

Description:

With increase in the usage of the Internet, there has been an exponential increase in the use of online social media and networks on the Internet. Websites like Facebook, YouTube, LinkedIn, Twitter, Flickr, Instagram, Google+, FourSquare, Pinterest, Tinder, and the likes have changed the way the Internet is being used. However, widely used, there is a lack of understanding of privacy and security issues on online social media. Privacy and security of online social media need to be investigated, studied and characterized from various perspectives (computational, cultural, psychological, etc.). Student completing the course will be able to appreciate various privacy and security concerns (spam, phishing, fraud nodes, identity theft) on Online Social Media and Student will be able to clearly articulate one or two concerns comprehensively on one Online Social Media, this will be achieved by homework.

Post conditions / Students will be able to do the following after they finish the course:

- List various privacy and security concerns (spam, phishing, fraud nodes, identity theft) on Online Social Media
- Describe different methodologies used for solving security and privacy problems on online social media
- Will be able to collect, analyse, and visualise data from one or 2 social networks
- Design a project idea to attack one problem discussed in the course or any topic they identify in the online social media space

Prerequisites: Good handle on Python will be very useful

Text Book and Recommended Books:

- No prescribed book
- Necessary tools / Papers will be circulated
- All course materials will be shared on a mailing list