

AVIONICS DEPOT SUPPORT SYSTEM IN TRACKING AND MONITORING AVIONICS CALIBRATION EQUIPMENT

BACKGROUND

As future aviation engineer, it is paramount to expose to the real aviation industry issues and setbacks. Among the current issues are:

Low visibility of avionics calibrated equipment

Low response time in searching and finding the equipment

Unsure current status of the equipment

No central data monitoring each equipment

Limited accessibility to the system

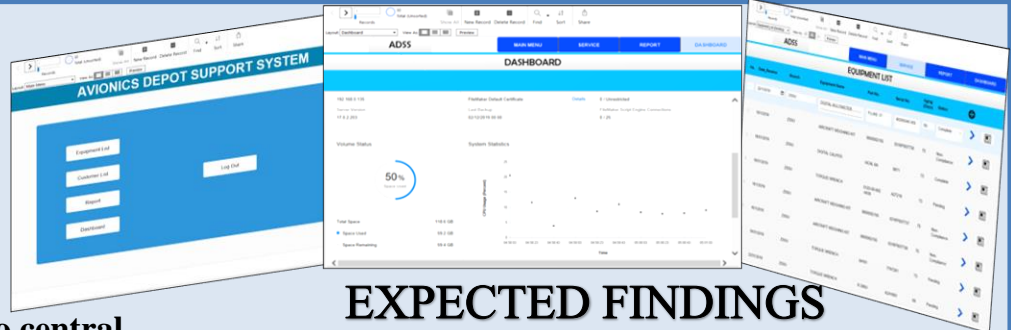
Low-budget but **high-performance business response** required

METHODOLOGY

Develop a system model capable with functionality such as tracking and monitoring the status of the equipment in real time.

Dynamic Systems Development Method as a framework to develop the system model

FileMaker Pro as a developer software tool to develop the system model.



EXPECTED FINDINGS

The prototype of the system should be capable of capturing the visibility of the asset, simplify asset listing, provide tracking location of the equipment in real time and assist maintenance personnel in managing the data.

The system capability and functionality will be test and evaluate using **Agile Testing Quadrants**

SIGNIFICANCE OF PROJECT

The system is complied with the **aviation regulation and standard** in managing and controlling specialized assets with shelf life.

Meet the demanding requirement of the **Maintenance Repair Overhaul industry** by producing a low-budget but high-performance business response.

The system able to **cover a small portion of Engineering Asset Management** in tracking and controlling assets at MRO workshop level to capture the data for decision making.

CONCLUSIONS

The successful results of this project can be beneficial to aviation industry and engineering students both towards collaborating indigenous system software development.



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