National Institute of Technology, Tiruchirappalli

Seminar Topics

Programme	:	B.TECH.	Batch	:	2019-2023
Session	:	JAN/2023	Subject Name	:	CSPE81-DATA SCIENCE

Sl.No.	Roll No	Name	Topic
1	106119005	ADABALA VENKATA SAI SANTHOSH	Data Visualization-Univariate, Multivariate, High Dimensional
2	106119015	ARAKAN CH SANGMA	Text Preprocessing Techniques- Tokenization • Tagging • Chunking • Stemming • Lemmatization
3	106119020	ASIF MOHAIDEEN N	Parts of speech speech (POS) tagging, Shallow parsing
4	106119021	BENAIAH C DKHAR	Dependency -based parsing, Constituency based parsing
5	106119023	BOGGARAPU PAVANA KUMAR	Feature -extraction techniques : BagBag of Words model, TF -IDF model
6	106119035	EVIN JOJU XAVIER	Feature -extraction techniques: Advanced vectorization models- Averaged word vectors •TF-IDF weighted word vectors
7	106119036	GADESULA KRUPA SAMSON	Text Classification: Multinomial Naïve Bayes, Logistic regression
8	106119053	ISHAAN KAUSHIK	Text Classification: Support Vector Machines, Random Forest
9	106119068	MADHAVAN B	Gradient Boosting Machines for Text Classification, Evaluation of Text Classification models
10	106119071	MANAV MOHATA	Analyzing Text Similarity- Hamming distance, Manhattan distance, Euclidean distance
11	106119081	MUDAVATH RAKESH CHAUHAN	Analyzing Text Similarity- Levenshtein edit distance, Cosine distance and similarity
12	106119083	NANDHAKISHORE C S	Analyzing Document Similarity- Cosine similarity, Hellinger-Bhattacharya distance
13	106119091	PARVATHI PRABHAKARAN	Analyzing Document Similarity- Okapi BM25 ranking, Document Clustering- Ward's Agglomerative Hierarchical Clustering
14	106119100	Rajneesh Pandey	Document Clustering- K-Means Clustering, Affinity Propagation
15	106119104	RISHI SATISH	Exploring WordNet- Understanding Synsets, Analyzing Lexical Semantic Relations
16	106119107	ROHAN KUMAR	Exploring WordNet- Word Sense Disambiguation, Named Entity Recognition, Analyzing Semantic Representations
17	106119108	SAKTHI PRASATH S	Sentiment Analysis of IMDb Movie Reviews- Supervised machine learning
18	106119112	SATYARTH PANDEY	Sentiment Analysis of IMDb Movie Reviews- Unsupervised lexicon-based- AFINN lexicon, Bing Liu's lexicon, MPQA subjectivity lexicon
19	106119115	SHIVAM PRADHAN	Sentiment Analysis of IMDb Movie Reviews- Unsupervised lexicon-based-SentiWordNet, VADER lexicon, Pattern lexicon, TextBlob Lexicon
20	106119119	SRIYA NELLURI	Time series decomposition-Classical Decomposition, Smoothing based methods
21	106119131	TATHIREDDY NARASIMHA REDDY	Time series decomposition- Regression based methods-ARIMA, Seasonal ARIMA
22	106119134	THARUN A	Time series decomposition-Machine Learning methods-Windowing, Neural Network Autoregressive
23	106119136	THOTA PAVAN KUMAR	Anomaly Detection-Distance based outlier detection, Density based outlier detection, local outlier factor
24	106119144	VISHAL JAISWAL	Feature selection-Principal Component analysis, Information Theory-based Filtering
25	106119149	YASH	Feature selection- Chi-square-based Filtering, Wrapper-type Feature Selection-Backward Elimination