

# CS609 Speech processing

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Credits: 3-0-0-3

Approval: Approved in 2nd Senate

Students intended for: Masters/PhD

Elective or Core: Elective

Prerequisite: Signal Processing

Semester: Odd

## Course Outline:

Fundamental of speech recognition, The speech signal: Production, Perception and acoustic-phonetic characterization, Signal processing methods for speech recognition, Pattern-comparison techniques, Speech recognition system design and implementation issues, Speech recognition using HMM, Large vocabulary continuous speech recognition

## Text & Reference Books:

L. R. Rabiner, B. H. Juang, B. Yegnanarayana, "Fundamental of Speech Recognition", Pearson Education Inc., New Delhi, India, 2009

Other Faculty Members interested in teaching this course: Not known.

Proposed by: Anil Kumar Sao

School: Computing and Electrical Engineering

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