

「「APi | Ai Mosaic Mosaic Problem Statement for Round 1

Task:

In today's ever-evolving & fast-paced world, we at Udyam believe it is essential for us to stay in touch with our roots. Your task is to implement a **Handwritten Hindi Word Recognizer**. The maximum character set for the dialect is as given below:

अ आ इ ई उ ऊ ऋ ए ऐ ओ औ अं अ:

Consonant

क ख ग घ ङ च छ ज भ ञ ट ठ ड ढ ण त थ द ध न प फ ब भ म य र ल व श ष स ह क्ष त्र ज्ञ







Marking Scheme:

All teams will be required to provide us their character set before evaluation. After which, we will test the model on increasing word lengths & complexity.

For a word of length 'x', the team will be given the following points if word is **correctly** recognized -

- a) Character Set size > 10 then 2*x
- b) Character Set size > 15, then 3*x
- c) Character Set size > 20, then 4*x
- d) Character Set size > 25, then 5*x

(Note: A letter is also a word of length = 1)

+5 to +20 **Bonus points** will be awarded for each innovative feature implemented in the Solution. Points to be given will be strictly decided by co-ordinators.

Submission Instructions:

- 1. The deadline for PS Submission is 12th April 23:59.
- Each team has to mail the following files in a folder to mosaic.udyam@gmail.com
- character.txt file for the character set chosen
- main.py file which would take captcha.jpg as input and give the corresponding output.
- model.h5 file for the trained model.
- 3. The subject of the mail should be in the format 'TeamName Round1'.
 - 4. Only one submission per team will be accepted.
- 5. Any additional feature if made needs to be clearly mentioned in the mail.









Rules/Guidelines for submission:

- The organizers reserve the right to change the rules as they deem fit. Change in any rules, if any will be notified on the Website and the Whatsapp group.
- Each team's code will be verified by coordinators and should not be a complete match to others. In case of suspected cheating, the team will be immediately disqualified.
- 3. The participation certificate will be awarded to teams scoring a total of at least 5 points.

Contacts:

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