Problem Definition Worksheet

**Problem statement:** As a newly appointed Company Commander of a transportation company, new father and husband having enough time to meet the obligations of family, work and daily exercise prove challenging. the effect of so little time available to be spent with family is felt in both intangible impact such as the emotional toll on my spouse and son. As well with the tangible impact such as shorter time available for sleeping hours. This problem is costing my family the value derived be dedicated quality time. the magnitude of the problem is such that currently I am only spending 24 hours during the week dedicated to family time.

**Business impact:** The baseline measurement of value time spent family, work and daily exercise per day is estimated using my salary in an hourly rate as a proxy value for time gained or lost in my work week through my routine performance of work and family obligations. According to Thomas P. DiNapoli State Comptroller, I make $210.39 an hour for an 8-hour work week. I sleep between 7-8 hours a night, shower/hygiene is 25 minutes, to make and eat breakfast is 25 minutes. My commute to and from work is 1 hour 30 minutes, conducting schoolwork (class/homework) is 3 hours per day and exercise 30 minutes to an hour. If I don’t spend more time with my family the effect would be a strain physically and emotionally on my family relationship. If I chose to take days off work to spend more time with my family, I will lose $210.39 an hour. My family relationship would improve in the expense of losing money each day I take off from work. In order to properly solve my problem, I would need to reduce my sleep cycle by an average of 2 hours. with the slight reduction of sleep, my daily schedule would start 2 hours earlier. With an earlier schedule I can continue to earn my hourly salary and keep my family happy.

**Goals:** The goal of this project is to increase the average hours of time spent with my family by 3 hours. this will ensure that I maintain a happy and healthy relationship with my wife, son and mental health.

**Project scope**: The boundary of the project is from Sunday through Saturday. I work Monday through Friday from 7am to 3pm and once a month I work on Sunday and Saturday from 7am to 3pm. The boundaries that are not within my scope are the Sundays and Saturdays that I am not working.

**Team:** I am the process owner for analyzing this impact process.

**Project plan**:

* 21JAN2022: Define (Identify the problem at hand)
* 04FEB2022: Measure (Develop/create/collect data)
* 18FEB2022: Analyze (Identify root cause/determine inputs on impact and output)
* 11MAR2022: Improve (Develop/select/ pilot then implement a solution)
* 25MAR2022: Control (Implement a control to monitor the performance)

**Process map**:

