VNIT Final Year Project Tracking

Last Updated: 13th March, 2020

Time Period	Task	Status	Remarks
	PROJECT PHASE 1		
VII Semester - Sessional 1	1. Getting started		
	2. Performing Named Entity Recognition (NER) using spaCy and semi-structured statement extaction using textacy on wikipedia text	*All completed*	
VII Semester Sessional 2	1. Using financial reports		
	2. Training NER model on custom data		
	3. Comapring Stanford NLP library with spaCy for our task		
	4. Applying Coreference Resolution and demonstrating the spaCy pipeline and textacy output	*All completed*	
VII Semester End Sem	1. Using dependency parse tree to extract semi-structured statements due to issues faced by available methods		
	2. Demonstrate the work done through a web application with interface (where user can upload a document and write the subject) to end project phase 1	*All completed*	
	PROJECT PHASE 2		
VIII Semester Sessional 1	1. Using Stanford openIE to extract factual information (semi-structured information)		
	2. Using verbs only, determining sentences that indicate positive growth or negative growth through various approaches and comparing them	*All completed*	
VIII Semester Sessional 2	1. Using verbs and phrases, determining sentences that indicate positive growth or negative growth using list/dictionary based aprroach		
	2. Predicting whether a sentence shows +ve trend/-ve trend using Machine Learning based approcahes		
	3. Extracting timestamp of the documents (date on which the document was published)	*All completed*	

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VIII Semester End Sem (Final Evaluation)	1. Improve the algorithm for predicting if the sentence shows +ve trend or -ve trend **for brokerage report data**		
	2.Combining trends (sentences that indicate +ve growth/-ve growth) with timestamp to get overall trends.		
	3. For demonstating, develop an application/portal that allows the user to upload a set of documents (in pdf format) and a list of subjects that he/she wants to analyse. The system should return the trends related to the subjects mentioned in ordered fashion and help the user make a decision.		
	4. Write a thesis describing the complete project.	*To be done*	This will be the end of the final year project.