

22CS804 Detect Phishing Attempts by Using Machine and Deep Learning Algorithms 1 Cr

The course will run as a series of seminars to be presented by the research scholar. The topics for the seminar will be the following.

1. Literature survey will be performed on email and Web Phishing detection using machine and deep learning algorithms.
2. Recent trend analysis on Phishing attacks and technical tactics used for compromising users.
3. Industry solutions to combating against Phishing attacks and the working principles.
4. Information and Cyber security framework (NIST) and risk management methodology.
5. Implementation of a standard paper for Web Phishing detection.
6. Support Vector Machine (SVM), Logistic Regression, Random Forest and Long Short-Term Memory (LSTM) working principles and limitations for Web phishing.

The performance of the student in the seminar will be evaluated by a panel of examiners to be appointed by the Doctoral committee.