Dinesh Kr. Prabhakar

Education

2013–2021 **PhD**, *Indian Institute of Technology (ISM)*, Dhanbad, India
(awarded in 2022)

2010–2012 **M. Tech (CSE)**, *National Institute of Technology*, Rourkela, India
(with 1st Division)

2004–2008 **B. Tech (CSE)**, *B. P. U. T.*, Rourkela, India
(with 1st Division)

Dissertations

PhD Informal Information Processing: Techniques and Evaluation.

M. Tech Scenario Based Software Architecture Evaluation Using Use Case Point.

Achievements

○ Qualified **GATE 2009 & 2010**.
○ Cleared **UGC NET**, December 2015.

Awards and Fellowship

○ MHRD fellowship during M. Tech. as teaching assistance at NIT Rourkela, 2010-2012.
○ MHRD institute fellowship during full-time PhD as teaching assistance at Indian Institute of Technology (ISM) Dhanbad, 2013-18.

Experience

Teaching

Jan 2018 – **Assistant Professor**, *Dept. of Information Technology*, BIT Sindri, Dhanbad,
Feb 2024 Jharkhand

Sept 2012 – **Adhoc Faculty**, *Dept. of Computer Science and Engineering*, National Institute of
Feb 2013 Technology, Warangal, Telangana

Research

2013 – 2018 **Research Scholar**, *Dept. of Computer Science and Engineering*, Indian Institute of Technology (ISM), Dhanbad

Research Project

- An AICTE Sponsored Collaborative Research Project on "Epileptic Seizure Detection in EEG using Machine Learning Techniques" of sanctioned worth Rs. 2,46,000.00 completed as PI.

Subjects Taught

- **Problem solving with C++ programming** 1st Semester, Section D, NIT Warangal in the session 2012-13.
- **Data Structures** for 4th Semester Electronics and Communication, Section A and B at NIT Warangal in the session 2012-13.
- **Values and Ethics in Profession** for 6th semester B. Tech IT course at B.I.T. Sindri in session 2017-18.
- **Programming in C basics and labs** for 1st semester B. Tech (section A and E) at B.I.T. Sindri in session 2018-19.
- **Programming for Problem Solving in C** for 1st semester B. Tech (section A) at B.I.T. Sindri in session 2018-19.
- **Values and Ethics in Profession** for 8th semester B. Tech CSE course at B.I.T. Sindri in session 2018-19.
- **Data structures** for 3rd semester B. Tech CSE & course at B.I.T. Sindri in session 2019-20.
- **Programming for Problem Solving in C** for 1st semester B. Tech CSE course at B.I.T. Sindri in session 2019-20.
- **Information Retrieval Techniques** for 6th semester B. Tech CSE & course at B.I.T. Sindri in session 2019-20.
- **Design and Analysis of Algorithms** for 4th semester B. Tech CSE and IT & course at B.I.T. Sindri in session 2019-20.
- **Programming for Problem Solving in C** for 1st semester B. Tech CSE & course at B.I.T. Sindri in session 2020-21.
- **Software Engineering** for 7th semester B. Tech CSE & course at B.I.T. Sindri in session 2020-21.
- **Natural Language Processing** for 6th semester B. Tech CSE & course at B.I.T. Sindri in session 2020-21.
- **Software Engineering** for 7th semester B. Tech CSE & IT course at B.I.T. Sindri in session 2021-22.
- **Programming for Problem Solving (PPS)** for 2nd semester B. Tech Electrical Engineering & IT course at B.I.T. Sindri in session 2021-22.
- **Natural Language Processing** for 6th semester B. Tech CSE & course at B.I.T. Sindri in session 2022-23.
- **Programming for Problem Solving (PPS)** for 2nd semester B. Tech Electronic and Communication Engineering & Electrical Engineering course at B.I.T. Sindri in session 2022-23.

Publication

Journals

1. Dinesh Kumar Prabhakar, Sukomal Pal and Chiranjeev Kumar, "Query Expansion for Tansliterated Text Retrieval". *ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP). Vol-20 (4) (2021): 64.* [Indexed-SCIE].
2. Dinesh Kumar Prabhakar and Sukomal Pal, "Machine Transliteration and Transliterated Search: A survey." *Sadhana. 43.6 (2018): 93.* [Indexed-SCIE].
3. Jitendra Kumar, Sudha Shanker Prasad, Dinesh Kumar Prabhakar and Richa Gupta, "Hindi Language based Cross Lingual Information Retrieval", *International Journal of Computer Science and Information Security. Vol- 14.10*, 2016. [Indexed-Google Scholar]

Conferences

1. Sudha Shanker Prasad, Jitendra Kumar, Dinesh Kumar Prabhakar and Sachin Tripathi. "Sentiment Mining: An approach for Bengali and Tamil Tweets". In *Proceedings of Eighth International Conference on Contemporary Computing (IC3), Noida, India, August 11-13, 2016.* IEEE international conference proceedings. [Indexed- Scopus].
2. Dinesh Kumar Prabhakar, and Sukomal Pal, "ISM@FIRE-2015 Mixed Script Information Retrieval", In *Proceedings of 7th International workshop Forum for Information Retrieval Evaluation (FIRE-2015), Gandhinagar, India, December 4-6, 2015.* Published in CEUR workshop proceedings. [Indexed- Scopus].
3. Sudha Shanker Prasad, Jitendra Kumar, Dinesh Kumar Prabhakar and Sukomal Pal, "Sentiment Classification: An Approach for Indian Language Tweets using Decision Tree", In *Proceedings of Mining Intelligence and Knowledge Exploration - Third International Conference, MIKE 2015, Hyderabad, India, December 9-11, 2015.* Published in LNAI Springer series. [Indexed-Scopus]
4. Dinesh Kumar Prabhakar and Sukomal Pal, "ISM@FIRE-2014 Shared Task on Transliterated Search", In *Proceedings of 6th International workshop Forum for Information Retrieval Evaluation (FIRE-2014), Bangalore, India, December 5-7, 2014.* ACM international conference proceedings. [Indexed-Scopus]
5. Dinesh Kumar Prabhakar, Shantanu Dubey, Bharti Goel and Sukomal Pal, "ISM@FIRE-2014 Named Entity Recognition for Indian Language", In *Proceedings of 6th International workshop Forum for Information Retrieval Evaluation (FIRE-2014), Bangalore, India, December 5-7, 2014.* ACM international conference proceedings. [Indexed-Scopus].
6. Dinesh Kumar Prabhakar and Sukomal Pal, "ISM@FIRE-2013 Shared Task on Transliterated Search", In *Proceedings of 5th International workshop Forum for Information Retrieval Evaluation (FIRE-2013), New Delhi, India, December 4-6, 2013.* ACM international conference proceedings. [Indexed-Scopus]

Conferences/seminars/FDP attended

1. One week FDP of **Excellence in Communication** at IIM Bodhgaya from 25 February to 4 March, 2021.
2. ATAL Academy online FDP on **Cyber Security** at IIIT Pune from 22-26 February, 2021.
3. ATAL Academy online FDP on **Internet of Things (IoT)** at University of Hyderabad from 8-12 February, 2021.
4. ATAL Academy online FDP on **Data Science** at NIT Mizoram from 15-19 December, 2020.
5. ATAL Academy online FDP on **System Engineering (ML in IR)** at NIT Kurukshetra from 4-8 November, 2020.
6. FDP on **Python 3.4.3** at BIT Sindri with IIT Bombay from 5-16 October, 2020.
7. One week FDP on **Deep Learning and Applications** at BIT Sindri from 9-13 December, 2019.
8. A five days' workshop on **Internet of Things (IoT)** at BIT Sindri, from 14-18 October, 2019.
9. FDP on **The Era of Digital Transformation**, BIT Sindri from 8-12 July, 2019.
10. One week FDP on **Robotics and AI**, at NIT Patna from 24-28 June, 2019.
11. FDP on **Advance Pedagogy & Digital Tools for TEQIP faculty members**, at IIT Kharagpur from 10-14 June, 2019.
12. FDP on **AI and Machine Learning** organised by Electronics & ICT Academy, IIT Roorkee from 17-21 December, 2018 at BIT remote centre.
13. FDP on **DSP & Sensors** organised by Electronics & ICT Academy, NIT Warangal from 10-14 December, 2018 at BIT remote centre.
14. FDP on **AI and Machine Learning**, Jointly organized by NIT Patna and BIT Sindri, June 04-08, 2018.
15. TEQIP-III sponsored Workshop on **Outcome Based Education (OBE) and Accreditation**, BIT Sindri, Dhanbad, India, March 16-17, 2018.
16. One week FDP on **NPIU Faculty Induction Program**, IIT Kharagpur, India, February 19-23, 2018.
17. 3rd International Conference on **Recent Advances In Information Technology (RAIT)**, IIT(ISM) Dhanbad, India, March 03-05, 2016.
18. 7th International workshop **Forum for Information Retrieval Evaluation (FIRE-2015)**, DAIICT Gandhinagar, India, December 04-06, 2015.
19. Third International Conference on **Mining Intelligence and Knowledge Exploration (MIKE)-2015**, IIIT Hyderabad, India, December 09-11, 2015.
20. 6th International workshop **Forum for Information Retrieval Evaluation (FIRE-2014)**, ISI Bangalore, India, December 05-07, 2014.
21. 2nd International Conference on **Recent Advances in Information Technology (RAIT)**, ISM Dhanbad, India, March 13-14, 2014.
22. Workshop on **Text Mining Workshop**, ISI Kolkata, India, January 06-08, 2014.
23. 5th International workshop of **Forum for Information Retrieval Evaluation (FIRE-2013)**, IIC New Delhi, India, December 04-06, 2013.
24. One week Professional Skills Development Programme on **Skill Development Linux Environment**, ISM Dhanbad, India, March 18-25, 2013.
25. Workshop on Recent Trend on **Object Oriented Software Testing (RTOOST)**, NIT Rourkela, India, May 23-25, 2011.

Administrative responsibilities

- **Professor In-charge**, Hackathon and Coding Club (formerly Coding Club), BIT Sindri from September, 2018 – February, 2024.

- **Assistant Superintendent**, Hostel 13, BIT Sindri from August 2018 – February, 2024.
- **Mentor**, CodeChef and GeeksforGeeks BIT Sindri Chapter
- **Coach**, The International Collegiate Programming Contest (ICPC), Coach, BIT Sindri

Event organized

- **Hackatron**, A 24Hrs national level hackathon organized at BIT Sindri from 16th–17th November, 2019.
- Organized FDP on **Python Programming with Industry perspective** under FDP-NKN sponsored by TEQIP-III from 2-6 December, 2019.
- **Internal Hackathon**, A 12Hrs hackathon organized at BIT Sindri on 19th January, 2020.
- **Hack-O-Verse**, A 36Hrs national level hackathon organized at BIT Sindri during 26th–27th February, 2023.

Address

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Date: February 15, 2024