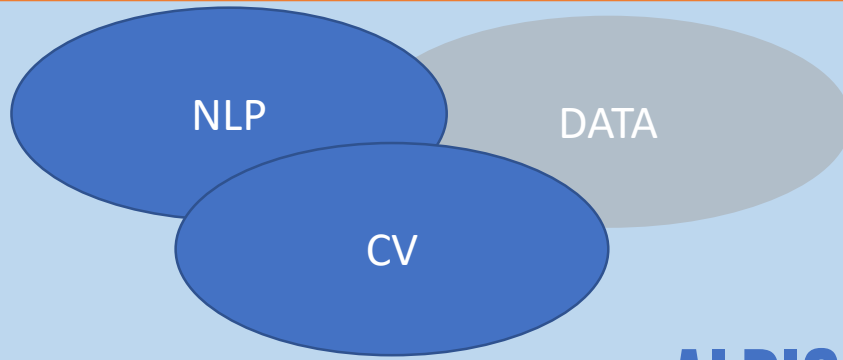




# CBSE – Intel AI 4 Youth Projects



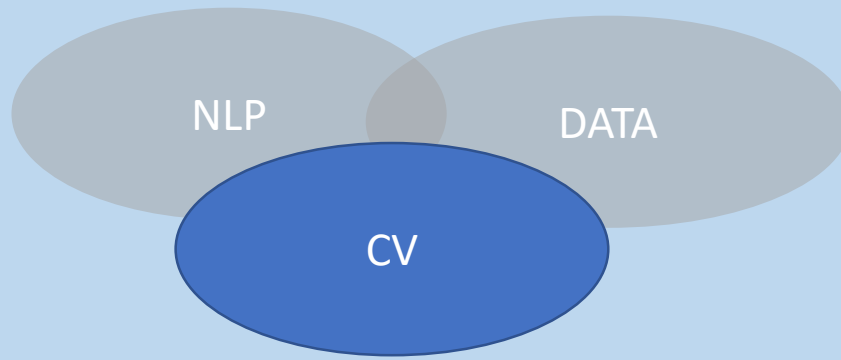
## AI DIGI-CHUTE

An AI based system which first converts a hand written complaint (from 8 languages) into a digitized format; then scans the text to detect key words and accordingly identifies the relevant government department. An email is then sent to them with the complaint and the original complaint document is returned with a '*RECEIVED*' stamp.



Ansh Tulsyan &  
Rohan S Nair

Delhi Public School,  
Bangalore East,  
Bengaluru



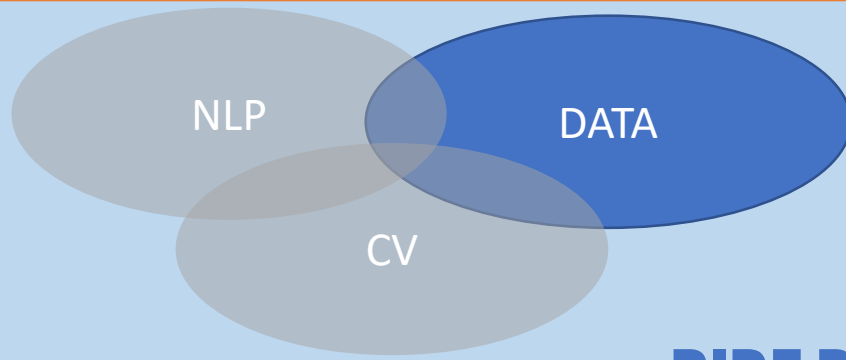
## AI UNIFORM INSPECTOR

A computer vision based inspection system to check on students uniform automatically before students enter the classroom. It accordingly assigns credit points to the students which can later be redeemed at the library, canteen etc.



Varun Arora &  
Omera Yusuf

Delhi Public School,  
Bangalore East,  
Bengaluru



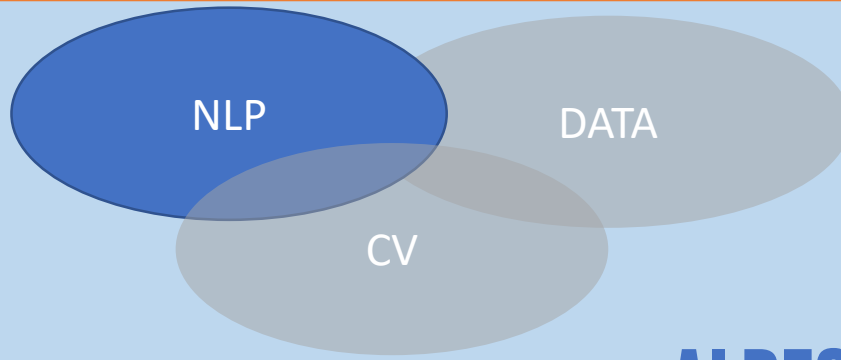
## RIDE RATER

A tracking system for school bus drivers to keep a tab on key factors such as drivers' speeding habits, frequency of sudden halts, how they drive around potholes, etc. providing analyzed data to school management enabling them to take corrective measures. This system ensures the safety of students while commuting on the school bus.



John Seegler &  
Aryan Mishra

Royale Concorde  
International  
School, Kalyan  
Nagar, Bengaluru



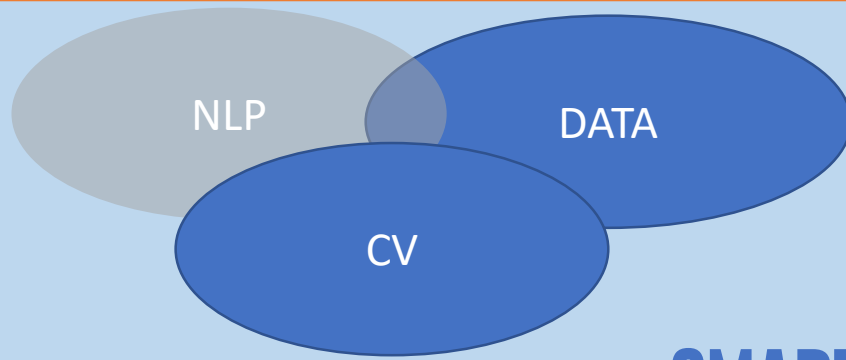
## AI RECEPTIONIST

An AI powered voice enabled chatbot equipped and trained to answer queries at the school reception in a human-like interface. The chatbot can also print out a list of FAQs if requested.



Rishabh  
Bezbarua

Delhi Public School,  
Bangalore East,  
Bengaluru



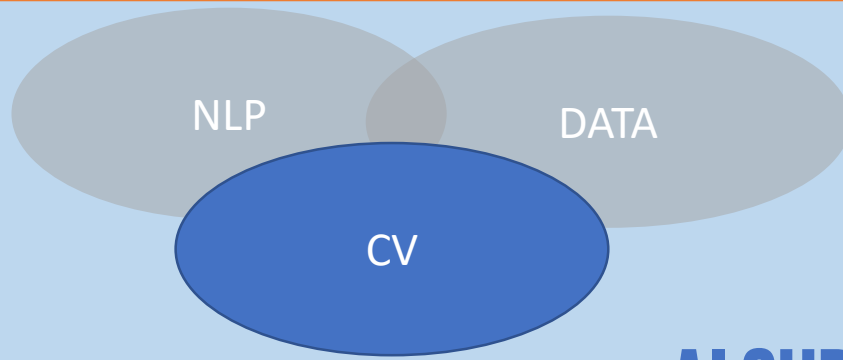
## SMART FOOD PLANNER

An AI model trained to help reduce food wastage by predicting the exact quantity of food required to be prepared every day on the basis of past data of food wastage/ usage. The system captures quantity of left over food dishes at the end of the day and analyses this data to suggest an appropriate quantity of food dishes to be prepared for any specified date in future.



Abhroneel  
Ghosh & Anas  
Faham

Delhi Public School,  
Bangalore East,  
Bengaluru



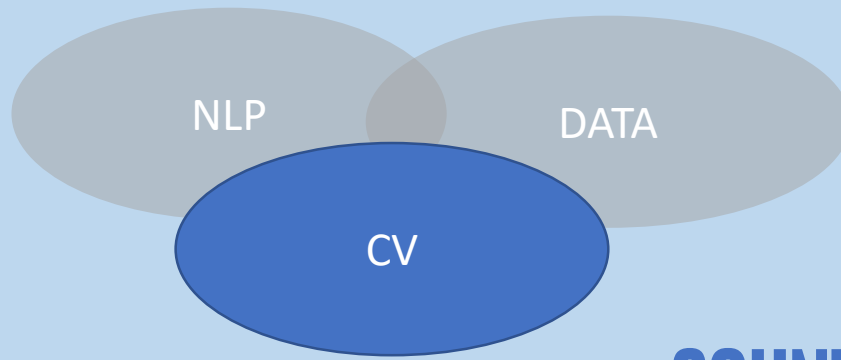
## AI SURVEILLANCE SYSTEM

A drone based system to monitor students and detect violent behavior in the school playground. The system recognizes unethical behavior like physical fights or bullying which might result in the students getting hurt, and immediately alerts concerned authorities by sending a notification.



Shivam Gupta &  
Shreyal Gupta

ITL Public School,  
Dwarka, New Delhi



## COUNTERFEIT INSPECTOR

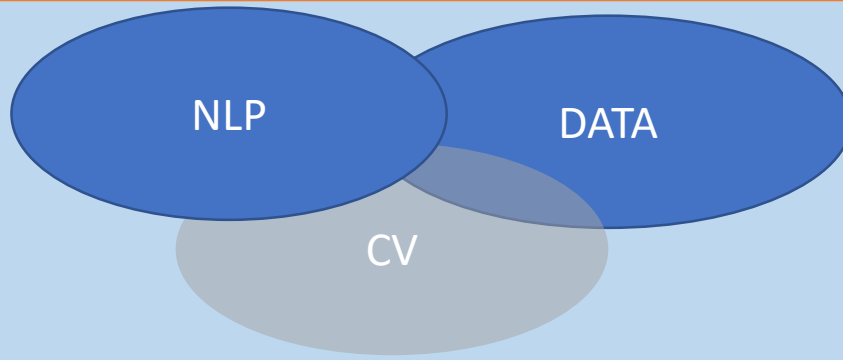
A computer vision based system powered to check for signature forgery thereby eliminating instances of frauds in banks, schools etc. The AI enabled system is trained to recognize and authenticate original signatures on the basis of pre-fed data and is capable of declaring if a signature has been forged or not.



Suvid Singhal &  
Ayush Sharma

Salwan Public  
School, Gurgaon





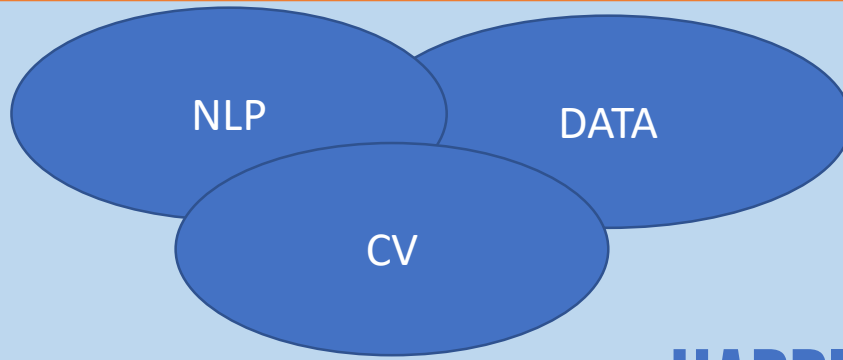
## 'BOOKFLIX' – A PERSONALIZED LIBRARY ASSISTANT



A personalized AI library assistant which suggests books to students based on their past reading history, author and genre preference. This saves the browsing time and provides personalized options enabling readers to pick up varied books.

Abhiram  
Vijayaraj &  
Atharv Dhuvad

Royale Concorde  
International  
School, Kalyan  
Nagar, Bengaluru



## HAPPINESS GURU

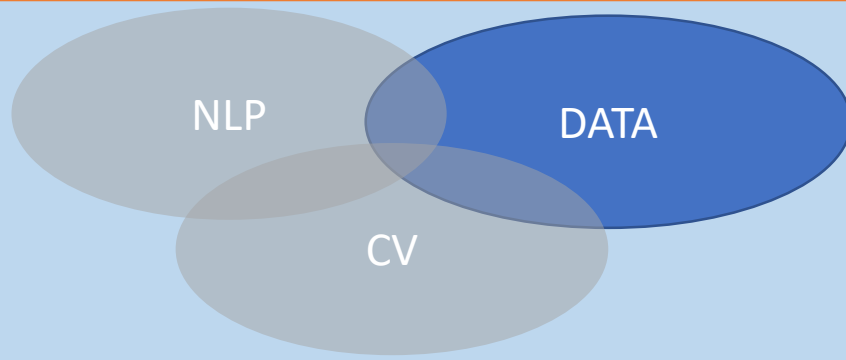
An AI model which can predict the onset of depression amongst school children and notify concerned teachers and guardians in case of any symptom detection.

A unique data set spanning over 700 test cases of Indian school students aged between 14 – 16 years was curated and results were verified by professionals to validate system's prediction



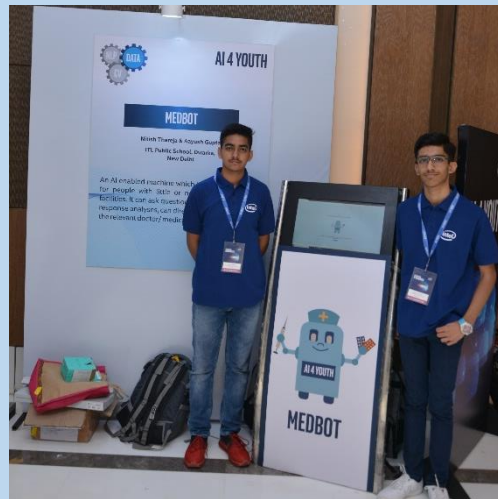
Sania Saini and  
Harshita  
Rachhoya

Salwan Girls Sr. Sec.  
School, New Delhi



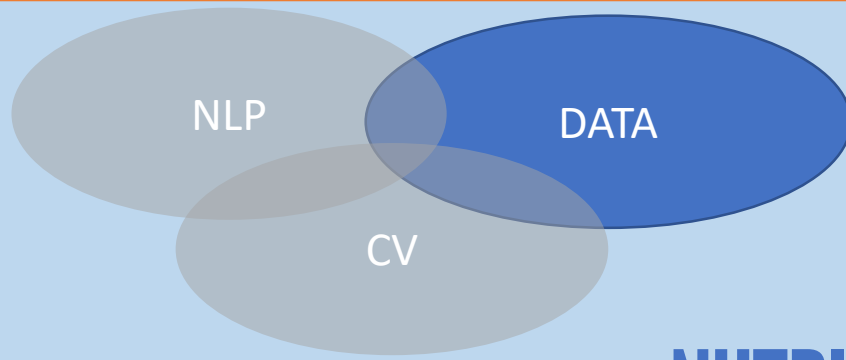
## MEDBOT

An AI enabled machine which is an easy interface for people with little or no access to medical facilities. It can ask questions and on the basis of response analyses, can direct the patients/ user to the relevant doctor/ medical practitioner.



Nitish Thareja &  
Aayush Gupta

ITL Public School,  
Dwarka, New Delhi



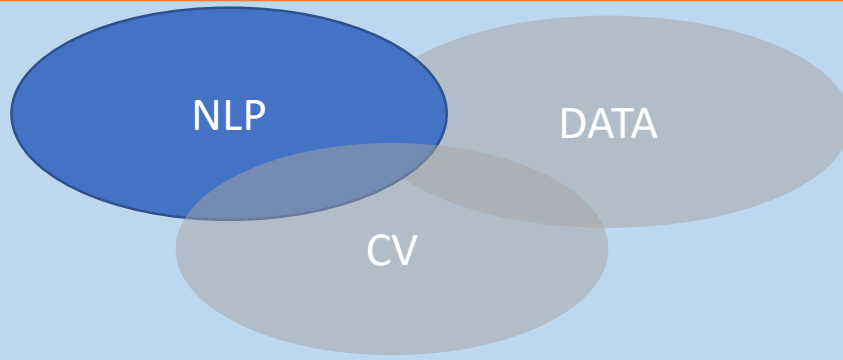
## NUTRI-BYTES

An AI based system to ensure that students get proper nutritional meals at optimal prices. This system recommends dishes to be added to the menu on the basis of the nutritional value and current market price of main ingredients. A ratio of nutrition vs price is maintained to get the best combination and value for money.



Disha Himani &  
Manaswini  
Vuddagiri

Royale Concorde  
International  
School, Kalyan  
Nagar, Bengaluru



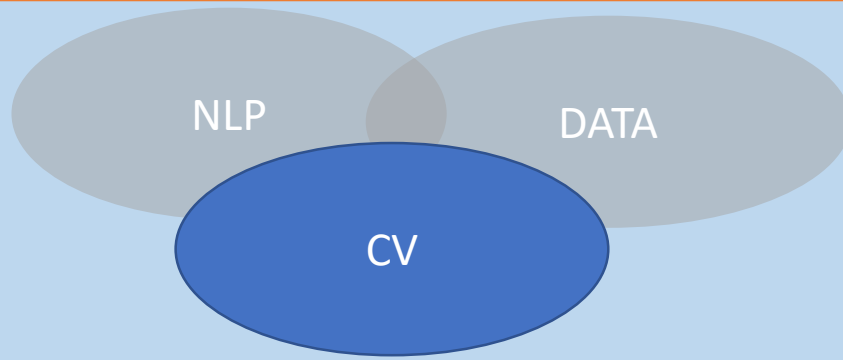
## SCI-BOT

An AI enabled system which can provide ready reference and answers to student queries related to the school curriculum. This system will ensure prompt and precise information scraped directly from the appropriate chapter thus helping students save time and effort involved in using random search engines.



Vishesh  
Sachdeva

Salwan Public  
School, Rajendra  
Nagar New Delhi



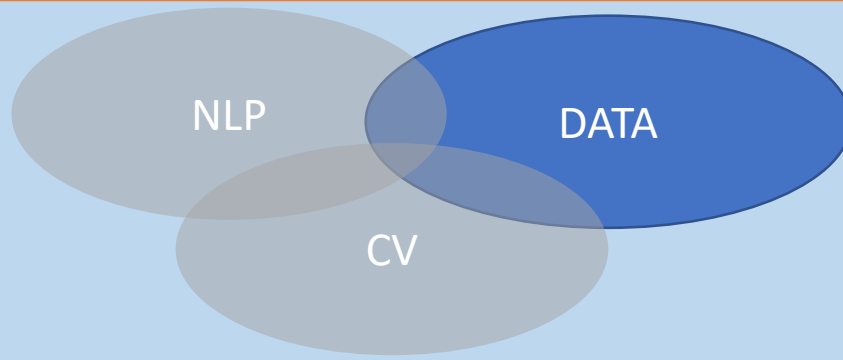
## DROWSINESS MONITOR

An AI enabled system to ensure the safety of passengers and pedestrians by detecting drowsiness of the driver. This system will help in reducing road accidents by alerting the driver, raising an alarm and keeping him awake.



Khushi Pandey &  
Bhumika Sharma

Kasturba Balika  
Vidyalaya, New  
Delhi



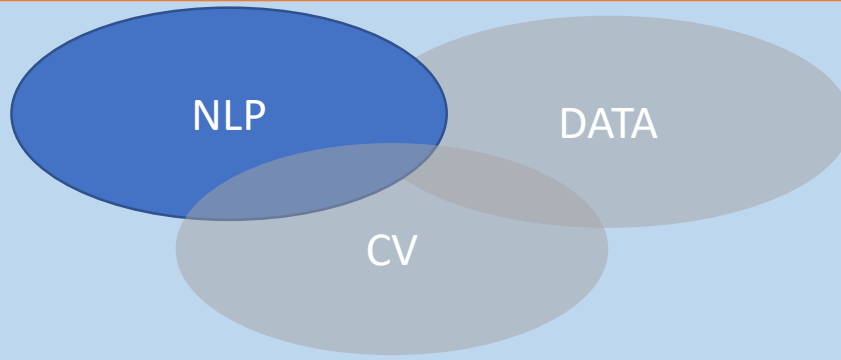
## GRADE PREDICTOR

An AI enabled model trained to predict the grades a student can secure on the basis of providing inputs like previous grades, and demographic details. This system is useful in analyzing study patterns and motivating students to improve their grades by making simple adjustments and choices.



Nandini  
Natarajan &  
Kaashvi R

Royale Concorde  
International  
School, Kalyan  
Nagar, Bengaluru



## CYBER DETECTIVE

An AI enabled system which can detect improper posts on social media and flag them instantly. This system can be deployed on social media platforms to ensure healthy exchange of conversation and posts, thus reducing the chances of improper language usage and cyber bullying.



Rahul Jaikrishna  
& Kushaagra  
Ajmera

Delhi Public School,  
Bangalore East,  
Bengaluru