

## **Mining human values in software engineering from Reddit**

**Supervisor:** Tahira Iqbal (tahira dot iqbal at ut dot ee)

Human values, or what people hold important in their life, e.g., freedom, privacy, fairness, and social responsibility, mostly remain unnoticed and unattended during software development. However, ignoring values can lead to violations in software and ultimately result in financial losses, reputation damage and widespread social and legal implications. It is challenging to incorporate human values into software development. The thesis topic aims to investigate the presence and the extent to which human values are discussed on Reddit. The following research questions will be addressed:

RQ1: To what extent do users discuss human values in software product forums?

RQ2: What are the most common human values discussed in software related subreddits?

### **References**

[1] T. Iqbal, M. Khan, K. Taveter and N. Seyff, "Mining Reddit as a New Source for Software Requirements," 2021 IEEE 29th International Requirements Engineering Conference (RE), 2021, pp. 128-138, doi: 10.1109/RE51729.2021.00019.

[2] Nurwidyantoro, Arif, Mojtaba Shahin, Michel RV Chaudron, Waqar Hussain, Rifat Shams, Harsha Perera, Gillian Oliver, and Jon Whittle. "Human values in software development artefacts: A case study on issue discussions in three Android applications." *Information and Software Technology* 141 (2022): 106731.

[3] Perera, Harsha, Rashina Hoda, Rifat Ara Shams, Arif Nurwidyantoro, Mojtaba Shahin, Waqar Hussain, and Jon Whittle. "The impact of considering human values during requirements engineering activities." *arXiv preprint arXiv:2111.15293* (2021).