**STEP BY STEP GUIDE FOR ENGLISH TO HINDI TRANSLATION USING MOSES**

IMPORTANT: Preferably install all the given tools and data in the home directory (i.e. ~/).

STEP 1: Downloading Moses and Installing Necessary Packages

1. Open Terminal.
2. git clone <https://github.com/moses-smt/mosesdecoder.git>
3. sudo apt-get install [package name]

PACKAGES: 1. g++

2. git

3. subversion

4. automake

5. libtool

6. zlib1g-dev

7. libboost-all-dev

8. libbz2-dev

9. liblzma-dev

10. python-dev

11. graphviz

12. imagemagick

13. make

14. cmake

15. libgoogle-perftools-dev

16. autoconf

17. doxygen

**NOTE**: In case you get the error “Unable to locate package”, try re-generating your /etc/apt/sources.list from the given link : [https://repogen.simplylinux.ch](https://repogen.simplylinux.ch/).

STEP 2: Boost Installation

1. wget <https://dl.bintray.com/boostorg/release/1.64.0/source/boost_1_64_0.tar.gz>
2. tar zxvf boost\_1\_64\_0.tar.gz
3. cd boost\_1\_64\_0/
4. sudo apt-get update
5. sudo apt-get install build-essential g++ python-dev autotools-dev libicu-dev build-essential libbz2-dev
6. ./bootstrap.sh --prefix=/usr/local
7. n=`cat /proc/cpuinfo | grep "cpu cores" | uniq | awk '{print $NF}'`
8. sudo ./b2 --with=all -j $n install
9. sudo sh -c 'echo "/usr/local/lib" >> /etc/ld.so.conf.d/local.conf'
10. sudo ldconfig

STEP 3: Installing CMPH

1. Download cmph-2.0 from: <https://sourceforge.net/projects/cmph/>
2. tar zxvf cmph-2.0.tar.gz