



## Chatbot for FSM

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# Objectives

- **Learning NLP** -70% (completed) 30 % if some topic left  
Learnt basic NLP and some introduction to advanced topic.
- **Learning Web Scrapping** – (Beautiful Soup-70%)learnt Beautiful Soup to some good level (actually I parsed FSM Skills website which uses login token, username, password and one other field along with IAFSM Website)
- **Implement web scrapping (95%)**- (yes, scrapped the IAFSM website almost completely by scrapping out links from website)
- **Generating json (dataset)(95%)**- (done, with generation of dataset in the form of json)
- **Learning Transformer**- Learning the transformer , done with architecture of it.
- **Applying model for Training(0% )**- After learning Transformer and models I will start with this part of applying model to our dataset



# Objectives

**Implement chat** – Transformer is capable of Text summarization, sentiment analysis, Text Generation, but not for chatting properly so need to look for that.

**Checking for accuracy(testing)** – After applying chat model and Training data we will test for question answers, and do the needful.

**Documentation** – Develop Report and documentation to submit as a final Submission to FSM and Research paper



# Timeline - Gantt chart

S.No	NAME	START DATE	End Date	DURATION (in days)	Completed (Y/N)
1	Learning NLP	7-Jun	18-Jun	1	Y
2	Learning Scipy,RASA	8-Jun	10-Jun	1	Y
3	Learning RASA	9-Jun	9-Jun	1	Y
4	Learning Tenserflow	10-Jun	10-Jun	1	Y
5	Learning Rule-based approach	11-Jun	11-Jun	1	Y
6	Learning Web-scraping	12-Jun	15-Jun	1	Y
7	Data Collection(web-scraping)	13-Jun	15-Jun	3	N
8	Data-Preprocessing	16-Jun	18-Jun	3	N
9	Implementing NLP(tokensization and Stemming	19-Jun	21-Jun	3	N
10	Create Training data	22-Jun	26-Jun	5	N
11	Model/Framework implementaion and Training	27-Jun	30-Jun	4	N
12	Load the model and implement chat	1-Jul	8-Jul	8	N
13	Test And Debug	9-Jul	12-Jul	4	N
14	Testing and Training in order to increase accuracy	13-Jul	23-Jul	10	N
15	Presentaion and Documentation	24-Jul	28-Jul	4	N
	<b>Total Duration</b>			<b><u>50</u></b>	



# Screenshots of development

www.iaism.in



# Thank You

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