SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Re-accredited by NAAC with A+ grade, Accredited by NBA(CSE, IT, ECE, EEE & Mechanical)

Approvedy by AICTE, New Delhi, Recognized by UGC, Affiliated to Anna University, Chennai

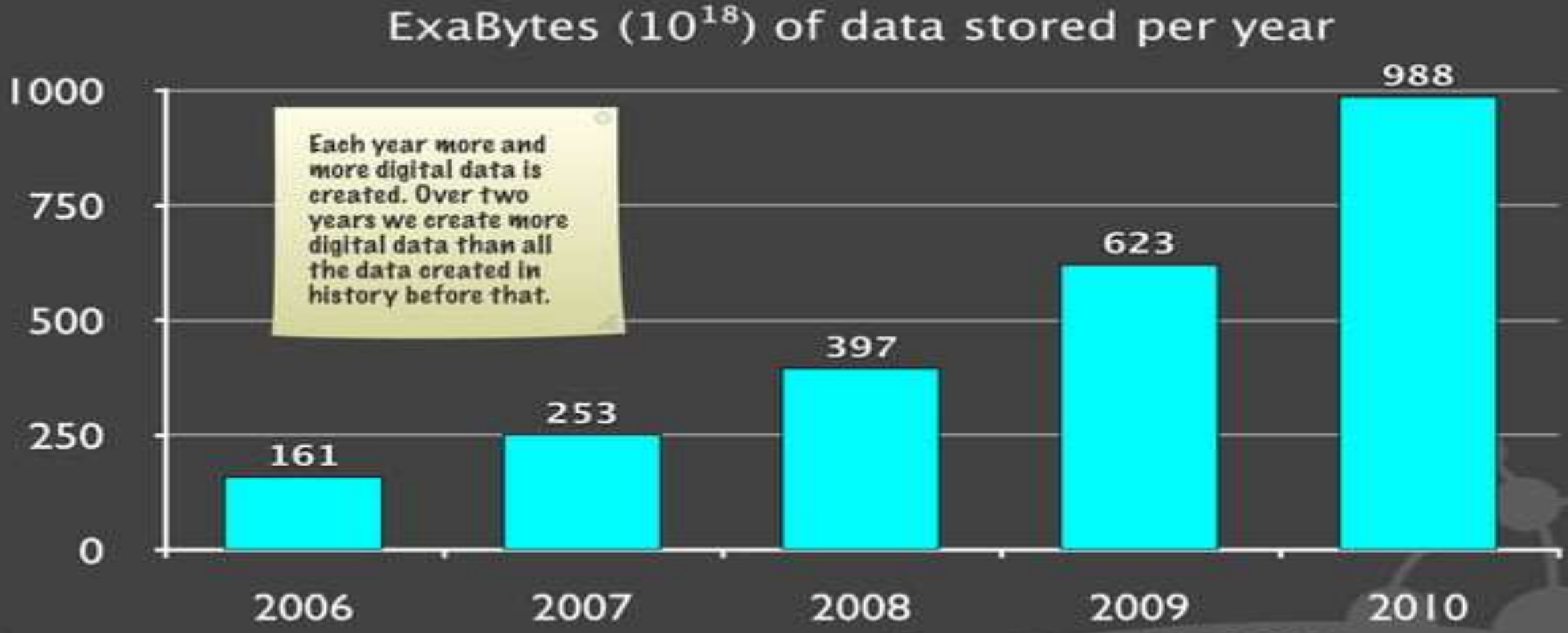
Department of Computer Applications

Graph database and Neo4J

Course: NoSQL Database system

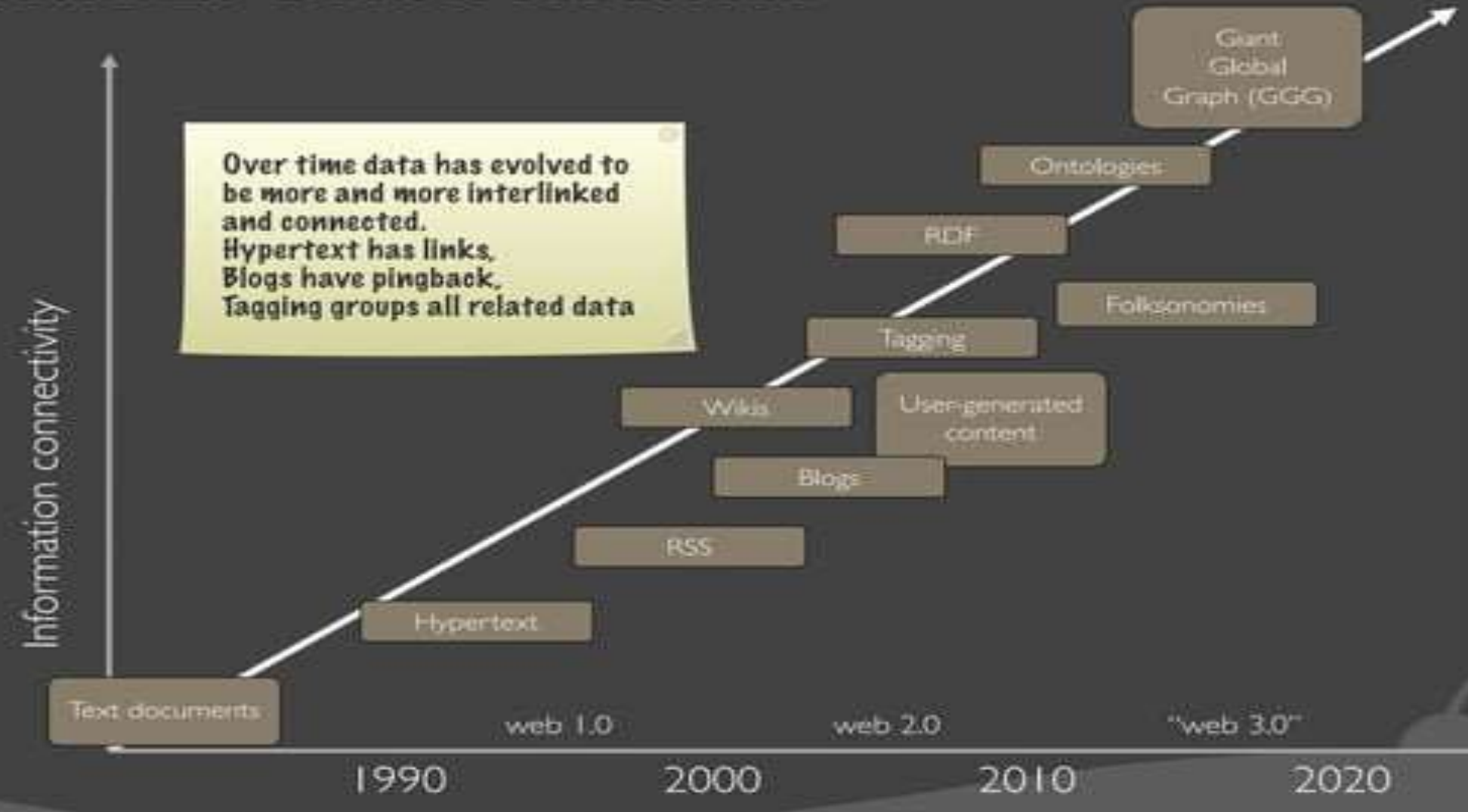
Class / Semester: II MCA / III Semester

Trend 1: Data size



Data source: IDC 2007

Trend 2: Connectedness

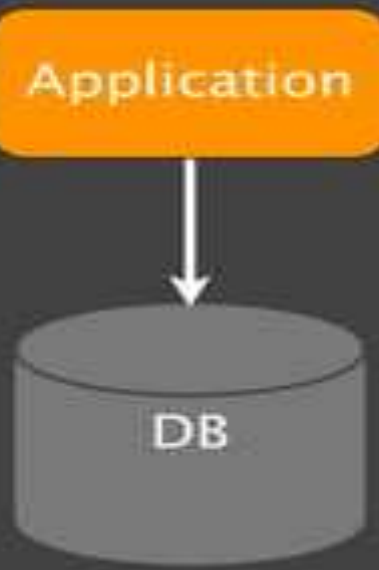


Trend 3: Semi-structure

- Individualization of content
  - In the salary lists of the 1970s, all elements had exactly one job
  - In the salary lists of the 2000s, we need 5 job columns! Or 8? Or 15?
- All encompassing "entire world views"
  - Store more data about each entity
- Trend accelerated by the decentralization of content generation that is the hallmark of the age of participation ("web 2.0")

Trend 4: Architecture

1980s: Mainframe applications



ThankYou