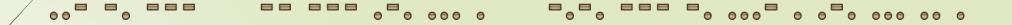
## Uno Morse Conversie



#### PROBLEM STATEMENT

"Conversion of Morse signal into Audio signal using Kmeans Clustering"

# **OBJECTIVES**

- Making job of Secret agents like RAW, CBI, SPYs easier
- Conversion of secretly transmitted Morse signal into Audio signal within seconds
- I Transmission of secret signal with just one button
- Any alphabet, any symbol, any number can be transmitted by just one button

### PROPOSED METHODOLOGY

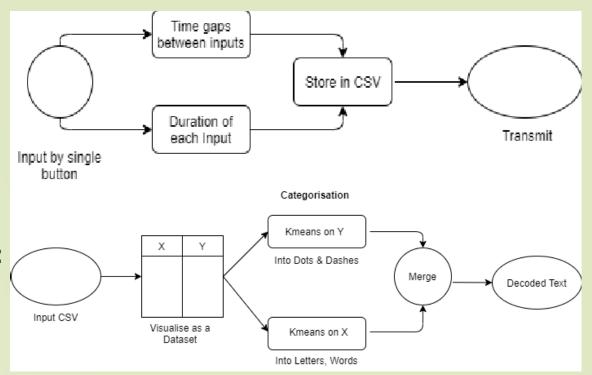
Can be divided into 3 parts:

- Taking input from user, converting into csv
- Conversion of this csv into text using Machine Learning concept i.e., Kmeans clustering
- Converting this text into Audio using gTTs library

## ARCHITECTURAL DIAGRAMS

Input Mechanism:

Conversion mechanism:



## RESULTS

Input is converted into csv, then categorised using ML in this way:

	X lak	oels	Y labels
0		2	- 0
1		0	1
2		0 2 0	1
2		0	0
4		0	0
85		2	0
86		2	1
87		2 0 2	0
88		2	1
89		1	0
[90	rows	x 2	columns]
30410030			

Categorised data is converted into text:

[20] #Decoded Text print(word)

Text is converted into Audio:

audio=Audio('output.wav')
audio

□→ 0:00 / 0:03 — → →

Time of Execution: