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.

Experience

SENIOR PROJECT RESEARCH FELLOW (A) | UNIVERSITY OF DELHI | OCTOBER 2024 – ONGOING

- Currently working as a Senior Project Research Fellow at CPS Lab, IIC, University of Delhi, India.

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 bibliometric data.

Education

PHD IN COMPUTER SCIENCE | 2020 - 2024 | BANARAS HINDU UNIVERSITY

- Research topic: "An Algorithmic Model and Framework for Identifying Research Expertise of Institutions and their Applications"
- 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

Skills and Abilities

- Experienced in working with libraries like spacy, nltk, genism, networkx.
- Managing the Indian Science Reports portal (www.indianscience.net).
- Key role in the organization and management of a university level 6-month training course on Artificial Intelligence (www.textanalytics.in/ai).

Publications

1. **Nandy, A.**, Singh, A., Gupta, V., & Singh, V. K. (2024). Bibliographic Coupling and Conceptual Similarity: Are the Bibliographically Coupled Papers also Conceptually Similar? *Journal of Scientometric Research*, 13(3), 706–714.
2. Gupta, S., **Nandy, A.**, Lathabai, H. H., Das, N. R., & Singh, V. K. (2024). Altmetrics indicators for institutional performance assessment: Does a relationship with traditional indicators exist? *5th International Conference on Science & Technology Metrics (STMet 2024)*.
3. **Nandy, A.**, Lathabai, H. H., & Singh, V. K. (2024). xd-index and its variants: A set of overall scholarly expertise diversity indices for the research portfolio management of institutions. *Scientometrics*.
4. **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*.
5. **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*.
6. 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.
7. Lathabai, H. H., **Nandy, A.**, & Singh, V. K. (2021, April). Expertise-based institutional collaboration recommendation in different thematic areas. *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)*.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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).
13. Kanaujia, A., **Nandy, A.**, Singh, P., & Singh, V. K. (2023). Mapping the research output from Indian states. *Current Science*, 124(11), 1082.
14. Singh, V. K., Kanaujia, A., Singh, P., & **Nandy, A.** (2022). 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*, 12(2), 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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