

INFORMATION RETRIEVAL CS F469- Assignment 2

Topic: Fake news detection (FND)

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Due Date: May 04, 2021

Objective: To make students familiar with current research happening in the IR field especially focus on Fake news detection.

You are provided with one of the latest research papers on “Fake News Detection on Social Media using Geometric Deep Learning” <https://arxiv.org/pdf/1902.06673.pdf>

By reading the research paper, the reader should be able to understand:

- The problem statement with minimal effort.
- The importance of the problem.
- Past research directions.
- Major contribution of the paper.
- Future research directions.
- Model implementation (optional): Students will be rewarded even if they can partially implement the code e.g. basic GNN or any other component of the paper depending on your choice.

Deliverables:

1. Report: A report max 6 pages describing the key components of the proposed method, assumptions made for implementing the algorithms and their limitations etc. It must include all the above mentioned points. In short, the report will be a short review paper, where critical aspects of the paper must be given attention. At the same time, it also includes a bit of past and future research directions.
2. Code (optional): The purpose and intent of each method, class and module should be mentioned appropriately.

Submission format:

The paper must be submitted in the IEEE Conference template available at

<https://www.ieee.org/conferences/publishing/templates.html>

Note: The template is available in Microsoft Word and LaTeX format. You can pick any, based on your familiarity with Word or LaTeX. An Overleaf version is also available if you want to write in a browser. You can include figures or tables in the template if you want to.

The submitted report will go through a plagiarism checking tool, thus avoid copying content directly from the paper.

The page limit is as follows:

- Two and a half pages for the basic.
- Three and a half pages for the total. (In this case, it is up to you how you distribute the content within the three and a half page limit.)

The space taken by references will not be counted while calculating the page limit. Also, a half-page means one column, in a two-column template.

Marks breakup:

Basic: 30% of the marks will be for satisfying the minimum expectations.

Advance: 30% of the marks will be for adding the limitations of the paper along with your view on how those limitations can be addressed or implementation of any component of the proposed model.

Viva: 40% marks will be for Viva and presentation of the paper.

[The dates for Viva and Demo will be announced later.](#)

Assignment submission deadline is **May 04, 2021 5pm.**

This is a hard deadline since Canvas won't accept submissions beyond this date and time. No late submissions will be entertained.

In case of any queries related to the assignment; You can ask on canvas or send me an email. I wish you the best!!