**BDAM 2019-20**

**MSE SYLLABUS**

**4.1** Mining Data Streams: Introduction, The Stream Data Model, Sampling Data in a Stream: Obtaining a Representative Sample, the General Sampling Problem, Filtering Streams: The Bloom Filter, Analysis, Counting Distinct Elements in a Stream, Counting Ones in a Window:

**4.2** Link Analysis: PageRank Definition, Structure of the web, dead ends, Using Page rank in a search engine, efficient computation of Page Rank