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[1] Project grant of INR 41.1 Lakhs from MeitY, Government of India for a project titled "**Development of Algorithms for Speech based Bilingual Keyword Search to Detect Fraud/Spam Calls**" for the duration Jan 2017 to Jan 2020 with (Dr. Gayadhar Pradhan as PI).

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[3] Dayasagar Gupta, Nabajyoti Majumdar, Amitava Nag, and **Jyoti Prakash Singh**, Secure Data Authentication and Access Control Protocol for IoMT environment, *Ambient and Humanized Computing*, **Accepted**

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[3] Sunil Saumya, Jyoti Prakash Singh and Amitava Nag, BiLSTM siamese network for detecting duplicate questions on CQA platform. *Neural Processing Letters (NEPL)*, **Submitted**

[4] Sahil Verma, Prabhat Kumar and **Jyoti Prakash Singh**, A Unified Lightweight CNN based Model for Disease Identification in Corn, Rice and Wheat, *IETE journal of Research*, **Submitted**

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Applications of Information Technology (EAIT), 2012 Third International Conference on (pp. 287-290). IEEE.

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PhD Supervision

[1] **Pradeep Kumar Roy,** Roll No. 155CS05, Department of Computer Science and Engineering, Supervisor: Dr. Jyoti Prakash Singh, Title: "**Content Quality Improvement of Community Question Answering sites**", Nov 2018.

[2] **Anand Shanker Tewari**, Roll No. 125IT03, Department of Computer Science and Engineering, Supervisor: Dr. Jyoti Prakash Singh and Asim Gopal Barman, Title: "**High Precision Recommendation System for E-commerce Websites**", Dec 2018.

[3] **Sunil Saumya,** Roll No. 155CS10, Department of Computer Science and Engineering, Supervisor: Dr. J. P. Singh, Title: "**Improving the Utility of Online Consumer Reviews using Deep Learning**", Jan 2020.

[4] **Kirti Kumari,** Roll No. 155CS07, Department of Computer Science and Engineering, Supervisor: Dr. J. P. Singh, Title: "**Identification of Online Harassment on Social Media using Soft Computing Techniques**", March 2021.

[5] Abhinav Kumar, Roll No. 155CS07, Department of Computer Science and Engineering, Supervisor: Dr. J. P. Singh, Title: "**Deep Learning for Disaster-related Event Classification & Location Predictions from Social Media**", Oct 2021

Expert Lectures

[1] Artificial Intelligence and its Applications", LNJP Institute of Technology, Chhapra, 15-9 Mar 2021

[2] How to Write a Good Research Paper", Institute of Engineering and Management, Kolkata,24 Feb 2021

[3] Artificial Intelligence, Sikkim Manipal Institute of Technology, 22bd Feb 2021 to 26th Feb 2021

[4] Introduction to neural network and deep learning, IIIT Dharwar, 20th Jan 2021

[5] Machine Learning Applications in Mechanical Engineering (MLAME), National Institute of Technology Patna, 21-26th Dec 2020

[6] Data Sciences, National Institute of Technology, Mizoram, 15-19th Dec 2020

[7] Machine Learning & Deep Learning Techniques with its Applications, Central Institute of Technology, Kokrajhar, 23-27 Nov 2020

[8] Deep Learning Using Convolutional Networks and Sequence Models, Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari, Karnataka, 23-27 Nov 2020

[9] Deep learning with MATLAB, National Engineering College, Kovilpatti, 13th Nov 2020

[10] POS tagging, Pandit Deendayal Petroleum University, Gandhinagar, 23rd Sept 2020

[11] Natural Language Processing during 06-10 January, 2020 at NIT Patna.

[12] Natural Language Processing during 02-11 December, 2019 at NIT Rourkela.

[13] 5**-days Lecture Series on Artificial Intelligence, IoT, Cloud Computing, Machine Learning and Deep Learning, Python & Data Analytics using IBM SPSS Modeller(applications with hands-on practices)** in REC Ambedkarnagar scheduled from September 17th to September 21st 2019

[14] "Artificial Intelligence" at MIT Muzaffarpur during 5th – 7th September, 2019

[15] "**3-days workshop on programming languages, machine learning and wireless sensor network**" during 14th to 16th September 2018.

[16] "**Introduction to Neural Network & CNN for Computer vision (10th & 11th April 2018)**" in 5-day FDP on Machine Learning and Computer Vision (MLCV-2018)" organized by Kamla Nehru Institute of Technology, Sultanpur, from 9th - 13th April 2018.

[17] "**Cryptocurrency**" in 5-day STC on "Concepts of Cryptographic Engineering" at NIT Patna from 19th – 23rd Feb 2018.

[18] "**Applied Machine learning and Text Mining in Python (24 and 25 Nov 2017)**" in 2-week FDP on "Object Oriented Programming" organized by the E&ICT Academies, NIT Patna, IIT Guwahati, IIITDM Jabalpur, MNIT Jaipur and NIT Warangal from 20th – 29th November, 2017 at NIT Patna.

[19] "**Unsupervised learning, Reinforced learning and Applications of machine learning in WSN/IOT (16, 17 and 18 Oct 2017)**" in the One Week FDP on "Sensors, IoT and Security" organized by the E&ICT Academy, NIT Patna, Maulana Abul Kalam Azad University of Technology & Techno India College of Technology, West Bengal from 13th – 18th Oct, 2017 at Maulana Abul Kalam Azad University of Technology.

[20] Keynote Address in "2nd International Conference on Recent Trends in Computer Science and Technology (ICRTCST-2017)" from 20-21st April, 2017

[21] "**Introduction to Fuzzy Sets**" in 6-day short term course on Fuzzy Sets, System and Applications" from 25-30th April, 2016

[22] "**Social network Analysis**" in 2-day short term course on Social Media and E-Commerce" on 11th-12th Sept, 2015

Interaction with outside

- Member and Collaborator in **Emerging Markets Research Centre (EMaRC), Swansea University, UK**
- Reviewer for international journals such as:
  - **Journal of Neural Computing and Applications (NCA),** Springer, Netherlands**,**
  - **Journal of Internet Research, Emerald Publishing,**
  - **IEEE Transactions on Cloud Computing, IEEE**

Educational Qualifications

[1] **PH.D in [TECHNOLOGY]** from University of Calcutta, [April 2015] [Title: Temporal Characterization in Mobile Ad Hoc Network Environment, Supervisors: Prof. (Dr.) Amlan Chakrabarti and Prof. (Dr.) Paramartha Dutta]

[2] **M.TECH in [Information Technology]** in First Class with distinction **[76.64 %]** from [Sikkim Manipal Institute of Technology, Sikkim, India] in [Sept 2005].

[3] **B.TECH in [Computer Science and Technology]** in First class **[77.6%]** from [Kalyani Government Engineering College, Kalyani, Nadia, India] in [May 2000].

Work Record

[1] Working as **Assistant Professor** in the Department of **Information Technology**, in **National Institute of Technology Patna**, Bihar, India, since July 2011.

[2] **Assistant Professor and Head** in the Department of **Information Technology**, in Academy of Technology, West Bengal, India from June 2007 to July 2011.

[3] **Assistant Professor and Head** in the Department of **Information Technology**, in Durgapur Institute of Advanced Technology and Management, Durgapur, West Bengal, India from August 2006 to May 2007.

[4] **Senior Lecturer and Head** in the Department of **Information Technology**, in Durgapur Institute of Advanced Technology and Management, Durgapur, West Bengal, India from September 2005 to July 2006.

[5] **Lecturer** in the **Department of Computer Engineering**, in Sikkim Manipal Institute of Technology, Sikkim, India from August 2001 to September 2005.