

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

NAME OF DEPARTMENT/CENTRE/SCHOOL: Center for Indian Knowledge System

Subject Code: **Course Title:** Computational Linguistics for Indic Languages

L-T-P: 2-0-0

Credits: 2

Subject Area: SSC

Course Outline: Grammar and Features of Indic Languages; Corpora; Lexical Resources; Low-resource Indic Languages; Benchmark datasets; Performance Measurement; Translation and Transliteration; Automatic Speech Recognition; Optical Character Recognition; iNLTK: Natural Language Toolkit; indicIE: A Multilingual Open Information Extraction; Language Models for Indic Languages, Pre-trained models; LLMs on Indic Languages