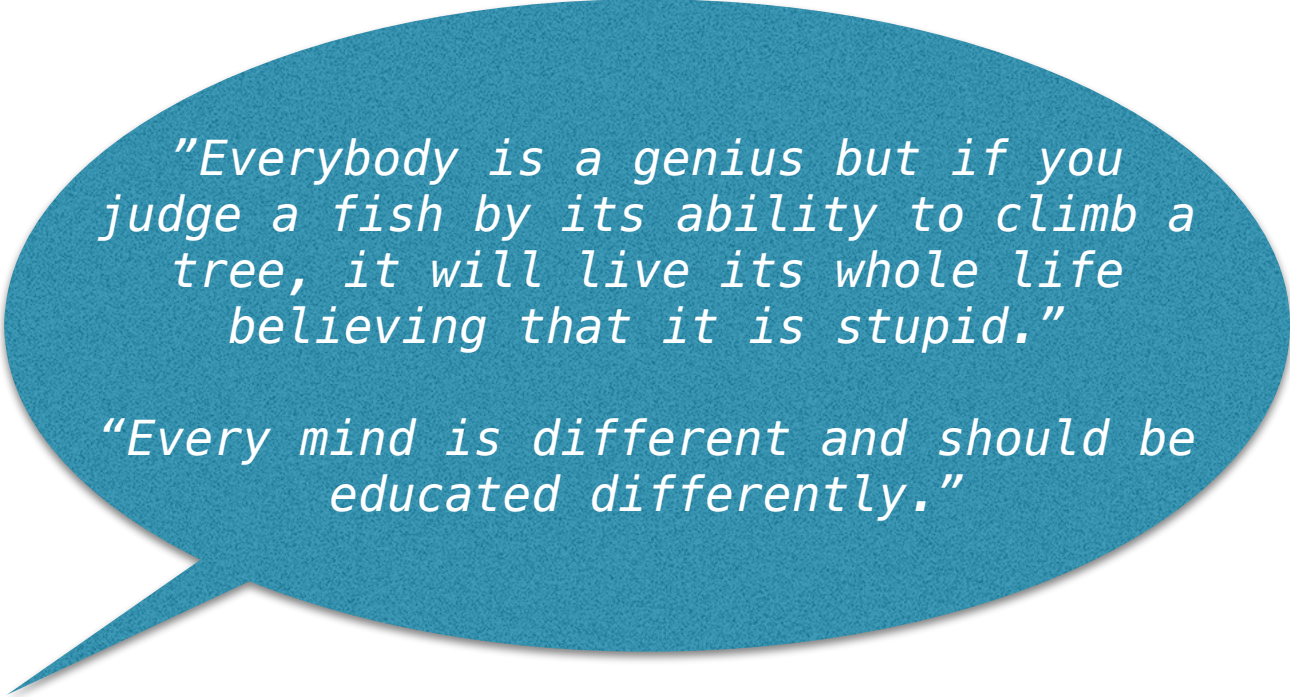


Breeze Hackathon

Team: Arrow

Mohit
Preeti

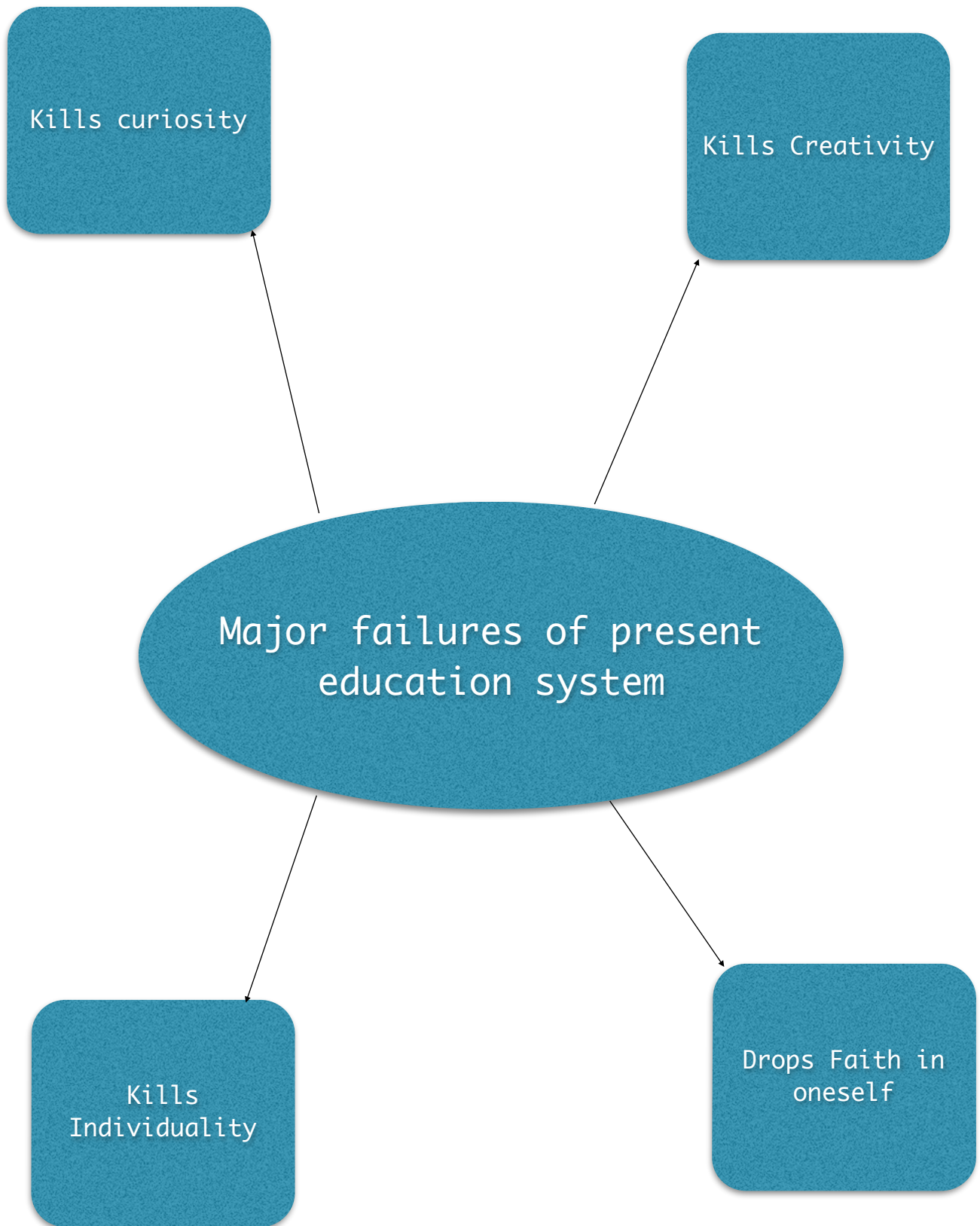
Educational Development
(using Machine Learning)



"Everybody is a genius but if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid."

"Every mind is different and should be educated differently."

~Albert Einstein





Here is a phone 150 years from now



Here is a phone used today!

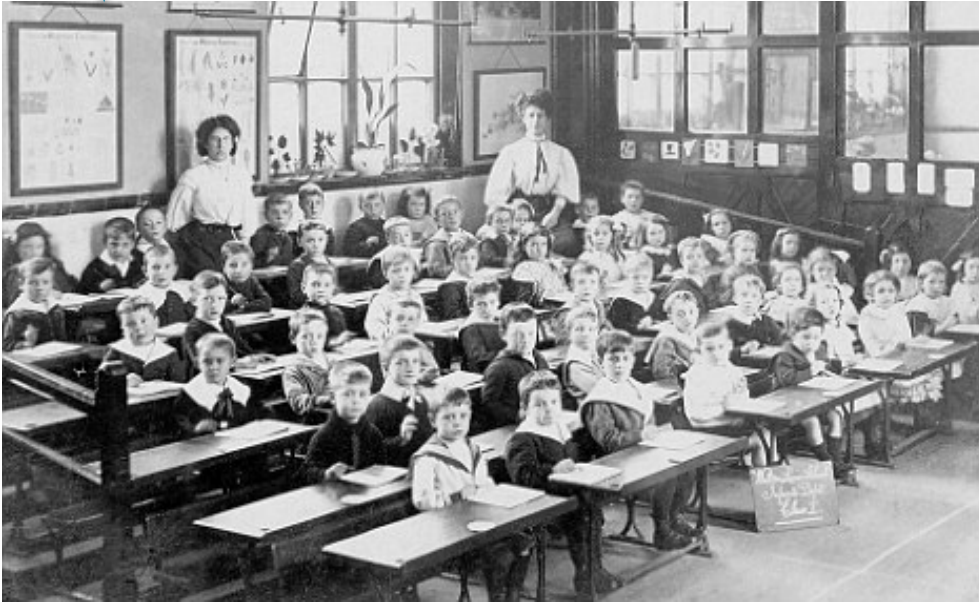


A car from 1912



A car used now!

Classroom then!



Classroom now!



Students start to become more introvert and less expressive!



Our Solution:

Provide students such an environment where all the classmates are of similar interests, capabilities, and learning speed so that, they could drop their inferiority complex and focus on learning.

Model:

- Machine Learning Model, using K-means Algorithm to group students of different minds and interests into different groups so as to give them unique education.
- Considered several important yet neglected traits of student as features like *intelligence level, sense of humour, interest in various fields like arts, music, sports, dance, etc, reading skills, writing skills, kindness, honesty level and many more*. **Total number of features used are 40**
- Training data has been collected by several researches on internet, and observing various trends in student's daily lives. **Number of examples used to train model are 10,000 (Created using Artificial Data concept).**
- Test set data be created by a question paper for every student, where each question contributes some value to one or more features. **Test set data contains 150 examples with 40 features.**
- Applied **trained** K-means Algorithm to group students in suitable groups.
- Finally we generate a list showing final group of each student and a histogram showing number of students in each group.