

# CS5344 Course Project

AY2021/2022 Semester 2

## Project Scope

While the COVID-19 pandemic has affected many people worldwide, the problem of people believing more in fake news than true information has emerged as one of the biggest threats to society. This project will explore tools and techniques for scalable detection of fake news on social media as well as their spreaders in social networks. Topics of interest include but are not limited to:

- Credibility assessment of claims
- Identification of super-spreaders of fake news, including bots and fake accounts
- Detection and disruption of echo chambers

Implement and evaluate your proposed approach on real world dataset(s). Case studies demonstrating the effectiveness of your solution to discover some interesting insights should be included.

This is a team-based project. You will be graded on (a) complexity and novelty of problem, (b) tools and algorithms, (c) comprehensiveness of analysis and impact of findings, (d) large and recent datasets used, (e) written report (clarity of problem statement, systematic description of methodology and results), and (f) oral presentation and/or demo.

## Deliverables

- Project proposal (max 1 page) due 18<sup>th</sup> February 2022.
- Project presentation in March 2022.
- Project report (max 6 pages) due 15<sup>th</sup> April 2022. Use ACM template, available at <http://www.acm.org/publications/proceedings-template>

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