



**Centre/School/Special Centre**

**Department: Information Technology**

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**Personal Webpage Link**

### **Qualifications**

Dr. C. V. Raman University, Bilaspur  
Ph.D. in Computer Science & Engineering

August 2022

Shri Ram Institute of Technology, Jabalpur  
M.E in Computer Science & Engineering with 78.3 %

June 2015

National Institute of Technology, Raipur  
B.Tech in Computer Science & Engineering with 74.3%

June 2008

### **Area of Interest/Specialization**

- Text Mining
- Data Mining
- Machine Learning

### **Experience**

- **Present Status** Assistant Professor  
Department of Information Technology Engineering  
SOS, Engineering and Technology  
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
- **5.2 year** of Teaching experience as an Assistant Professor in the Department of Computer Science & Engineering, from Dr. C. V. Raman University, Kargi Road Kota, Bilaspur (C. G.).

## **Awards and Honors**

- Research Leadership Award 2020 in the field of **INTERNATIONAL DISTINGUISHED RESEARCHER in TEXT MINING** in association with World Research Council and United Medical Council, Organized by RULA, Trichy, Tamilnadu, India, on 26 January 2020.

## **Best Peer Reviewed Publication (up-to 10)**

- Ankit Kumar, Rohit Raja, Amit Kumar Dewangan, Manoj Kumar, Aradhana Soni, Dheeraj Agarwal (2025) " Next-Generation Intrusion Detection Systems: A Hybrid Machine Learning Framework for Intelligent Cyber Threat Neutralization," urnal of Network and Systems Management, <https://scietty.org/articles/activity/10.21203/rs.3.rs-5762323/v1>.
- Sumati Pathak, Hiral Raja, Sumit Srivastava, Neelam Sahu, Rohit Raja, Amit Kumar Dewangan, A deep learning framework for students' academic performance analysis, CSI Transactions on ICT. 11(4), page 179-191 <https://link.springer.com/article/10.1007/s40012-023-00388-9>
- Akhilesh Kumar Shrivass, Amit Kumar Chandanan, Amit Kumar Dewangan, Vikas Kumar Pandey, Vivek Kumar Sarathe, CLASSIFICATION OF COVID19 CT SCAN IMAGE USING CONVOLUTIONAL NEURAL NETWORK, Journal of Data Acquisition and Processing, Vol. 38, No.1, pp. 1951, 2022.,
- Ranjana Rathore, Suhel Ahamad, Aradhana Soni, Amit Kumar Dewangan, Abhishek Jain, Agriculture Field Area Calculation Using Drone Camera: Method and Framework Design, SN Computer Science (2024), 5(2), Page 267. <https://link.springer.com/article/10.1007/s42979-023-02577-4>
- Aradhana Soni, Prabira Kumar Sethy, Amit Kumar Dewangan, Aziz Nanthaamornphong, Santi Kumari Behera, Baishnu Devi (2024). Enhancing oral squamous cell carcinoma detection: a novel approach using improved EfficientNet architecture. BMC Oral Health 24(1) , page 601. <https://doi.org/10.1186/s12903-024-04307-5>
- **Amit Kumar Dewangan** , Akhilesh Kumar Shrivass “An Ensembl Model for classification of attacks with feature selection based on KDD99 and NSL-KDD data set”, International Journal of computer Application, ISSN 0975-8887 , Volume 99-No. 15, August 2014.
- **Amit Kumar Dewangan** ,Sandeep Sahu , “A Rule Based Http Anomaly Classifier”, International Journal of computer Application, ISSN 0975-8887 , Volume 106-No. 16, November 2014.
- **Amit Kumar Dewangan**, A. K. Shrivass, “Identification and Classification of Heart Disease with Feature Selection”, International Journal of Engineering Science and Technology, ISSN : 0975-5462 , Volume 9 , No.05 , May 2017.

- **Amit Kumar Dewangan**, A. K. Shrivastava, S. M. Ghosh, “Text Classification of Cornell Movie Data using Data Mining with Feature Selection”, International Journal of Engineering and Advanced Technology, ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019.(Scopus Index)
- **Amit Kumar Dewangan**, A. K. Shrivastava, S. M. Ghosh, “Design of Novel ETL Model to Analyse Corona Virus Data”, EAI Endorsed Transactions on Pervasive Health and Technology,
- **Amit Kumar Dewangan**, A. K. Shrivastava, S. M. Ghosh and Singh, D. (2021), Development of Proposed Ensemble Model for Spam e-mail Classification. Information Technology and Control , 50(3): 411-423, DOI: <https://doi.org/10.5755/j01.itc.50.3.27349>
- **Amit Kumar Dewangan**, A. K. Shrivastava, S. M. Ghosh (2021), Robust Text Classifier for Classification of Spam E-mail Documents with Feature Selection Technique. International Information and Engineering Technology Association, 26(5): 437-444, <https://doi.org/10.18280/isi.260502>
- **Amit Kumar Dewangan**, Akhilesh Kumar Shrivastava, Prem Kumar , “Classification of Thyroid Disease with Feature Selection Technique”, International Journal of Engineering and Techniques, ISSN 2395-1303 ,Volume 2 Issue 3 , June 2016.
- **Amit Kumar Dewangan** , Jaspreet Kaur Viridi ,” An Ensemble Model for Identification of Phishing Website” , International Journal for Research in Applied Science & Engineering Technology , ISSN: 2321-9653 , Volume 5 Issue IV, April 2017.

### **Edited Book**

- **Co-editor** of book, “Online Identity - An Essential Guide”, ISBN: 978-0-85466-148-0.

### **Recent Books/Book Chapters/Monographs etc.**

- Blockchain and Machine learning based Emerging Technology: “Smart Contract: Non-Financial Application Using Blockchain Technology”.
- Data Mining and Machine Learning Algorithms: “Data-Mining Tools and Techniques: Clustering Analysis”.

### **Research Supervision**

- **Society Maker using the Entity Framework and AES Cryptography Algorithm to improve Security**” Submitted by **Sashikala Patel** Student of final year M. Tech CSE in year 2016.

- **“Development of Robust Model for Classification of Thyroid Disease”** Submitted by **Prem Kumar** Student of final year M. Tech CSE in year 2016.
- **“Preference Evaluation and Implementation of Facial Expression and Emotion Recognition System using Principal Component Analysis”** Submitted by **Akhil Upadhyay** Student of final year M. Tech CSE in year 2016.
- **“An Efficient Model for Classification of Diabetes Disease using Machine Learning Technique”** Submitted by **Ashutosh Dwivedi** Student of final year M. Tech CSE in year 2017.
- **“Development of Robust Model for Classification of Heart Disease”** Submitted by **Bharti Dansena** Student of final year M. Tech CSE in year 2017.
- **“An Identification of Phishing Website using Classification Technique”** Submitted by **Jaspreet Kaur Viridi** Student of final year M. Tech CSE in year 2017.
- **“Fast and Approximate Processing Entity for DIBR Method-3”** Submitted by **Naziya Kauser** Student of final year M. Tech CSE in year 2017.
- **“An Identification and Classification of Diabetic Retinopathy using Machine Learning Technique”** Submitted by **Pooja Pradhan** Student of final year M. Tech CSE in year 2018.
- **“Development of Robust Model for Classification of Banknote Authentication”** Submitted by **Sudesh Kumar Dhiwar** Student of final year M. Tech CSE in year 2019.

### **Administrative Responsibilities**

- Assistant Internal Audit Incharge.
- Active member in **“GGV SWABHIMAN THALI”**.
- Assistant Exam Superintendent officer session 2022-23.
- University level placement member.
- 2<sup>nd</sup> year class in-charge.
- Advanced Programming Lab in-charge.
- School level Departmental research coordinator.
- School level placement member.
- School level virtual lab member.
- Member of Document Verification committee in University level counselling team.
- Member of Scrutiny committee in Department of Electronic & communication for recruitment team.
- Member of TECH FEST-2023
- Member in MOOC Lab committee.
- Member in M.Tech admission committee.

### **Additional Information**

- **UGC NET Qualified conducted by CBSE Dec-2015.**
- **UGC NET Qualified conducted by CBSE Nov- 2017.**
- **CG-SET Qualified conducted by CVPM, Nov- 2019.**

### **International/National Conference and Seminars**

- **Classification Of Covid-19 Disease using Deep Neural Network**, presented a paper in 2022 USTM-AIMT SUMMER International conference held during 5-6 August, 2022 at University of Science and Technology Meghalaya, India
- **Classification of Spam E-mail Text Document using Machine Learning Technique**, Presented in 2021 AIMT Summer Conference (Virtual) On Interdisciplinary Research In Applied Mathematics, Management And Technology (IRAMMT) During 20-21 June, 2021 Organized By American Institute Of Management And Technology (AIMT), USA, A Subsidiary Of The Global Knowledge Foundation (GKF), Inc., USA.
- **“Text Similarity using Clustering Approach”** International Conference on Innovative research in Science, Management and Technology, Organized by Department of Computer Science and Application Atal Bihari Vajpayee University, Bilaspur (C.G.), India In Association with MTMI, Inc. (USA) and Sponsored by CCOST, Raipur(C.G.), India, University of Maryland Eastern Shore, USA and Frostburg State University, Frostburg ,USA, January 04-05,2020.
- A Paper Present on **“A Comparative Analysis of Classification Techniques in Movie Review”** MTMI International Conference on Emerging Issues in Business, Technology and Applied Sciences, Ebene, Mauritius in collaboration with Amity Institute of Higher Education, Mauritius during December 20-22, 2019.
- A Paper presented on **“Text Pre-processing and classification using Machine Learning Technique”**, National Conferences on Advances in Computer Science and Information Technology(NCACISIT held on 22-23 February 2019 at Dr. C. V. Raman University, Kota, Bilaspur, Chhattishgarh, India.
- A Paper presented on **“Big Data And Market Basket Analysis : A Survey”**, Review of Business and Technology Research, International Conference on Innovative research in

science, Management and Technology Organized by Department of Computer Science and Application, Bilaspur university, Bilaspur(c.g) India in Association with Morden Technology and Management Institute(MTMI), Inc.,USA & In Collaboration with University of Maryland Eastern Shore,Maryland, USA Frostburg state University, Frostburg,USA during August 04-05, 2018.

- A Paper presented on **“Design & Implementation of IDS using Honeypot For detection HTTP Attacks”**, International Conferences on Emerging Trends in Science & Technology,(Impact on Environment & society for inclusive Growth) ICETST-14 held on AISECT University , BHOPAL at 14-15 Feb 2014.
- Certificate of Participation on National Conference on **ENRICHING QUALITY IN HIGHER EDUCATION PARADIGM** Organized by AUROPATH, Society House, Puduchery, held on 5-7 August 2019.
- Presenting a paper in **TPS (Technical Poster Session)** held during **Tryst 2007** at **IIT Delhi**.
- Paper presented in 7<sup>th</sup> National level Technical Symposium on **“Innovation in Science & Technology”** in ALL SAIN’S COLLEGE OF TECHNOLOGY facing international airport Gandhi nagar , Bhopal at march 2011.

### **NITTTR Module**

- Module 1\_ Orientation Towards Technical Education and Curriculum Aspects.
- Module 2\_ Professional Ethics & Sustainability.
- Module 3\_ Communication Skills, Modes & Knowledge Dissemination
- Module 4\_ Instructional Planning and Delivery
- Module 5\_ Technology Enabled Learning & Life Long Self Learning
- Module 6\_ Student Assessment and Evaluation
- Module 7\_ Creative Problem Solving , Innovation and Meaningful R & D
- Module 8\_ Institutional Management & Administrative Procedures

### **Orientation Program**

- UGC-SPONSORED "GURU DAKSHTA" FACULTY INDUCTION PROGRAMME (ONLINE) participated in the 2nd "**GuruDakshta**" Faculty Induction Programme (FIP) from 15/02/2021 to 17/03/2021 and obtained Grade A.

### **Training Program**

- 4 Weeks Industrial Training: Integrated Telecom/Data Network & Cyber Security, (ONLINE) , in ADVANCED LEVEL TELECOM TRAINING CENTER(ALTTC) ,GHAZIABAD (UNO'S ITU CENTER OF EXCELLENCE) from 23-05-2022 to 18-06-2022.

### **Faculty development Program**

- Participated in a 40-hours online Faculty Development Program titled “Data Science for All” jointly organized by Electronic and ICT Academies- NIT Warangal , IIITDM, Jabalpur and NIT Patna during 27 July to 8 August 2020.
- Participated and successfully completed the 5-day online FDP on the theme Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 18<sup>th</sup> October, 2021 to 22 and October, 2021.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence and Machine Learning" from 04/10/2021 to 08/10/2021 at National Institute of Technology Raipur.
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on " Data Science: Applications and Research Directions" from 2021-07-05 to 2021-07-09 at Atal Bihari Vajpayee University.
- Participated & completed successfully Faculty Development Programme on "Emerging Trends in Machine Learning and Its Applications" held from 07 March 2022 to 11 March 2022 organized by the Department of Computer Science & Information Technology, Guru Ghasidas Vishwavidyalaya Bilaspur, Chhattisgarh, India.
- Participated in a one week online faculty development program (FDP)- Workshop on “Writing Effective and Quality Research Papers, How to Publish in Scopus, SCI Listed and reputed Journals?” Department of Industrial & Production Engineering, Guru Ghasidas Vishwavidyala (A Central University) Bilaspur (C.G.) during 25 - 29, January, 2022.