SUMMER CHALLENGE ON WRITER VERIFICATION (NCVPRIPG'23)

Important Dates

Event	Deadline
Release of *Test Data* (*Semifinal*)	29th June 2023
Last date for submitting the results (*Semifinal*)	30th June 2023
Last date for submitting the *trained* and *inference* models	30th June 2023
Leaderboard updates (*Semifinal*)	1st July 2023
Last date to submit a *write-up* about the submitted solution	10th July 2023
NCVPRIPG-2023 Conference Dates	21-23 July 2023

- This dataset* consists of *Handwritten Text Images* in **Hindi**.

- The **train** folder contains 1,352 subfolders
  - Each subfolder represents a different writer.
  - The images in each subfolder are samples of handwritten text written by that writer.

- The **val** folder contains 730 handwritten text images from 92 writers.
  - You are provided with a *val.csv* file, which contains the labels for the validation data.
  - Each row contains the names of an image pairs followed by a label (1 or 0), indicating whether the two images were written by the same writer or different writers.

- **Problem Statement** : Given a pair of handwritten Hindi Text images, the task is to automatically determine whether they are written by the same writer or different writers.

Note(*) : All the participants are requested to read the *Disclaimer* for the dataset provided and abide by those rules and regulations to ensure the appropriate data-usage and sharing.

Training Data

- There are 1,352 Unique writers

- Every writer has different number of images (Min: 4 and Max:12)

- A total of 11,113 Images

Number of Images	4	5	6	7	8	9	10	11	12
Folder Count (Writer)	180	102	133	144	107	149	180	204	153

Sample Images for Same Writer
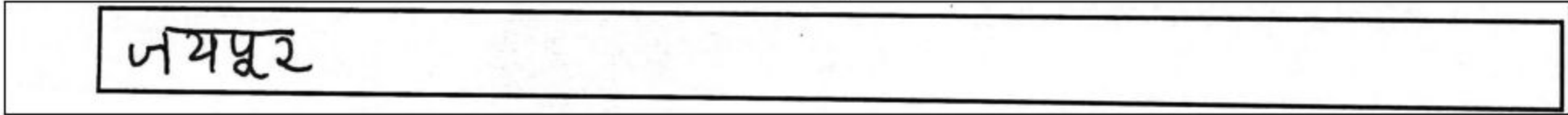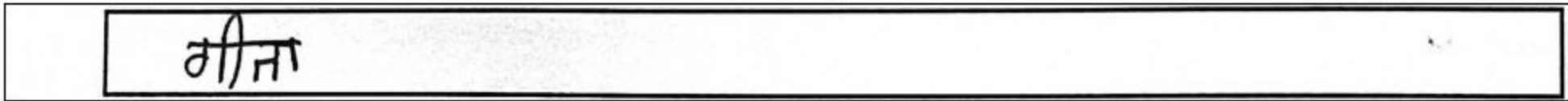
Sample Image-1

फ़रवरी

Sample Image-2

इन वाक्यों को अपनी लिखवट में लिखिए - राम एक लड़का है। उन की बहन का नाम गीता है। गीता जो छपुर में रहती है।

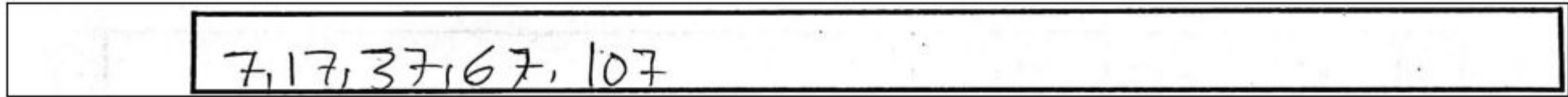# Sample Images for Same Writer

Sample Image-1

जयपूर

Sample Image-2

गीता

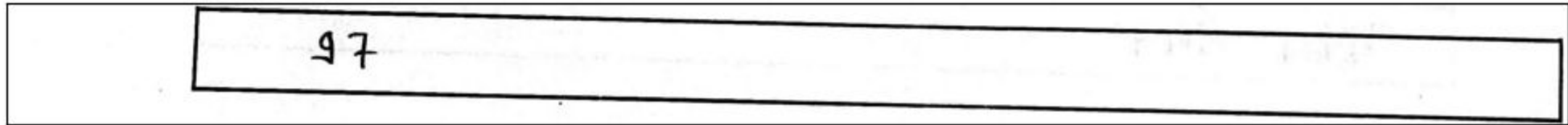# Sample Images for Different Writer

Sample Image-1

7,17,37,67, 107

Sample Image-2

97

Sample Images for Different Writer

Sample Image-1

Sample Image-2

फ़ुटबॉल

180॰

स्टडर्ड जैंतर

1983

नरैन्द्र मोदी

2

राजेन्द्र प्रसाद

अमरावति

861

राजस्थान

श्री नरेन्द्र दामोदर दास मोदि

डॉ॰ राजेन्द्र प्रसाद

6

प्रकाश संश्लेषण

प्रकाश संश्लेषण की क्रिया पौधों में होती है।

श्वसन

श्वसन की क्रिया जन्तुओं में होती है।

Image Pairs from Same-Writers

Number of Images (N)	Folders Count (Writer)	NC2	Total Combinations
4	180	6	1,080
5	102	10	1,020
6	133	15	1,995
7	144	21	3,024
8	107	28	2,996
9	150	36	5,400
10	179	45	8,055
11	204	55	11,220
12	153	66	10,098
Total	*1,352*	*-*	*44,888*

There are 44,888 pairs of images from same writers

Awards and Recognition

Cash prizes(in INR):*

- Winner: 15K
- First Runner-up: 10K
- Second Runner-up: 5K

Other Rewards

- Free registration to top-5 teams in NCVPRIPG'23
- Opportunity for summer internship in IITJ
- Paper writing collaboration
- Certificate to each participant

Note(*): It is mandatory to attend the NCVPRIPG'23 in person in order to be eligible for the prize and certificates.

Announcement | Submission Format

We have changed the format of submission file to include "Prediction Probability"

	A	B	C	D
1	img1_name	img2_name	label	proba
2	70a4ba9a.jpg	58f68a00.jpg	1	0.827690214504325
3	e15b612e.jpg	16ce5df2.jpg	1	0.287553209518795
4	6c64d988.jpg	735d3636.jpg	0	0.409834958768257
5	b74681a6.jpg	cb50496d.jpg	1	0.738234821121418
6	c97aa428.jpg	6f9dc747.jpg	1	0.0896277746246755
7	23969280.jpg	fd7a914f.jpg	1	0.581522642329537
8	23969280.jpg	dca9e7fe.jpg	0	0.26304899644146
9	09ea1534.jpg	04cb5b16.jpg	1	0.626883746831911
10	23d1c8a9.jpg	10b878aa.jpg	1	0.983085748629377
11	c8d41fc7.jpg	5f53b367.jpg	1	0.776549132198367
12	7d8f56f0.jpg	3e3fcec9.jpg	0	0.291533164088104
13	dca9e7fe.jpg	3ed9d059.jpg	0	0.285692074829895

Announcement | Leaderboard

Leaderboard:
- We shall share a google-form link to submit your prediction (.csv) files
- Leaderboard shall be updated based on this
- One team can submit upto **10** number of submissions
- Leaderboard will be updated twice a week

Leaderboard

This leaderboard is based on predictions on validation set. Submit your predictions to see where you stand against the baseline.

Make your submission here

Team	F1 Score	AUC
Baseline	0.72	0.65

Leaderboard now live on the website!

https://vl2g.github.io/challenges/wv2023/#leaderboard