**Aviation Safety Reporting Tracking And Management System**

**by**

**Md.Ashikuzzamn**

**ID: 112077**

A Report Presented in Partial Fulfillment

of the Requirements for the Degree of

Bachelor of Science in Computer Engineering

from the Department of

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****

**Independent University, Bangladesh**

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**Supervisor: Dr. Mahady Hasan**

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**Approval**

This report entitled

Aviation Safety Reporting Tracking And Management System

by

Md.Ashikuzzaman

has been approved by

Dr.Mahady Hasan

The Department of Computer Science and Engineering,

Independent University, Bangladesh.

Supervisor: Dr.Mahady Hasan

The final copy of this report has been examined by the signatory and I find that both the content and the form meet acceptable presentation standards of scholarly work in the above mentioned discipline.

Signed ...................................

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# Originality Statement

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Student Name

# Acknowledgement

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# ABSTRACT:

ASRTM is a Civil Aviation Authority management system. All the important services that civil aviation does like Accident incident investigation, Inspection, aircraft maintenance, Organization monitoring, Personal Licensing, Runway monitoring etc., the ASRTM can keep all the records and help the authority to manage and maintenance CAA.

Chapter 1: Introduction

* 1. Back ground of the Project:

According to ICAO rule all civil aviation authority should keep records of their work to central database. Again to convert the CAAB manual to digital system the authority decide to develop the ASRTM system.

* 1. Scope of the project:

This system covered basic CAA maintenance module like safety concern, Aircraft, Organization, personal licensing, Employee management, Accident Incident investigation, and ANS/AGA/Aerodrome inspection. Furthermore the system maintain an e-library, there are scope of volunteer reporting and wild life stick reporting.

* 1. Objective of the project:

Fulfill the ICAO requirement and digitalization of CAAB .

[Chapter 2: Methodology](#_Toc389951054)

2.1 [Model Applied to Develop the system:6](#_Toc389951055)

For developing the system agile method is used.

2.2 [Data Collection:](#_Toc389951056)

2.2.1 Interview:

I alone with my supervisor collect data and information of particular module from concern department.

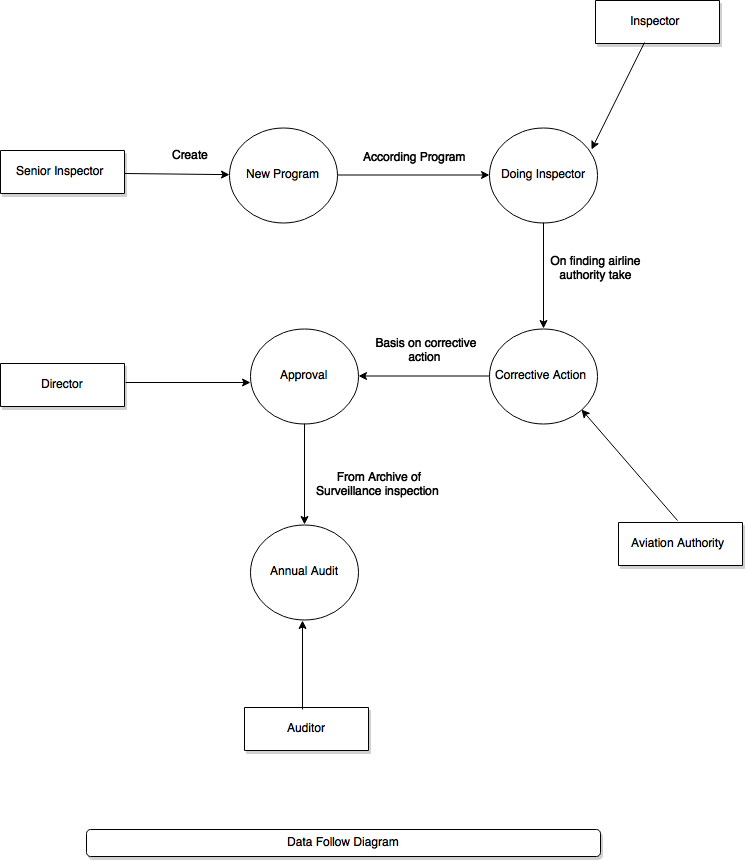
2.2.2 Studying Training Document:

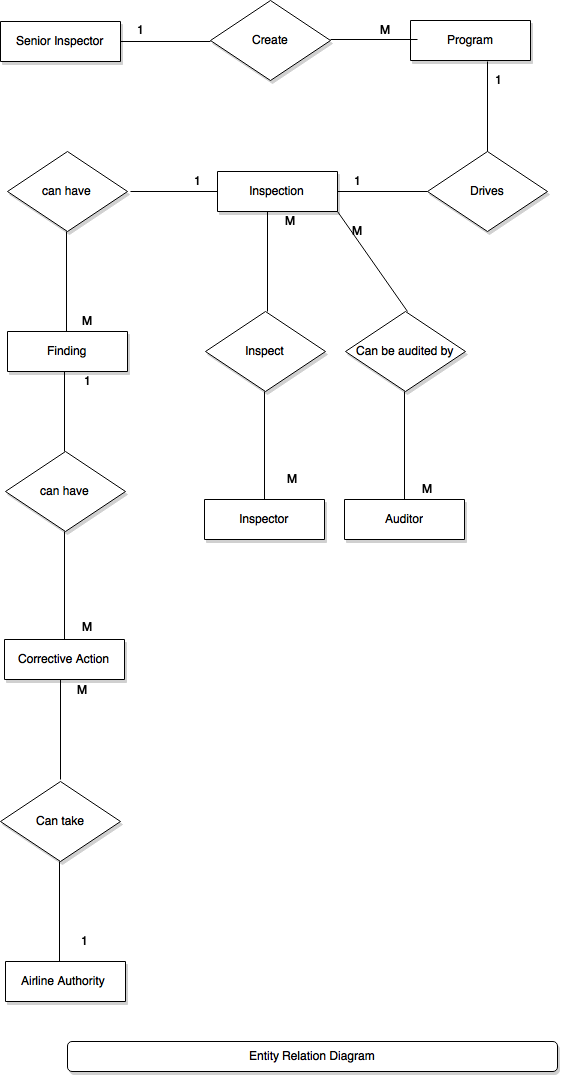
ICAO standard manual and other documents.

2.3 Design system

2.3.1 Data flow diagram (DFD)





2.3.2 Entity relationship diagram

2.3.3 Normalization

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2.4 Programming/ coding convention

2.5 [Testing Methodologies: 9](#_Toc389951059)

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2.6 Implementation Methodology