## SPEECH PROCESSING - TOPIC MAP

	THEORY				APPLICATION						
	SPEECH					SPEECH SYNTHESIS		AUTOMATIC SPEECH RECOGNITION			
	SIGNALS	PRODUCTION	PERCEPTION	SIGNAL PROCESSING	PROBABILISTIC MODELLING	FRONT END	WAVEFORM GENERATION	FEATURE ENGINEERING	PATTERN MATCHING	HIDDEN MARKOV MODELS	CONNECTED SPEECH
CONCEPTS	time Domain	SOUND SOURCE	РІТСН	DIGITAL SIGNAL	DESCRIBING DATA	TOKENISATION & NORMALISATION	WAVEFORM CONCATENATION	SERIES EXPANSION	EXEMPLAR	GENERATIVE MODEL OF SEQUENCES	HIERARCHY
	PERIODIC SIGNAL	HARMONICS	COCHLEA	SHORT-TERM ANALYSIS	DISCRETE & CONTINUOUS VARIABLES	PRONUNCIATION		FEATURES	DISTANCE		SUB-WORD UNIT
	FREQUENCY DOMAIN	VOCAL TRACT RESONANCE & FORMANTS	MEL SCALE	SPECTRAL ENVELOPE	JOINT, CONDITIONAL, BAYES' FORMULA	PROSODY		FEATURE ENGINEERING	SEQUENCE	HIDDEN STATE SEQUENCE	N-GRAMS
MODELS & DATA STRUCTURES	FILTER	RESONANT TUBE	FILTERBANK	IMPULSE TRAIN	GAUSSIAN	FINITE STATE TRANSDUCER		FEATURE VECTOR	SEQUENCE OF FEATURE VECTORS	HIDDEN MARKOV MODEL	
	IMPULSE RESPONSE	SOURCE-FILTER MODEL	PHONEME	PITCH PERIOD	GENERATIVE MODEL	DECISION TREE	DIPHONE		GRID	LATTICE	GRAPH
ALGORITHMS & ANALYSIS	CONVOLUTION			FOURIER ANALYSIS	FITTING A GAUSSIAN TO DATA	HANDWRITTEN RULES	OVERLAP-ADD	MFCCS	DYNAMIC PROGRAMMING (DTW)	DYNAMIC PROGRAMMING (VITERBI)	COMPOSITION ("COMPILING")
				CEPSTRAL ANALYSIS	CLASSIFICATION	LEARNING DECISION TREES	TD-PSOLA			BAUM WELCH	APPROXIMATION (PRUNING)

THEMES	PERIODIC SIGNALS IN THE TIME DOMAIN	THE VOCAL TRACT IS A FILTER	FREQUENCY Domain and Beyond	SOUND CATEGORIES	PROBABILITY	MISCELLANEOUS	INTERPRETABLE METHODS	SEQUENCES OF VARIABLE LENGTH	GENE MC
--------	---	-----------------------------------	-----------------------------------	---------------------	-------------	---------------	--------------------------	------------------------------------	------------

ERATIVE DELS FINITE STATE NETWORKS