

Invitation to M.Tech. Thesis Defense of Neha Jha: July 17, 2020 (Friday): 11.30-12.15 IST

In Partial Fulfillment of the Requirements for the Degree of

M.Tech. CB

Neha Jha (MT18238)

Will defend her thesis

Title: **“Disease semantics”**

IIIT-D Faculty and Students are invited

Date: July 17, 2020 (Friday)

Time: 11.30-12.15 IST

Place: Online (Google Meet)

Examiner:	Internal:	Gaurav Ahuja
	External/Internal:	GPS Raghava
	Advisor:	Debarka Sengupta

Abstract

Text mining has become an essential tool for biomedical research. A wealth of knowledge concerning gene-diseases relationship is present in biomedical literature. Mining these biological associations from the literature supports research ranging from gene-diseases relations and functions to Drug repurposing and repositioning. In this project, we aim to identify the gene-disease relationship using natural language processing techniques and word embeddings. To discover molecular biology knowledge from this vast amount of literature, we propose a generic model based on statistical word embeddings that extract gene-disease information from it and gives some useful and novel gene-disease association using word analogies.

