

Multilingual OCR and Transliteration

Example Test Cases

1) Test Case 1:

a) Output from the Text Detection Model:



b) Output from Text Extraction

ऑटो रपियरिंग सेंटर

c) Output from Transliteration

Extracted Hindi Text: ['ऑटे', 'रपियरिंग', 'सेंटर']

Hindi: ऑटे --> Transliterated: [otte](#)

Hindi: रपियरिंग --> Transliterated: [rupiring](#)

Hindi: सेंटर --> Transliterated: [center](#)

2) Test Case 2:

a) Output from the Text Detection Model:



b) Output from Text Extraction:

गांधी मानव राष्ट्रीय इन्दिरा

c) Output from Transliteration:

Extracted Hindi Text: ['गांधी', '.|Fव', 'राष्ट्रीय', 'इन्दिरा']

Hindi: गांधी --> Transliterated: [gandhi](#)

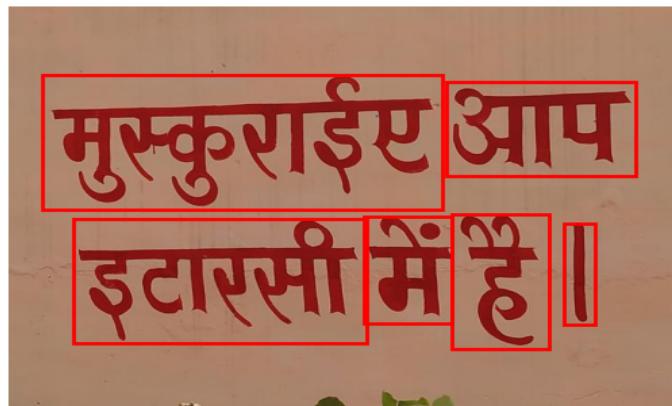
Hindi: .|Fव --> Transliterated:

Hindi: राष्ट्रीय --> Transliterated: [rashtriy](#)

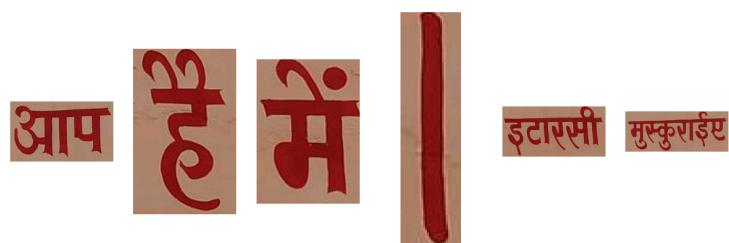
Hindi: इन्दिरा --> Transliterated: [indira](#)

3) Test Case 3:

a) Output from the Text Detection Model:



b) Output from Text Extraction:



c) Output from Transliteration:

Extracted Hindi Text: ['आप', 'ह', 'में', ' ', 'इटारसी', 'मुस्कुराइए']

Hindi: आप --> Transliterated:

Hindi: ह --> Transliterated:

Hindi: में --> Transliterated:

Hindi: --> Transliterated:

Hindi: इटारसी --> Transliterated: [itarsi](#)

Hindi: मुस्कुराइए --> Transliterated: [muskuraee](#)

4) Test Case 4:

a) Output from the Text Detection Model:



b) Output from Text Extraction:

राशीका स्टेरानरी फोटोकापी साफ्टेरानरी फोटो

c) Output from Transliteration:

Extracted Hindi Text: ['राशीका', 'स्टेरानरी', 'फोटोकापी', ',
'फोटो']

Hindi: राशीका --> Transliterated: [rashika](#)

Hindi: स्टेरानरी --> Transliterated: [steranri](#)

Hindi: फोटोकापी --> Transliterated: [fotocopi](#)

Hindi: --> Transliterated:

Hindi: फोटो --> Transliterated: [foto](#)

5) Test Case 5:

a) Output from the Text Detection Model:



b) Output from Text Extraction:



c) Output from Transliteration:

Extracted Hindi Text: ['इटारसी', 'vख2च TARSI', 'sCkkal TARSI', 'शी', 'इटK५']

Hindi: इटारसी --> Transliterated: **itarsi**

Hindi: vख2च TARSI --> Transliterated: **chh**

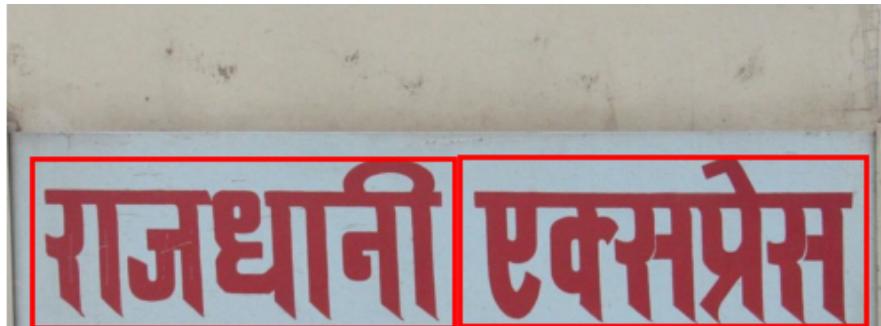
Hindi: sCkkal TARSI --> Transliterated:

Hindi: शी --> Transliterated:

Hindi: इटK५ --> Transliterated: **t**

6) Test Case 6:

a) Output from the Text Detection Model:



b) Output from Text Extraction:

राजधानी एक्सप्रेस

c) Output from Text Extraction:

Extracted Hindi Text: ['राजधानी', 'एक्सप्रेस']

Hindi: राजधानी --> Transliterated: rajdhani

Hindi: एक्सप्रेस --> Transliterated: express

7) Test Case 7:

a) Output from the Text Detection Model:



b) Output from Text Extraction:



c) Output from Text Extraction:

Extracted Hindi Text: ['जी', ' ', ' ', 'एल', 'फार्मा']

Hindi: जी --> Transliterated: g

Hindi: --> Transliterated:

Hindi: --> Transliterated:

Hindi: एल --> Transliterated: l

Hindi: फार्मा --> Transliterated: farma

8) Test Case 8:

a) Output from the Text Detection Model:



b) Output from Text Extraction:

लेमिनेशन फोटो कापी

d) Output from Text Extraction:

Extracted Hindi Text: ['लेमिनेशन', 'फोटे', 'कापी']

Hindi: लेमिनेशन --> Transliterated: [leminatine](#)

Hindi: फोटे --> Transliterated: [fote](#)

Hindi: कापी --> Transliterated: [paapi](#)