Below are some of the important papers and articles we read as well as some important tools which we experimented with.

Title -- Intro to Automatic Keyphrase extraction
Link -- http://bdewilde.github.io/blog/2014/09/23/intro-to-automatic-keyphrase-extraction/
Brief Description -- This article gave a detailed overview of how keyphrase extraction is done, different techniques for doing the same and their pros and cons.

Title -- Automatic Keyphrase Extraction: A Survey of the State of the Art
Link -- http://www.hlt.utdallas.edu/~saidul/acl14.pdf
Brief Description -- This article gave survey about the techniques used in keyphrase extraction. Discussing pros-cons between them.

Title -- TextRank: Bringing Order into Texts
Link -- http://www.aclweb.org/anthology/W04-3252
Brief Description -- This article discuss about the TextRank algorithm which is used for keyphrase extraction.

Title -- SG-Rank: Combining Statistical and Graphical Methods to Improve the State of the Art in Unsupervised Keyphrase Extraction
Link -- http://www.aclweb.org/anthology/S15-1013
Brief Description -- This article discuss about the SGRank algorithm which is used for keyphrase extraction.

Title -- word2vec
Link -- https://code.google.com/archive/p/word2vec/
Brief Description -- This articles tells about how a word can be represented into a vector format.

Title -- Getting Started with keyword Extraction
Link -- http://textminingonline.com/getting-started-with-keyword-extraction
Brief Description -- This blog tells about the open source tools available for keyword extraction.

Title -- Indic NLP library
Link -- http://anoopkunchukuttan.github.io/indic_nlp_library/
Brief Description -- This library give functionalities like - text normalization, script information, tokenization, word segmentation, romanization etc for Indian languages.

Title -- Morfessor-2.0
Link --
https://aaltodoc.aalto.fi/bitstream/handle/123456789/11836/isbn9789526055015.pdf
Brief Description -- A python library with works on morphemes used for word segmentation.

Title -- A Survey of Recent Keywords and Topic Extraction Systems for Indian Languages
Link -- http://www.ijettjournal.org/volume-6/number-6/IJETT-V6N6P160.pdf
Brief Description -- A survey of how some of the standard keyword extraction techniques work for Indian languages

Title -- Latent Dirichlet allocation
Link -- https://en.wikipedia.org/wiki/Latent_Dirichlet_allocation
Brief Description -- This is the core technique which we used for topic modelling.

Title -- TopicVec
Link -- https://arxiv.org/abs/1606.02979
Brief Description -- An advanced technique for topic modelling, which is supposed to give better results than LDA.

Title -- A Rule-based Part-of-Speech and Morphological Tagging Toolkit
Link -- http://rdrpostagger.sourceforge.net/
Brief Description -- A new technique for extracting part of speech(POS) information.