



VIT-AP UNIVERSITY

Apply Knowledge. Improve Life!®

Research Oriented Speech Processing Applications using Machine Learning

(A Value Added Course)

offered by

School of Electronics Engineering (SENSE)

The main objective of this course is to present different techniques of speech processing by bringing together the scattered research areas including Automatic Speech Recognition (ASR), Speaker Identification, and Speech Enhancement. A key application of Machine learning (ML) algorithms has been in analyzing and processing speech. Nowadays, speech interfaces have become widely accepted and integrated into various real-life applications and devices. Services like Siri and Google Voice Search have become a part of our daily life and are used by millions of users. Research in speech processing and analysis has always been motivated by a desire to enable machines to participate in verbal human-machine interactions. The research goals of enabling machines to understand human speech, identify speakers, and detect human emotion have attracted researchers' attention for more than six decades. By realizing the significance of research in Speech processing the Value Added Course (VAC) is introduced to train and motivate the aspirants to learn the basics of Speech processing, that to initiate research and developments in applications of Speech Processing.



Course Benefits :-

- * Speaker Identification using Supervised Learning
- * Cocktail Party source Separation
- * Speech Recognition
- * Speech Enhancement
- * Parametric Modelling of Speech Signal

EVERY MONDAY 03.00 PM to 05.00 PM

Commence from 07-03-2022.

Certificate after completion of course