Hackathon

1. Transportation issues

Propose

This theme focuses on solving transportation-related issues and easing the problems that public and private vehicle users are facing every day.

Problem Statement

For a developing nation like ours where we have more vehicles than road capacity, it is common to have multiple transportation issues. These problems are not just faced by public vehicle users but also by both public and private vehicle owners and pedestrians. Some of the major problems observed in the area of transportation are:

* Poor quality of service in public vehicles
* Lack of proper regulation for public transportation services
* Violation and poor enforcement of traffic rules
* Too many private vehicles
* Lack of proper parking places and lack of proper management and advertisement for parking places
* Many polluting vehicles still in use
* Poor planning in road construction causing congestion
* Slow DOTM
* Increase in pollution
* Lack of proper sidewalk, zebra crossing, and overhead bridges etc.

1. Tech for Education

Propose

This theme focuses on encouraging the use of technology in the field of education to change the traditional education system and to make sure that the right for education is available to everyone. It further aims to transform the meaning of education from just reading books to visualizing different aspects of real-life scenarios and implementation of ideas alongside reading books.

Problem Statement

Even in this era of technology, our country Nepal still depends upon the traditional methodologies like rote-learning, exam-oriented, and teacher-centric teaching and learning practices. These practices aren't based on the interest of learners, but rather rely on an outdated curriculum. The next major problem is even this traditional methodology of education isn't reaching everyone. Some of the problems in the field of education that can possibly be eradicated by technology are as follows:

* Poor quality of education
* Education not reaching everyone
* Lack of practicality in education
* Irrelevant evaluation systems
* Lack of encouragement for learners to be problem solvers, analytical thinkers and creative
* Lack of proper educational infrastructures and facilities and rural areas
* Isolated education system; lack of connection of the country's education system to the need of the world