Although English is the official language of India, it still remains difficult for major Indian internet users to generate content online in English.

Challenges faced by communities in India over internet usage are:

- Lack of content
- Lack of awareness
- Infrastructural challenges

**How to create content in regional languages?**

1. **Google Indic Keyboard**

Google Indic Keyboard allows you to type messages, update on social networks or compose emails in your own native language on your Android phone.

Google Indic Keyboard lets you use your regional language for typing in order to create content in language you are comfortable in.

- Available in 11 Indian languages. Currently it includes the following keyboards:
  - English keyboard
  - Assamese keyboard (অসমীয়া)
  - Bengali keyboard (বাংলা)
  - Gujarati keyboard (ગુજરાતી)
  - Hindi keyboard (हिंदी)
  - Kannada keyboard (ಕನ್ನಡ)
  - Malayalam keyboard (മലയാളം)
  - Marathi keyboard (मराठी)
  - Odia keyboard (ଓଡ଼ିଆ)
  - Punjabi keyboard (ਪੰਜਾਬੀ)
  - Tamil keyboard (தமிழ்)
  - Telugu keyboard (తెలుగు)

On your phone, if you can read your language in its native script above, you may install and use Google Indic Keyboard to input your language; otherwise your phone may not support your language.
The app can be downloaded from Google Play store:
You can choose the language you would like to type in (keyboard) from the list of 11 Indian languages that appear:
Google Indic Keyboard supports different modes of input:

- Transliteration mode - Get output in your native language by spelling out the pronunciation using English letters (For example, “namaste“ -> “नमस्ते“.)
- Native keyboard mode - Type directly in native script.

- Handwriting mode (currently available for Hindi only) - Write directly on your phone screen.
- Hinglish mode - If you choose “Hindi” as an input language, the English keyboard will suggest both English and Hinglish terms.

How can I enable it on phone and set it as the default keyboard?

- On Android 5.x and newer versions:

Open Settings -> Language & Input, under “KEYBOARD & INPUT METHODS” section, go to Current Keyboard -> Choose Keyboards -> Check “Google Indic Keyboard” -> back to “Language & input” -> Current Keyboard -> Select “English & Indic Languages (Google Indic Keyboard)” When typing in an input box, you can also change the default input method by clicking the keyboard icon on the bottom right corner of the screen.

- On Android 4.x:

Open Settings -> Language & Input, under “KEYBOARD & INPUT METHODS” section, check Google Indic Keyboard, then click Default and select “Google Indic Keyboard” in the “Choose input method” dialog.
When typing in an input box, you can also change the default input method by selecting “Choose input method” in the Notification area.
2. Google Handwriting Input

Google Handwriting Input is an app that reads your handwriting, so you can write directly on your screen instead of using a keyboard. It adds an extra keyboard option to your device, which you can use in any app where you need to type.

- An app where you can write with your finger rather than typing
- Allows you to handwrite text on your phone or tablet in 9 regional languages
- It supports printed and cursive writing, with or without a stylus
- Only applicable for touch screens
- For touch screen phone and tablet
Settings:

There are two options:
1. Go to "Settings -> Languages & input -> Google Handwriting Input Settings"
2. Alternatively, long-press the globe button to open the Google Handwriting Input Settings directly.

3. Google Translate

Visit [www.translate.google.com](http://www.translate.google.com)
Also available on Google Play

Through Google Translator, you can translate your content in any regional or international language.
It provides with a voice application as well where one can type by speaking what they want to type.
You can choose the language in which you would like to type and the language you would like the text to be translated in.
You can translate the content in any regional language of your choice (out of 11 Indian languages available)
It provides you with three translating options namely – Inscript, Phonetic, Handwrite
**Inscript:** where the keyboard will appear in the regional language itself.
**Phonetic:** If you want to type Hindi on an English keyboard, the keyboard will type based on the phonetics. For ex. Refer the image below. (You use English phonetics to type in Hindi)

![Google Translate](image-url)
Handwrite: a keyboard where you can write the text with your finger or a stylus.
4. **Google Noto fonts**

Fonts for Indian languages used for content creation can be downloaded from below link. Visit [www.google.com/get/noto/](http://www.google.com/get/noto/)

![Google Noto Fonts](image)

5. **AMP (Accelerated Mobile Pages)**

The AMP Project is an open-source initiative aiming to make the web better for all. The project enables the creation of websites and ads that are consistently fast, beautiful and high-performing across devices and distribution platforms.

6. **Progressive Web Page**

Progressive Web Apps are user experiences that have the reach of the web, and are:

- **Reliable** - Load instantly and never show the downasaur, even in uncertain network conditions.
- **Fast** - Respond quickly to user interactions with silky smooth animations and no janky scrolling.
- **Engaging** - Feel like a natural app on the device, with an immersive user experience.