

FakeDetect

Cyber Grooming, risks and prevention



Current situation

- Cyber grooming: building online relationships to exploit and manipulate children.
- Online grooming concerns parents, educators, and policymakers worldwide.
- Impact on victims: psychological trauma, difficulty forming healthy relationships, trust issues, social isolation.



Objectives

- Share knowledge and experience to integrate keystroke dynamics and voice data for detecting fake profiles.
- Develop a framework to determine the age group and gender of online chat users to reduce cyber grooming.
- Use soft biometric voice and keystroke dynamics to identify mismatched identity claims and alert chat partners, preventing potential bonding between predators and victims.

Current Status

- Bilateral project between NTNU & TUKE FBR-PDI-019 Early Fake Profile Detection – FakeDetect (Aug. 2023 – Aug. 2024) financed from EEA & Norway Grants 2014-2021
- Support education programs for children on online safety and digital literacy.
- Raise awareness among parents, educators, and communities about cyber grooming risks.
- Encourage collaboration between schools, law enforcement, and tech firms for safer online spaces for kids.



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