

Abhirup Nandy

Varanasi, India | +91-8910941558 | abhirupnandy.online@gmail.com | <https://www.abhirupnandy.click>

Introduction

- My research interests lie in Institutional Recommender Systems, Expertise Index, 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).

OTHER SKILLS

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

Experience

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

- Working 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

- **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. *To appear in 27th International Conference on Science, Technology and Innovation Indicators (STI 2023)*, Leiden, Netherlands, September 2023.
- **Nandy, A.**, Lathabai, H. H., & Singh, V. K. (2023). x_d -index: An overall scholarly expertise index for the research portfolio management of institutions. *International Scientometrics and Informetrics (ISSI) Conference*, Bloomington, Indiana, July 2023.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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.
- Kanaujia, A., **Nandy, A.**, Singh, P., & Singh, V. K. (2023). Mapping the research output from Indian states. *CURRENT SCIENCE*, 124(11), 1082.
- 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.
- Father's Name: Somesh Kumar Nandy.
- Address of Residence: 32, Ramanath Bhattacharya Street, Belurmath, Howrah – 711202.
- Google scholar ID: <https://scholar.google.com/citations?user=ZhEuoj4AAAAJ&hl=en>
- ORCID: [0000-0001-8618-0847](https://orcid.org/0000-0001-8618-0847)