

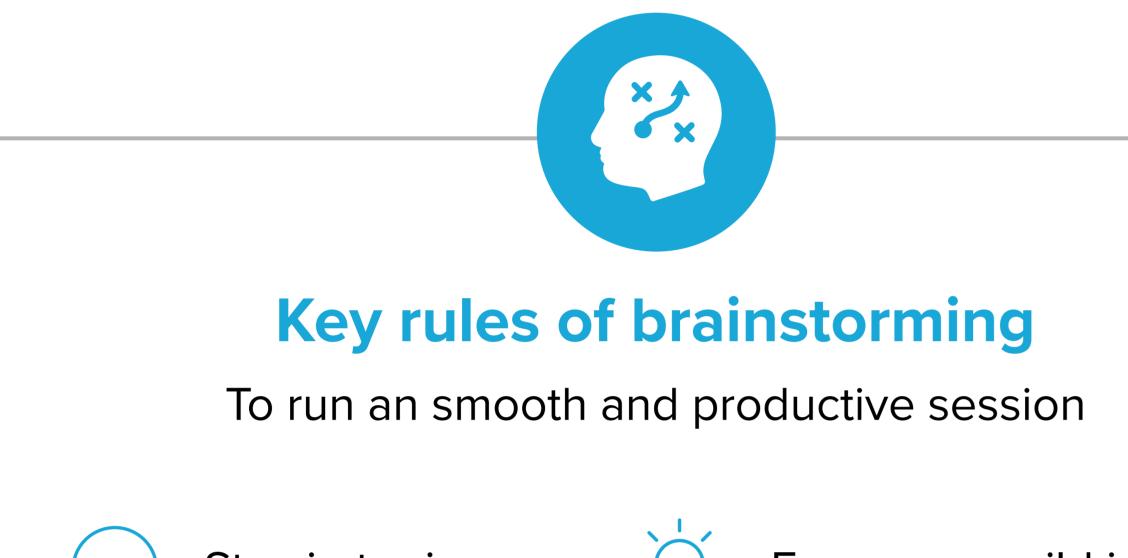
Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

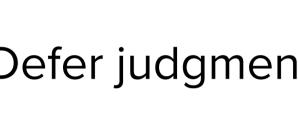
PROBLEM

a digit and recognizes the digit present in the image.

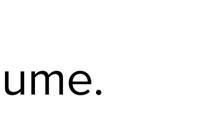




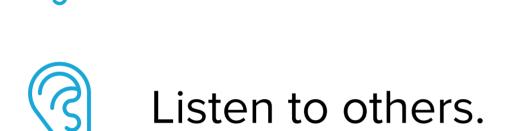








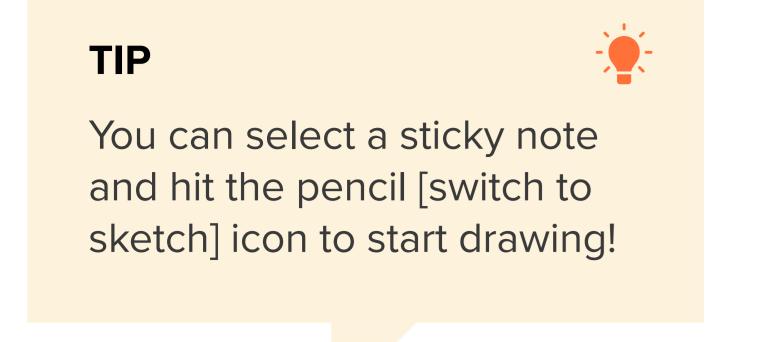




Brainstorm

Write down any ideas that come to mind that address your problem statement.





Akshaya K B

The recognition process should be streamlined	Ease of use must be prioritized	The type of paper to be scanned, it's quality, and any lines on the surface should also be accounted for
The recognition system should also be able to overcome any faults of the	The file of extracted digit values must be of small size for easier storage	The extracted values must be arranged and stored in an organized

Baraniya S

J arary		
Uniqueness and variety in the handwriting of different individuals	Size, width, orientation differ from writing of person to person	Similarity between digits such as 1 and 7, 5 and 6, 3 and 8, 2 and 5, 2 and 7, etc. has to be taken care of
Recognition of limited characters from 0-9 makes the task easier	Human effort can be reduced in the recognition process	A combination of different algorithms like Deep Learning/CNN, SVM, Gaussian Naive Bayes, KNN, Decision Trees, Random Forests, etc. can be used

Mrithula Angeline M J

Able to handle large quantities of text being inputted	Digits should also be recognizable in watermarked images	To recognise digits writted in different language numerics
Provide high accuracy of recognizing digits	Fully digitalized to avoid manpower	Digit Recognition System to be implemented in offline mode as well

Poonam B N

handwriting to be recognized is digitized through scanners or cameras	image of the document is segmented into lines, words, and individual characters	each character is recognized using OCR techniques
errors are corrected using lexicons or spelling checkers	Offline and online detection should be made available	Scan and read digits for blind people
Create, train and evaluate the model. Analyze the accuracy of the digits	To recognize the different hand written languages	Build an application using Python (Django)

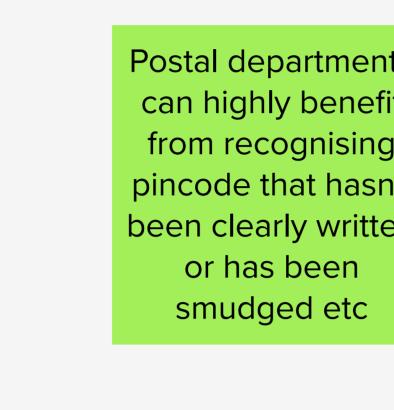


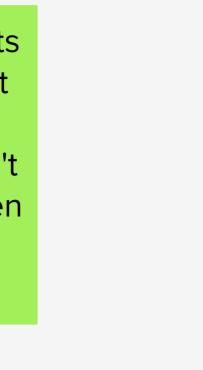
Group ideas

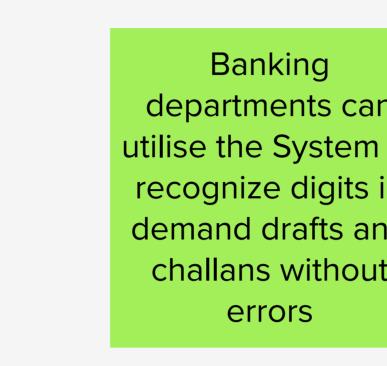
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

① 20 minutes

Private Sectors



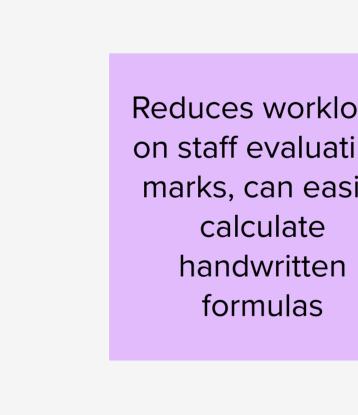


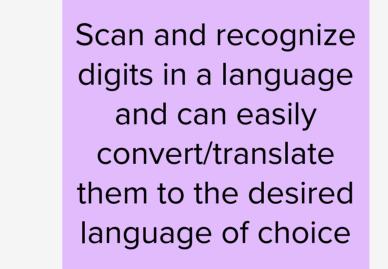


Applications

Scan and read
handwritten
digits for
physically
challenged
people

Education







Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

① 20 minutes



