

# Abhirup Nandy

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## Introduction

My research interests lie in Institutional Recommender Systems, Expertise Indices, Text Analytics and NLP. I have primarily worked in bibliometric based expertise determination system, institution collaboration recommendation systems, and institutional research performance assessment.

## Skills and Abilities

### TECHNICAL SKILLS

- Python, MS Office, Web Programming.
- Experienced in working with libraries like spacy, nltk, genism, networkx.
- Managing the Indian Science Reports portal ([www.indianscience.net](http://www.indianscience.net)).

### OTHER SKILLS

- Key role in the organization and management of a university level 6-month training course on Artificial Intelligence ([www.textanalytics.in/ai](http://www.textanalytics.in/ai)).

## Experience

JUNIOR RESEARCH FELLOW | BANARAS HINDU UNIVERSITY | APRIL 2022 – NOVEMBER 2023

- Worked as a Junior Research Fellow in the DST sponsored project “Pattern Analysis and Impact Assessment of NCSTC projects”.
- The work involved a comprehensive analysis of projects undertaken by DST-NCSTC division over the last 20 years.

JUNIOR RESEARCH FELLOW | BANARAS HINDU UNIVERSITY | MARCH 2020 – MARCH 2022

- Worked as a Junior Research Fellow in the DST sponsored project “Design of a Computational Framework for Discipline-wise and Thematic Mapping of Research Performance of Indian Higher Education Institutions (HEIs)”.
- The work involved designing an expertise determination framework for Indian institutions based on bibliographic data.

## Education

PHD IN COMPUTER SCIENCE | 2020 - ONGOING | BANARAS HINDU UNIVERSITY

- Research Interests: Expertise indices, Institution Recommender systems, Text analysis.
- PhD Guide: Prof. Vivek Kumar Singh (<http://www.viveksingh.in/>)

MASTERS IN COMPUTER SCIENCE | 2017 - 2019 | BANARAS HINDU UNIVERSITY

- Marks obtained: 8.3 CGPA.

BACHELORS IN COMPUTER SCIENCE | 2014 - 2017 | RAMAKRISHNA MISSION VIDYAMANDIRA

- Marks obtained: 7.27 CGPA.

### ADDITIONAL QUALIFICATIONS

- GATE 2019: Score - 444/1000, Rank – 7244, Percentile – 92.75
- UGC-NET 2019: Qualified for LS, Percentile – 98.42

## Publications

1. **Nandy, A.**, Lathabai, H. H., & Singh, V. K. (2023). An Expertise-based Framework for Research Portfolio Management of Institutions at coarse- and fine-grained levels. *27th International Conference on Science, Technology and Innovation Indicators (STI 2023)*, Leiden, Netherlands, September 2023.
2. **Nandy, A.**, Lathabai, H. H., & Singh, V. K. (2023). *xd-index*: An overall scholarly expertise index for the research portfolio management of institutions. *International Scientometrics and Informetrics (ISSI) Conference, Bloomington, Indiana, July 2023*.
3. Singh, A., Sharma, D., **Nandy, A.**, & Singh, V. K. (2023). Towards a large sized curated and annotated corpus for discriminating between human written and AI generated texts: A case study of text sourced from Wikipedia and ChatGPT. *Natural Language Processing Journal*, 100050.
4. Lathabai, H. H., **Nandy, A.**, & Singh, V. K. (2021, April). Expertise-based institutional collaboration recommendation in different thematic areas. *In proceedings of the 11th International Workshop on Bibliometric-enhanced Information Retrieval co-located with 43rd European Conference on Information Retrieval (ECIR 2021)*, Lucca, Italy (online only).
5. Lathabai, H. H., **Nandy, A.**, & Singh, V. K. (2021). *x-index*: Identifying core competency and thematic research strengths of institutions using an NLP and network based ranking framework. *Scientometrics*, 126, 9557-9583.
6. Lathabai, H. H., **Nandy, A.**, & Singh, V. K. (2022). Institutional collaboration recommendation: An expertise based framework using NLP and network analysis. *Expert Systems with Applications*, 209, 118317.
7. Singh, V. K., **Nandy, A.**, Singh, P., Karmakar, M., Singh, A., Lathabai, H. H., ... & Kanaujia, A. (2022). Indian Science Reports: a web-based scientometric portal for mapping Indian research competencies at overall and institutional levels. *Scientometrics*, 127(7), 4227-4236.
8. Kanaujia, A., Singh, P., **Nandy, A.**, & Singh, V. K. (2022). Research contribution of major centrally funded institution systems of India. *CURRENT SCIENCE*, 123(9), 1082.
9. Singh, P., **Nandy, A.**, Singh, V. K., (2022). A Bibliometric Analysis of Research Output from Indian Institutes of Management. *DESIDOC Journal of Library & Information Technology*, 42, 6.
10. Kanaujia, A., **Nandy, A.**, Singh, P., & Singh, V. K. (2023). Mapping the research output from Indian states. *CURRENT SCIENCE*, 124(11), 1082.
11. Singh, V. K., Kanaujia, A., Singh, P., and **Nandy, A.**, "Indian Science Reports: A Portal for Comprehensive Mapping of S&T Data and Analytics for India at an Overall and Institutional Level", *Journal of Scientometric Research*, Vol. 12, No. 02, pp. 501-504.

## Other Details

Languages: English, Bengali (native), Hindi.

Date of Birth: 14th June 1996.

Google scholar ID: <https://scholar.google.com/citations?user=ZhEuoj4AAAAJ&hl=en>

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