

ALGORITHMIC
TOOLBOX FOR

BIG

DATA

**NOW
OPEN**

OUTLINE

TODAY BIG DATA IS UBIQUITOUS. UNDERSTANDING AND USING THE SCIENCE OF BIG DATA IS THE MOST THRIVING OBJECTIVE FOR BOTH RESEARCHERS AND PRACTITIONERS. IN THIS COURSE, WE WILL LEARN SOME OF THE KEY ALGORITHMIC AND FOUNDATIONAL TOOLS IN BIG DATA.

CONTENT

HIGH DIMENSIONAL SPACES, SINGULAR VALUE DECOMPOSITION (SVD), STREAMING ALGORITHMS, JOHNSON - LINDENSTRAUSS LEMMA, LOCALITY SENSITIVE HASHING, BLOOM FILTER, GRAPH SPARSIFICATION



COORDINATORS

Prof. Palash Dey, IIT Kharagpur
Prof. Sudeshna Sarkar, IIT Kharagpur

IMPORTANT DATES

REGISTRATION CLOSES:
25 NOVEMBER

COURSE DATES: 24-30
DECEMBER 2018