

# PROJECT CHARTER

## GENERAL PROJECT INFORMATION

PROJECT NAME	PROJECT MANAGER(S)	PROJECT SPONSOR
Trainee Flight Ops (TFO)	Arnav Surve Oren Jensen Abrar Ali Kevin Archer LK Niu	Derp University's aviation department

EMAIL	PHONE	ORGANIZATIONAL UNIT(S)
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GREEN BELTS ASSIGNED	EXPECTED START DATE	EXPECTED COMPLETION DATE
Kevin Archer	02/19/2022	11/30/2023

## PROJECT OVERVIEW

<b>PROBLEM OR ISSUE</b>	<p>The Derp University is developing a professional flight program that needs an information system to monitor the progress of trainees as well as track the credentials of the instructor's.</p> <p>Implementing the project requirements that should utterly fulfill the Trainee Flight Ops system objectives and purposes.</p>
<b>PURPOSE OF PROJECT</b>	<p>The purpose is to track trainee progress and instructor's credentials by following the restrictions set by the Derp University aviation department.</p>
<b>BUSINESS CASE</b>	<p>The Trainee Flight Ops system would allow the University to improve the professional flight program by making it easier to track the progress of trainees. This will help the program achieve its goal of developing and grooming the pilots of tomorrow.</p>
<b>GOALS / METRICS</b>	<ul style="list-style-type: none"><li>● Track cumulative flight time logged by trainees</li><li>● Store information pertaining to trainees, store pilot certificate ids and grade</li><li>● Track medical examination history</li><li>● ^ Log similar information for instructors</li><li>● Ability to authenticate users based on university credentials</li><li>● Information on instructors 'current courses, lessons, and trainees</li><li>● Trainees should only be allowed to view their own personal and training information</li><li>● System should be accessible via web browser on mobile devices, tablets, and computers</li></ul>
<b>EXPECTED DELIVERABLES</b>	<ul style="list-style-type: none"><li>● The first deliverable is to complete the software requirements listed by the Derp University aviation department</li><li>● The second deliverable is to ensure the information system is safeguarded and secure</li><li>● The third deliverable is to implement a database using Microsoft Access</li></ul>

## PROJECT SCOPE

<b>WITHIN SCOPE</b>	The project scope is to develop an information system accessible web browsers on mobile devices, tablets, and computers to help flight trainees monitor their progress through flight school at Derp University as well as provide information to the Derp University flight instructors regarding the classes they teach. Our implementation should provide access to trainees and instructors to view their personal and training information. The system should allow administrators to access all records stored in the information system.
<b>OUTSIDE OF SCOPE</b>	<p>We will not be developing in-aircraft flight instruction, simulator courses, or theoretical classroom instruction.</p> <p>We are not required to implement accessibility of the system beyond mobile devices, tablets, and computers.</p> <p>Trainees should not be able to view other's personal and training information. Instructors should not be able to view the personal and training information of other instructors.</p> <p>We will not provide access to anyone besides our stakeholders (instructors, trainees, managers).</p>

## TENTATIVE SCHEDULE

<b>KEY MILESTONE</b>	<b>START</b>	<b>FINISH</b>
Form Project Team / Preliminary Review / Scope	12/05/2022	01/11/2023
Finalize Project Plan / Charter / Kick Off	12/06/2022	02/01/2023
Analysis Phase	12/09/2022	02/26/2023
Implementation and Testing Phase	01/10/2023	03/10/2023

Project Summary Report and Close Out	04/23/2023	06/23/2023
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## RESOURCES

PROJECT TEAM	<p>Arnav Surve</p> <p>LK Niu</p> <p>Kevin Archer</p> <p>Abrar Ali</p> <p>Oren Jensen</p>
SUPPORT RESOURCES	<ul style="list-style-type: none"> <li>• iTap lab</li> <li>• Accessible search engines <ul style="list-style-type: none"> <li>◦ Google, Bing, etc</li> </ul> </li> <li>• Purdue CNIT 182 Professors</li> </ul>
SPECIAL NEEDS	TBD

## BENEFITS AND CUSTOMERS

PROCESS OWNER	<p>Project owner: LK Niu</p> <p>Organization owner: Derp University aviation department</p>
KEY STAKEHOLDERS	<p>The key stakeholders are the flight trainees and instructors at Derp University as well as the aviation department administration.</p>
FINAL CUSTOMER	<p>The final customer is the Derp University aviation department.</p>
EXPECTED BENEFITS	<p>The information system is expected to help flight trainees monitor their progress through the flight learning program at Derp University.</p> <p>The information system is expected to provide flight instructors with information about their courses and trainees to help them improve their course.</p>

## RISKS, CONSTRAINTS, AND ASSUMPTIONS

RISKS	<ul style="list-style-type: none"><li>• There may be a breach in confidentiality to user information.</li><li>• If an administrator's account is compromised, the progress of trainees may be hindered.</li><li>• The web server may be taken offline by denial of service attacks.</li><li>• The system's hardware could be damaged or stolen.</li></ul>
CONSTRAINTS	We may be limited by the amount of access to student and instructor data granted.
ASSUMPTIONS	We assume the data pertaining to student and instructor records is preexisting and readily available for use.

PREPARED BY	TITLE	DATE
Kevin Archer Arnav Surve LK Niu Oren Jensen Abrar Muk	TainingFlightOps Project Charter	9/15/2022