Background

Optimizing of school transport busses by entering the student's information and buses information to get the best apportionment of students and busses.

Goals

- Save time and money for a School
- Meet the need of all possible from the student parent's
- Save time and money for the Busses

Scope

- **Justification**: help school to reduce the effort and time to get the schedule of the busses.

- **Scope Description**:

    o   What to do

        1- AI Algorithm to find the optimal for bus schedules and get the optimal path to buses.

        2- Admin panel that controls the system (Web Application).

    o   What not to do:

        1- Landing page.

        2- Mobile application.

        3- Bus tracking.

- **Business Objectives**:

    1- Parents' satisfaction with the plan that generated.

    2- Reduce time and effort on the school.

    3- help busses to get the optimal path that reduces the time and cost.

- **Deliverables**:

    1- Admin panel that provide the AI algorithm and control the system.

- **Constraints**:
    o   Time:
        1. The date of delivery the project is the same of university delivery.
    o   Budget:
        1. We are not responsible about managing the buses (contract, salary, etc.).
    o   Scope:
        1. Responsible about UI and UX design.
        2. Not responsible about hosting and domain.
        3. We not own the Database of the site.
        4. Our version is not cross platform and native.

- o   Technical: Programming Language is:
    1. For backend: PHP.
    2. For frontend: HTML, CSS, JavaScript(Angular).
    3. Database: MySQL.

Key Stakeholders

Client	Office Manager
Project manager	Hassan Kareem
Project team members	Tarek Amina, Yazan Sheikh Alared, Mouhammad Murhaf Marzouk, Ghith Shalak.

Project Team Members:

Name	Experience Year	Role in the project	Salary per hour
Hassan Kareem	3 Years		
Yazan Sheikh Alared			
Ghith Shalak	2 Years		2000 SYP.
Murhaf Marzouk			
Tarek Amina			

Project Milestones
Start date: 4/25/2021.
End date: university delivery date.
other milestones will decide after approval.

Project Budget
School Bus Drivers.

Constraints, Assumptions, Risks and Dependencies

Assumptions	The school has enough busses that can hold all the students. The school already has a computer with an internet connection. The school can fetch the needed information from the student's parents. the school informs the busses drivers about the system.
Risks and Dependencies	Busses driver does not accept the idea or he is not suited for this idea. Not all the student's parents will fulfill his wishes. Collect all the students and busses information before start the algorithm. The algorithm may take a long time before display the result.

Modification Service

The possibility of modification is studied within the week and after that, we respond of acceptance or denial and the duration and cost it will take.

Note:

- Team Members roles will decide later.
- In case we agreement of the Service level agreement and Post production service we will make own contract.
- We are not responsible about marketing.
- We are not responsible about economic feasibility study.
- This contract is valid one month after receiving the contract.
- Every day delaying from the deadline is considered unpaid work.
- Payment Method: hourly and on finishing.
- We are responsible about training.
- At the beginning of each week, the client will be informed of the progress reports through a meeting, email, or e-mails by the project manager.
- At the beginning of each week we will send the schedule of works hour for each team member.

Approval Signatures

_____   _____
[Name], Project Client   [Name], Project Manager