



DURGA PRASAD ROY

ASSISTANT PROFESSOR, CSE DEPT,
G. H. RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT
CRPF GATE, NO.3, HINGNA RD, NAGPUR, MAHARASHTRA 440016

PROFILE

A distinguished professional with over 12 years of experience in teaching and research, I am actively seeking challenging opportunities to leverage my extensive expertise for the advancement of your esteemed organization. My robust technical acumen, coupled with a steadfast commitment to excellence, enables me to navigate complex challenges effectively and drive the organization towards sustained success. I am eager to apply my strategic vision and refined professional skills to propel your organization to new heights of achievement.

WORK EXPERIENCE

G H RAISONI COLLAGE OF ENGINEERING, NAGPUR, MAHARAstra, NAAC "A++"

01/04/2023
-PRESENT

- Delivered engaging lectures, seminars, and tutorials to enhance class productivity and foster an enriching learning environment. In addition, I have conducted thorough research to ensure that my teaching methods adhere to the highest academic standards.
- Actively participated in the planning and development of teaching materials, workbooks, and class projects, ensuring they are engaging and effective. Additionally, I have managed attendance, graded assignments, and maintained accurate student records to support their academic progress.

ROORKEE INSTITUTE OF TECHNOLOGY, UTTRAKHAND, NAC 'A++' ACCREDITED

02/02/2021
-30/03/2023

- Managed administrative tasks such as attendance tracking, assignment evaluation, and maintaining comprehensive student records, ensuring efficient and organized classroom management. Contributed to the refinement of teaching methodologies through ongoing assessment and feedback mechanisms.

MOTI BABU INSTITUTE OF TECHNOLOGY FORBISHGANJ, BIHER

1/09/2017 -
30/1/2021

- Fostered a positive learning environment by promoting open communication, mutual respect, and academic integrity among students, creating a supportive and collaborative atmosphere conducive to learning and personal growth.
- Engaged in continuous professional growth by pursuing additional training opportunities and staying abreast of advancements in the field of education, ensuring that my teaching methods remain current and effective.

BENGAL COLLEGE OF ENGINEERING DURGAPUR, WEST BENGAL

05/02/2012 -
30/08/2017

- managed administrative tasks such as attendance tracking, assignment evaluation, and maintaining comprehensive student records, ensuring a streamlined and efficient educational environment.
- Collaborated in curriculum development and the creation of educational resources tailored to diverse learning styles.

EDUCATIONAL QUALIFICATION

P. HD: PURSUING from NATIONAL INSTITUTE OF TECHNOLOGY, JAMSHEDPUR,

M. TECH : NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH KOLKATA, 73.70%, 2012.

B. TECH: BANKURA UNNAYAANI INSTITUTE OF ENGINEERING, 65.20% , 2009.

H.S : RAIGANJ MOHANBATI HIGHSCHOOL, 47.90%, 2005.

SECONDARY: RAIGANJ MOHANBATI HIGH SCHOOL, 56.37%, 2003.

CONTACT

+91-7908027061 /
+91- 9163071503

durgaprasadroy@gmail.com

Karnojora Kalibari,
Raiganj, Uttar Dinajpur,
Wist Bengal-733130

ACHIEVEMENTS & AWARDS

- GATE 2010
- NSS (National Social Service)

TECHNICAL SKILL

- C
- C++
- JAVA
- Matlab
- Python
- R Programming

AREA OF INTEREST

- SOFTWARE ENGINEERING
- DBMS
- OPERATING SYSTEM
- DESIGN AND ANALYSIS
ALGORITHM
- SOFT COMPUTING
- ARTIFICIAL INTALIGENCE

- Soft Computing
- Big Data Computing
- Data Science for Engineers

LANGUAGES KNOWN

- English
- Hindi
- Bengali

PUBLICATION

Book

- 1.Fundamentals of Machine learning,Authors: Mr. Vikash Sawan, Ms. Kumari Jugnu, Mr. Durga Prasad Roy, Mr. Vishal Keshao Gajghate, Scientific International Publishers , ISBN: 978-93-5757-487-7
2. Theory on machine learning probabilities: R program, Authors: Ms. Kumari Jugnu, Mr. Durga Prasad Roy, Mr. Mohammad Sadique Ansari, Mr. Vikash Sawan, Scientific International Publishers

Book Chapter

1. Case-Based Reasoning and SomeTypical Applications, Source Title: Leadership and Personnel Management: Concepts, Methodologies, Tools, and Applications,Copyright: © 2016 |Pages: 37, DOI: 10.4018/978-1- 4666- 9624-2. ch049

Patent

- 1.Application no: 202331079221, A METHOD AND SYSTEM FOR PASSING ENCRYPTED MESSAGES THROUGH TEXT, Dr. Santanu Koley, Dr. Seema P. Nehete, Durga Prasad Roy, Aditya Shankar Ghosh, Dr. Sandip Chanda, Surbhi Tyagi, Dr. Sumana Kundu, Dr. Santanu Santra, Anandaprova Majumder, Dr. Suvamoy Changder, Dr. Anand Kiran, 22/11/2023.
- 2.Application No.202441016140 A, A HYBRID SYSTEM FOR AUTOMATIC SPEED CONTROL AND ALARM FOR ABNORMAL DRIVING VEHICLE,DURGA PRASAD ROY, BOYA DIVYA, J. VENKATARANGAN, BISTI GEETHA KUMARI, BOYA SRAVYA, G.TAVANYA, M. SINDHUJA, Dr. VRUSHALI VINAYAK GAIKE, S. BAVANKUMAR, 29/03/2024

Journal

- 1.A Remote Smart Card Authentication Protocol using elliptic curves. 2012,3856- 3866, International Journal of Computer Science and Information Technologies, (IJCSIT) ISSN: 0975-9646,Vol.3 (3)
2. Utilizing a Neural Network for Software Testing, International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 10, Issue 10, October-2022, ImpactFactor: 7.429, Available online at: www.ijaresm.com
3. Process for Testing Software Automatically, International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455- 6211 Volume 10, Issue 10, October-2022, Impact Factor: 7.429, Available online at:www.ijaresm.com
4. Software Development: Examining Statistical Machine Learning as a Tool,International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455 6211 Volume 10, Issue 10, October-2022, Impact Factor: 7.429, Available online at: www.ijaresm.com

Conference

1. Vocational Technical Education and Training Challenges and Strategies for Development, NITTTR KOLKATA. 2012
2. CBR Approach for Emergency Digester Management System (EDMS). International Conference on Decision support system for early warning of Mitigation of Digester (DSS- EWMD). NIT DURGAPUR. December 28-30, 2014.
3. Health Services Support System (HESS): An Ontology supported CBR system for cognitive diagnosis applied on HIV/AIDS detection", Computing for Sustainable Global Development (INDIACom), 2015 2nd International Conference (IEEE), ISBN-978- 9-3805-4415-1, pp. 284 – 290, 11-13 March, 2015.
4. AUTOMATIC APPROACH FOR MASK DETECTION: EFFECTIVE FIR COVID-19, Innovative Research in Applied Science & Engineering (ICIRASE- 2021), RIT, 20-21 Feb, 2021.

FDP/ WORKSHOP/ SORT TERM COURSE ATTENDED

- GREEN COMPUTING-CHALLENGES AND ISSUES Organised by The Institute of Engineers, 29-30 Apr, 2011
- KEEPING UP WITH THE TECHNOLOGY INNOVATION: MANAGING RESPECT, TEQIP-II , NIT DURGAPUR, 14 Nov, 2013.
- ACADEMICS TO SOFTWARE ENGINEERING INDUSTRY TEQIP-II , NIT DURGAPUR, 2nd Jan, 2014.
- COMPUTER VISION AND PATTERN RECOGNITION TEQIP-II Sponsored One week Sort term Course, NIT DURGAPUR, 16-20 Jun, 2014.
- INFORMATION SECURITY AND CRYPTOGRAPHY (ISC 2015) One Week Sort Term Course. NIT DURGAPUR, 5-9 Jan, 2015
- Frontline in Intelligent Computing: Theory and Application (FICTA 2015) - 4th International Conference on Frontiers in Intelligent Computing: Theory and Application, held from 16th to 18th November, 2015.
- Webinar on Security Awareness in Digital Tomorrow organized by the Cyber Security Centre of Excellence, Department of Information Technology & Electronics, Government of West Bengal held on and from 7th June, 2021 to 9th June, 2021 using online platform.
- Faculty Development Program (FDP) on "Cyber Security: Challenges and Evolving Solutions" from 07/12/2021 to 11/12/2021 at National Institute of Technology Sikkim.
- FDP on Optimisation Techniques for Deep Learning Electrical & Computer Engineering from 03/01/22 to 07/01/22 at Maulana Azad National Institute of Technology Bhopal.
- Participating in an Online Webinar on Creativity and Innovation: Contemporary Issues and Challenges held on 21st April, 2023.