






Suman Adhya

Ph.D. in NLP, Indian Association for the Cultivation of Science

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Education

Starting Oct 2020	Indian Association for the Cultivation of Science Ph.D. from the School of Mathematical & Computational Sciences (SMCS)	Kolkata, INDIA
Aug 2018 Jul 2020	Indian Association for the Cultivation of Science M.Sc. in Mathematics & Computing from SMCS	Kolkata, INDIA
2015 2018	University of Calcutta B.Sc.(Hons.) in Mathematics from Serampore College	Kolkata, INDIA

Publications

C=Conference, W=Workshop

- [C] **Do Neural Topic Models Really Need Dropout? Analysis of the Effect of Dropout in Topic Modeling**
Suman Adhya, Avishek Lahiri, and Debarshi Kumar Sanyal
17th European Chapter of the Association for Computational Linguistics [EACL'23]
- [C] **Improving Neural Topic Models with Wasserstein Knowledge Distillation** 
Suman Adhya and Debarshi Kumar Sanyal
45th European Conference on Information Retrieval, Dublin, Ireland [ECIR'23]
- [C] **Improving Contextualized Topic Models with Negative Sampling** 
Suman Adhya, Avishek Lahiri, Debarshi Kumar Sanyal, and Partha Pratim Das
19th International Conference on Natural Language Processing, New Delhi, India [ICON'22]
- [W] **What Does the Indian Parliament Discuss? An Exploratory Analysis of the Question Hour in the Lok Sabha** 
Suman Adhya and Debarshi Kumar Sanyal
1st Workshop on Natural Language Processing for Political Sciences, LREC, Marseille, France [PoliticalNLP @ LREC'22]

Talks

- > ECIR 2023, Short Paper Presentation  March 2023 (Virtual)
- > ICON 2022, Full Paper Presentation  December 2022 (IIIT-Delhi, New Delhi, INDIA)
- > PoliticalNLP @ LREC 2022, Poster Presentation  June 2022 (Virtual)




Honours and Awards

Innovation in Science Pursuit for Inspired Research (INSPIRE), DST, 2015  : Awarded for pursuing higher education in science.

Teaching Assistant

Laboratory - Numerical methods (PHS4211), IACS Kolkata *Teaching Assistant* January - June, 2021
> Responsibilities included setting and evaluating lab assignments.



Open Source Contributions

- > **Do Neural Topic Models Really Need Dropout? Analysis of the Effect of Dropout in Topic Modeling:** 
- > **Improving Neural Topic Models with Wasserstein Knowledge Distillation:** 
- > **Improving Contextualized Topic Models with Negative Sampling:** 

Academic Service

Reviewer ACL'23, EMNLP'22
PC member PoliticalNLP'22 

References

- > Dr. Debarshi Kumar Sanyal Assistant Professor, IACS, INDIA 
- > Dr. Partha Basuchowdhuri Assistant Professor, IACS, INDIA 
- > Dr. Rajarshi Ray Assistant Professor, IACS, INDIA 