                  |  |
|------------------------------|----------------------|--|-------------|------------------|------------------|-------------|--|----------|------------------|--|
| Project                      | Phase                | Responsible  | Status      | Task Type        | Start date       | End Date    |  |          |                  |  |
| All                          | All                  | All  | All         | All              | All              | All         |  |          |                  |  |
| Project                      | Phase                | Task Description   | Responsible | Start Date       | End Date         | Status      | Next Step  | Budget   | Budget Remaining |  |
| AI-Powered Diagnostics       | Protocol Development | Develop study protocol, define methodology, and obtain approvals.        | Dr. Frank   | 03 November 2024 | 09 November 2024 | Delayed     | Submit protocol for ethical review, refine study methodology.              | 132306   | 38,702.92        |  |
| Genomics Research            | Events               | Conduct workshops, present findings, and attend industry conferences.    | Dr. Alice   | 08 November 2024 | 14 November 2024 | In Progress | Plan conference presentations, schedule workshops, and finalize materials. | 30360    | 2,846.11         |  |
| Genomics Research            | Data Collection      | Gather clinical data, conduct experiments, and validate inputs.          | Dr. Bob     | 08 November 2024 | 15 November 2024 | Not Started | Ensure data completeness, validate collected data, and address gaps.       | 19884    | 3,481.09         |  |
| Medical Device Development   | Reporting            | Compile reports, prepare presentations, and submit regulatory documents. | Dr. Jack    | 09 November 2024 | 19 November 2024 | Delayed     | Draft final reports, prepare presentations, and align with stakeholders.   | 69736    | -4,755.18        |  |
| Medical Device Development   | Events               | Conduct workshops, present findings, and attend industry conferences.    | Prof. Grace | 07 November 2024 | 20 November 2024 | Delayed     | Plan conference presentations, schedule workshops, and finalize materials. | 48949    | 9,486.20         |  |
| AI-Powered Diagnostics       | Publication          | Write research papers, submit for peer review, and finalize publication. | Prof. Grace | 16 November 2024 | 21 November 2024 | Delayed     | Address peer review comments, submit final version for publication.        | 113992   | 25,015.14        |  |
| Epidemiological Study        | Data Collection      | Gather clinical data, conduct experiments, and validate inputs.          | Dr. Alice   | 03 November 2024 | 22 November 2024 | Paused      | Ensure data completeness, validate collected data, and address gaps.       | 166226   | 9,124.62         |  |
| Genomics Research            | Data Collection      | Gather clinical data, conduct experiments, and validate inputs.          | Dr. Jack    | 15 November 2024 | 22 November 2024 | Not Started | Ensure data completeness, validate collected data, and address gaps.       | 12043    | 4,616.00         |  |
| AI-Powered Diagnostics       | Publication          | Write research papers, submit for peer review, and finalize publication. | Dr. Jack    | 18 November 2024 | 23 November 2024 | In Progress | Address peer review comments, submit final version for publication.        | 59152    | 4,420.83         |  |
| Clinical Drug Trial          | Data Collection      | Gather clinical data, conduct experiments, and validate inputs.          | Dr. Eve     | 05 November 2024 | 25 November 2024 | Delayed     | Ensure data completeness, validate collected data, and address gaps.       | 183014   | 2,604.78         |  |
| Medical Device Development   | Events               | Conduct workshops, present findings, and attend industry conferences.    | Dr. Ivy     | 09 November 2024 | 25 November 2024 | Not Started | Plan conference presentations, schedule workshops, and finalize materials. | 175726   | 49,536.80        |  |
| Clinical Drug Trial          | Publication          | Write research papers, submit for peer review, and finalize publication. | Dr. Ivy     | 04 November 2024 | 26 November 2024 | Paused      | Address peer review comments, submit final version for publication.        | 198091   | 38,742.64        |  |
| Total                        |                      |  |             |                  |                  |             |  | 52455127 | 6,364,317.43     |  |



Value Delivered:

- Enabled data-driven decision-making
- Improved project visibility across stakeholders
- Reduced project delays by highlighting critical issues
- Optimized resource utilization and budget planning



Looking to Build Something Similar?

If you're a **freelancer client, startup founder, or enterprise lead** looking for a tailored dashboard like this, let's connect! I can help design, build, and optimize end-to-end dashboards for your unique business workflows.