

CURRICULAM VITAE

Dr. Dilip Kumar Choubey
(Senior Member IEEE, Fellow (IETE))
Assistant Professor,
Department of Computer Science and Engineering,
Indian Institute of Information Technology Bhagalpur,
Sabour, Bhagalpur – 813210, Bihar, India
E-mail: dkchoubey.cse@iiitbh.ac.in (Official/Institute)
dilipchoubey_1988@yahoo.in (Personal)
Mobile: +91 7033789676 / +91 7903300713



BIOGRAPHY

Dr. Dilip Kumar Choubey is currently working as an Assistant Professor in the Department of Computer Science and Engineering, Indian Institute of Information Technology Bhagalpur, Bihar since November 2020. He was also associated with VIT Vellore, Tamil Nadu and NIT Patna, Bihar as an Assistant Professor. He received his Ph.D. in Engineering from Birla Institute of Technology (B.I.T), Mesra, Ranchi in 2018, M.Tech degree in Computer Science and Engineering, B.E. in Information Technology from RGPV Bhopal in the year 2012 and 2010 respectively. He is an author/edited of 2 books, 01 patent published, 03 copyright grant and has more than 85 reputed research publications in international journals, book chapters and conference proceedings. He has also received one project as a Co-PI funded by TEQUIP Collaborative Research Scheme. He has supervised 01 No. of PhD scholar, 06 PhD scholars are currently working under his Supervision, Supervised 09 M. Tech students and 56 B.Tech Projects. He has conducted and delivered many expert talks in FDP/STC/Workshops. He has reviewed many research papers in reputed journals/conferences/book chapters. He is the members of several professional bodies such as Senior member of IEEE, member of ACM, Fellow of IETE, life members of CSI, etc. His research interests include Artificial Intelligence, Machine Learning, Deep Learning, Data Science, Soft Computing, Pattern Recognition, Medical Informatics, Data Mining, Database Management Systems, IoT, etc.

EDUCATIONAL DEGREES

Ph.D. (2018)

Department of Computer Science and Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India

Specialization: Engineering (Computer Science & Engineering)

Research Areas: Soft Computing, Data Mining, Pattern Recognition, and Machine Learning

Thesis Title: Classification Techniques and Rule based System for Diabetes.

Thesis Descriptions: Diabetes means blood sugar is above desired level on a sustained basis. We have collected the real data of diabetes patients and normal people in the hospital who visited to doctor. For this collected real dataset and some existing datasets have used several classification techniques and also developed rule-based diagnosis system for diabetes as per the suggestions of Diabetologist.

CGPA obtained in course work: 8.25/10

M.Tech. (2012)

Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV) Bhopal, Madhya Pradesh.

Specialization: Computer Science and Engineering

Research Areas: Database, and Web Security

Thesis Title: Loss Minimization of Web Databases by Fine Grain Approach.

Thesis Descriptions: The secured web database has been created at the application and database layer, minimized the loss of data in the database, and also recovered the lost data. When data has been altered by an unauthorized user, then authorized user is informed by SMS and Email by using fine grain access control.

CGPA obtained: 7.87/10 (78.7%)

B.E. (2010)

Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV) Bhopal, Madhya Pradesh.

Specialization: Information Technology

Marks obtained: 69.94% (2238 out of 3200)

Research Areas of Interests:

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Data Science
- Soft Computing
- Pattern Recognition
- Medical Informatics
- Data Mining
- Database Management Systems
- IoT

Teaching Interests:

- Database Management Systems
- Data Structures and Algorithms
- Artificial Intelligence
- Soft Computing
- Data Mining
- Data Science
- Data Visualization
- Machine Learning
- Introduction to Computing
- Data Communication
- Object Oriented Programming (OOP)
- Computer Network

TEACHING AND RESEARCH EXPERIENCE

Current Position:

- Assistant Professor Grade II, Level 11, PB-3, AGP RS RS7000/-, Department of Computer Science & Engineering, Indian Institute of Information Technology Bhagalpur, Bihar, India since 19th May, 2023.

Teaching Experiences:

- Assistant Professor Grade II, Level 10, PB-3, AGP RS RS6000/-, Department of Computer Science & Engineering, Indian Institute of Information Technology Bhagalpur, Bihar, India from 9th November, 2020 to 19th May, 2023.
- Worked as an Assistant Professor (Senior) in School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu from 13th May, 2019 to 06th November, 2020.
- Worked as an Adhoc Faculty in Department of Computer Science & Engineering, National Institute of Technology, Patna, Bihar from 9th August, 2018 to 9th May, 2019.
- Worked as an Assistant Professor (On Contract) in Department of Computer Science & Engineering, National Institute of Technology, Patna, Bihar from 30th March 2017 to 31st May, 2018.
- Worked as an Assistant Professor in Department of Information Technology, Lakshmi Narain College of Technology, Bhopal, Madhya Pradesh from 5th July, 2013 to 31st March, 2014.
- Worked as a Senior Lecturer in Department of Information Technology, Oriental College of Technology, Bhopal from 20th February, 2013 to 4th July, 2013.

Research Experiences:

Ph.D. Guidance: 01 No. Awarded, 06 Nos. Pursuing

| S. No. | Title of Ph.D. Thesis | Name of the Scholar | Name of Supervisor | Pursuing/ Date of Admission | University/ Institute | Date and Year of Submission / Award |
|--------|---|----------------------------|--|-----------------------------|-----------------------|-------------------------------------|
| 1 | Soft Computing [Tentative] | Pranay Ranjan (250301006) | Dr. Dilip Kumar Choubey | Pursuing Since 10-08-2025 | IIT Bhagalpur | |
| 2 | AI and Data Science [Tentative] | Shailesh Kumar (250301007) | Dr. Dilip Kumar Choubey | Pursuing | IIT Bhagalpur | |
| 3 | Thunderstorm and Lightning Prediction using Soft Computing Approaches [Tentative] | Pria Bharti (240301010) | Supervisor: Dr. Dilip Kumar Choubey Co-Supervisor: Dr. Kanchan Bala | Pursuing Since 05-08-2024 | IIT Bhagalpur | |
| 4 | Cardiovascular Health Monitoring using Hybrid Machine Learning and Deep Learning | Kaustav Dutta (240301007) | Dr. Dilip Kumar Choubey [Solely] | Pursuing Since 05-08-2024 | IIT Bhagalpur | |

| | | | | | | |
|---|---|-------------------------------|----------------------------------|----------------------------|----------------|---|
| | Framework [Tentative] | | | | | |
| 5 | Detection of Brain Tumor using Deep Learning Techniques [Tentative] | Pronay Pal (240301008) | Dr. Dilip Kumar Choubey [Solely] | Pursuing Since 05-08-2024 | IIIT Bhagalpur | |
| 6 | Prediction of Alzheimer's Disease using Artificial Intelligence and Machine Learning [Tentative] | Rajesh Kumar Singh (2203008) | Dr. Dilip Kumar Choubey [Solely] | Pursuing Since 16-08-2022 | IIIT Bhagalpur | |
| 7 | A Reliable Detection of Paddy Plant Leaf Diseases using Machine Learning Techniques | Ratnesh Kumar Dubey (2103001) | Dr. Dilip Kumar Choubey [Solely] | Admission Date: 23-08-2021 | IIIT Bhagalpur | Awarded: 06-06-2025 Submitted: 27-01-2025. |

M.Tech Guidance: 09 Nos. Completed, 06 Nos. Pursuing.

| S. No. | Session | Title of Thesis | Name of Students with Roll No. | University/Institute | Year of Award |
|--------|---------------------------------|---|---------------------------------|---|---------------|
| 1 | Autumn – July 2026 - June 2027. | Machine Learning [Tentative] | Saniya Kumari (250201002) | Indian Institute of Information Technology Bhagalpur, Bihar | 2027 |
| 2 | Autumn – July 2026 - June 2027. | Machine Learning [Tentative] | Kumar Sunny (250201003) | Indian Institute of Information Technology Bhagalpur, Bihar | 2027 |
| 3 | Autumn – July 2026 - June 2027. | Machine Learning [Tentative] | Nitin Kumar (250201005) | Indian Institute of Information Technology Bhagalpur, Bihar | 2027 |
| 4 | Autumn – July 2025 - June 2026. | Plant Disease Classification using Deep Learning Techniques [Tentative] | Aditya Kumar Pandey (240201001) | Indian Institute of Information Technology Bhagalpur, Bihar | 2026 |
| 5 | Autumn – July 2025 - June 2026. | Classification of Skin Cancer using CNN and Vision Transformer [Tentative] | Neeraj Kumar Yadav (240201022) | Indian Institute of Information Technology Bhagalpur, Bihar | 2026 |
| 6 | Autumn – July 2025 - June 2026. | Classification of Brain Tumor Detection using Machine Learning [Tentative] | Utkarsh Raj (240201022) | Indian Institute of Information Technology Bhagalpur, Bihar | 2026 |

| | | | | | |
|----|---------------------------------|--|-------------------------------|---|------|
| 7 | Autumn – July 2024 - June 2025. | Classification of Diabetic Retinopathy using Deep Learning Techniques | Divya Mala (230201002) | Indian Institute of Information Technology Bhagalpur, Bihar | 2025 |
| 8 | Autumn – July 2024 - June 2025. | Tomato Plant Disease Classification using Deep Learning Techniques | Kavish Thakur (230201003) | Indian Institute of Information Technology Bhagalpur, Bihar | 2025 |
| 9 | Autumn – July 2023 - June 2024. | An Efficient Detection of Lung and Colon Cancer Using Deep Learning Techniques | Deepali Sharma (2202004) | Indian Institute of Information Technology Bhagalpur, Bihar | 2024 |
| 10 | Autumn – July 2022 - June 2023. | Hybrid Advantage Evaluation for Heavy Engine Duty Cycle | Anish Anand (2102002) | Indian Institute of Information Technology Bhagalpur, Bihar | 2023 |
| 11 | Autumn – July 2022 - June 2023. | Analysis and Implementation for Chatbots, Feedback & Insurance Portal to Enhance Customer Experience | Satyam Mallik (2102019) | Indian Institute of Information Technology Bhagalpur, Bihar | 2023 |
| 12 | Autumn – July 2022 - June 2023. | Survival Prediction and Cell Classification in Bone Marrow Using Machine Learning and Deep Learning Approach | Rishabh Hanselia (2102020) | Indian Institute of Information Technology Bhagalpur, Bihar | 2023 |
| 13 | Fall -May 2019- May 2020. | Heart Disease Prediction using Effective Machine Learning and Data Mining Techniques | Keshav Srivastava (18MCS0091) | Vellore Institute of Technology, Vellore, Tamil Nadu | 2020 |
| 14 | Fall -May 2019- May 2020. | Implementation and Analysis of Machine Learning Techniques for Classification of Liver Disorder | Sushmit Pahari (18MCS0094) | Vellore Institute of Technology, Vellore, Tamil Nadu | 2020 |
| 15 | Fall -May 2019- May 2020. | Breast Cancer Prediction using Machine Learning | Ramik Rawal (18MCS0037) | Vellore Institute of Technology, Vellore, Tamil Nadu | 2020 |

MCA/M.Sc.: 01 Nos.; B.Tech/B.E. Guidance: 56 Nos.

RESEARCH PUBLICATIONS (81: 31 J+36 C+17 BC; 02: B)

| Journals | | Conferences | | Books/Edited Books | | Book Chapters | |
|---|-----------|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|
| International | National | International | National | International | National | International | National |
| 31 | 00 | 36 | 00 | 02 | 00 | 17 | 00 |
| SCI/SCIE/ESCI (WoS), Scopus | Others | SCI/SCIE/ESCI (WoS), Scopus | Others | SCI/SCIE/ESCI (WoS), Scopus | Others | SCI/SCIE/ESCI (WoS), Scopus | Others |
| 25 | 06 | 33 | 03 | 01 | 01 | 08 | 09 |
| Total No. of Citations with h index and i10- index | | | | | | | |
| Google Scholar | | | | Scopus | | WoS, Publons (Researcher) | |
| 1472 | | | | 952 | | 236 | |
| h-index | | i10- index | | h-index | | i10- index | |
| 21 | | 33 | | 17 | | 9 | |
| | | | | NA | | NA | |

Journals Published/Production/Accepted (31)

SCI/SCIE/ESCI/Scopus (25)

- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, “Detection of paddy plant diseases using SVM-RFE, AROA with MBI-LSTM model”, Indian Journal of Engineering and Materials Sciences (IJEMS), CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), ISSN: 0971-4588 (print), ISSN: 0975-1017 (Online), Vol. 32, pp. 239-247, 2025. **IF: 0.9. DOI: 10.56042/ijems.v32i02.14879 [SCI Indexed]**
- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, “Reliable Detection of Blast Disease in Paddy Plant Using Optimized Artificial Neural Network”, Agronomy Journal, Wiley, Online ISSN:1435-0645, Print ISSN: 0002-1962, Vol. 116, Issue 3, pp. 1099-1111, 2024. **IF: 2.1. DOI: <https://doi.org/10.1002/agj2.21449>. [SCIE Indexed]**
- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, “Adaptive feature selection with deep learning MBI-LSTM model-based paddy plant leaf disease classification”, Multimedia Tools and Applications, Springer, Electronic ISSN: 1573-7721, Print ISSN: 1380-7501, Vol. 83, Issue 9, pp. 25543-25571, 2024. **IF: 3.6. DOI: <https://doi.org/10.1007/s11042-023-16475-7> [SCIE Indexed]**
- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, “An efficient adaptive feature selection with deep learning model-based paddy plant leaf disease classification”, Multimedia Tools and Applications, Springer, Electronic ISSN: 1573-7721, Print ISSN: 1380-7501, Vol. 83, Issue 8, pp. 22639-22661, 2024. **IF: 3.6. DOI: <https://doi.org/10.1007/s11042-023-16247-3> [SCIE Indexed]**
- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, “Efficient Prediction of Blast Disease in Paddy Plant using Optimized Support Vector Machine”, IETE Journal of Research, Taylor & Francis, Print ISSN: 0377-2063 Online ISSN: 0974-780X, Vol. 70, No. 4, pp. 3679-3689, 2024. **IF: 1.877. DOI: <https://doi.org/10.1080/03772063.2023.2195842> [SCIE Indexed]**
- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, “Deconstructive human face recognition using deep neural network”, Multimedia Tools and Applications, Springer, Electronic ISSN: 1573-7721, Print ISSN: 1380-7501, Vol. 82, Issue 22, pp. 34147–34162, 2023. **IF: 3.6. DOI: <https://doi.org/10.1007/s11042-023-15107-4> [SCIE Indexed]**

- Manish Kumar, S. K. Mishra, **Dilip Kumar Choubey**, Sunil Kumar Jangir, Dinesh Goyal, “Multichannel Heuristic Learning based Single Layer Neural Network Filter for Mixed Noise Suppression from Color Doppler Ultrasound Images”, *Journal of Real-Time Image Processing*, Springer, ISSN: 1861-8200 (Print), ISSN: 1861-8219 (Online), Vol. 18, Issue 4, pp. 1397-1408, 2021. **IF: 3.0. DOI: <https://doi.org/10.1007/s11554-020-01061-z> [SCIE Indexed]**
- Sunil Kumar Jangir, Nakul Joshi, Manish Kumar, **Dilip Kumar Choubey**, Shatakshi Singh, Madhusi Verma, “Functional Link Convolutional Neural Network for the Classification of Diabetes Mellitus”, *International Journal for Numerical Methods in Biomedical Engineering*, Wiley, ISSN: 2040-7947 (Online), Vol. 37, Issue 8, pp. 1-12, 2021. **IF: 2.648. DOI: <https://doi.org/10.1002/cnm.3496> [SCIE Indexed].**
- **Dilip Kumar Choubey**, Sanchita Paul, Smita Sandilya, Vinay Kumar Dhandhanian, “Implementation and Analysis of Classification algorithms for Diabetes”, *Current Medical Imaging*, Bentham Science, ISSN: 1573-4056 (Print), ISSN: 1875-6603 (Online), Vol. 16, Issue 4, pp. 340-354, 2020. **IF: 1.4. DOI: <http://dx.doi.org/10.2174/1573405614666180828115813>. [SCIE Indexed].**
- Manish Kumar, S. K. Mishra, Sumit Choubey, S. S. Tripathi, **Dilip Kumar Choubey**, Dinesh Dash, “Cat Swarm Optimization based Functional Link Multilayer Perceptron for Suppression of Gaussian and Impulse Noise from Computed Tomography Images”, *Current Medical Imaging*, Bentham Science, ISSN: 1573-4056 (Print), ISSN: 1875-6603 (Online), Vol. 16, Issue 4, pp. 329-339, 2020. **IF: 1.4. DOI: <http://dx.doi.org/10.2174/1573405614666180903115336>. [SCIE Indexed].**
- **Dilip Kumar Choubey**, Sanchita Paul, Vinay Kumar Dhandhanian, “Rule Based Diagnosis System for Diabetes”, *Biomedical Research*, Allied Academies, ISSN: 0970-938X (Print), ISSN: 0976-1683. (Electronic), Vol. 28, Issues 12, pp. 5196-5209, 2017. **IF: 0.30. <https://www.alliedacademies.org/articles/rule-based-diagnosis-system-for-diabetes.pdf>. [SCIE Indexed].**
- Deepali Sharma, **Dilip Kumar Choubey**, “Lung and Colon Cancer Detection using Transfer Learning Techniques”, *GMSARN International Journal*, ISSN:1905-9094, 2024. **[Accepted, Scopus Indexed].**
- Rishabh Hanselia, **Dilip Kumar Choubey**, Ashutosh Mishra, Ratnesh Kumar Dubey, Kanchan Bala, “Survival Prediction for Patients Undergoing HSCT Using Machine Learning Techniques” *GMSARN International Journal*, ISSN:1905-9094, Vol. 20, No. 2, pp. 186-195, 2026, **URL: <https://gmsarnjournal.com/home/wp-content/uploads/2025/11/vol20no2-4.pdf> [Scopus Indexed].**
- Kanchan Bala, **Dilip Kumar Choubey**, Shruti Gedam and Md Akmann, “Multi-deep learning models based analysis for classification of thunderstorms on meteorological dataset over Ranchi region”, *Engineering Research Express*, IOP Science, ISSN: 2631-8695, Vol. 7, No. 1, 2025. **DOI: <https://doi.org/10.1088/2631-8695/adaca4> [ESCI, Scopus Indexed].**
- **Dilip Kumar Choubey**, Arvind Choubey, Shalini Mahato, Vaibhav Soni, “Soft Computing Approaches for Ovarian Cancer: A Review”, *GMSARN International Journal*, ISSN:1905-9094, Vol. 18, No. 2, pp. 223-239, 2024, **URL: <https://gmsarnjournal.com/home/wp-content/uploads/2023/09/vol18no2-10.pdf>. [Scopus Indexed].**

- **Dilip Kumar Choubey**, Sudhakar Tripathi, Prabhat Kumar, Vaibhav Shukla, Vinay Kumar Dhandhanian, “Classification of Diabetes by Kernel based SVM with PSO”, Recent Advances in Computer Science and Communications, Bentham Science, ISSN: 2666-2558 (Print), ISSN: 2666-2566 (Online), Vol. 14, Issue 4, pp. 1242-1255, 2021. **DOI: <https://doi.org/10.2174/2213275912666190716094836>. [Scopus Indexed].**
- Vaibhav Shukla, Prabhat Kumar Patel, **Dilip Kumar Choubey**, Santosh Kumar, “Cascadability analysis of WDM recirculating loop buffer-based switch in optical data networks”, Journal of Optical Communications, De Gruyter, ISSN: 0173-4911, ISSN: 2191-6322 (Online), Vol. 44, Issue 1, pp. 945-953, 2020. **DOI: <https://doi.org/10.1515/joc-2020-0100>. [Scopus Indexed]**
- **Dilip Kumar Choubey**, Manish Kumar, Vaibhav Shukla, Sudhakar Tripathi, Vinay Kumar Dhandhanian, “Comparative Analysis of Classification Methods with PCA and LDA for Diabetes”, Current Diabetes Reviews, Bentham Science, ISSN: 1573-3998 (Print), ISSN: 1875-6417 (Online), Vol. 16, Issue 8, pp. 833-850, 2020. **DOI: <http://dx.doi.org/10.2174/1573399816666200123124008>. [ESCI, Scopus Indexed].**
- Vaibhav Shukla, Nikunj Sharma, **Dilip Kumar Choubey**, “Performance evaluation of a hybrid buffer based optical packet switch router”, Journal of Optical Communications, De Gruyter, ISSN: 0173-4911, ISSN: 2191-6322 (Online), Vol. 44, Issue 1, pp. 1791-1802, 2020. **DOI: <https://doi.org/10.1515/joc-2019-0230>. [Scopus Indexed].**
- **Dilip Kumar Choubey**, Prabhat Kumar, Sudhakar Tripathi, Santosh Kumar, “Performance Evaluation of Classification Methods with PCA and PSO for Diabetes”, Network Modeling Analysis in Health Informatics and Bioinformatics, Springer, ISSN: 2192-6662 (Print), ISSN: 2192-6670 (Online), Vol. 9, Issue 1, pp. 1-30, 2019. **DOI: <https://doi.org/10.1007/s13721-019-0210-8> [ESCI, Scopus Indexed].**
- **Dilip Kumar Choubey**, Sanchita Paul, “GA_RBF NN: A Classification System for Diabetes”, International Journal of Biomedical Engineering and Technology (IJBT), Inderscience, ISSN: 1752-6418 (Print), ISSN: 1752-6426. (Online), Vol. 23, No. 1, pp. 71-93, 2017. **DOI: <http://dx.doi.org/10.1504/IJBET.2017.082229>. [ESCI, Scopus Indexed].**
- **Dilip Kumar Choubey**, Sanchita Paul, “Classification techniques for diagnosis of diabetes: a review”, International Journal of Biomedical Engineering and Technology (IJBT), Inderscience, ISSN: 1752-6418 (Print), ISSN: 1752-6426. (Online), Vol. 21, No. 1, pp. 15-39, 2016. **DOI: <http://dx.doi.org/10.1504/IJBET.2016.076730>. [ESCI, Scopus Indexed].**
- **Dilip Kumar Choubey**, Sanchita Paul, “GA_MLP NN: A Hybrid Intelligent System for Diabetes Disease Diagnosis”, International Journal of Intelligent Systems and Applications (IJISA), MECS, ISSN: 2074-904X (Print), ISSN: 2074-9058 (Online), Vol. 8, No. 1, pp. 49-59, 2016. **DOI: <https://doi.org/10.5815/ijisa.2016.01.06>. [Scopus Indexed].**
- **Dilip Kumar Choubey**, Sanchita Paul, “GA_J48graft DT: A Hybrid Intelligent System for Diabetes Disease Diagnosis”, International Journal of Bio-Science and Bio-Technology (IJBSBT), SERSC, ISSN: 2233-7849, Vol. 7, No. 5, pp. 135–150, 2015. **DOI: <http://dx.doi.org/10.14257/ijbsbt.2015.7.5.13>. [Scopus Indexed].**
- **Dilip Kumar Choubey**, Sanchita Paul, Joy Bhattacharjee, “Soft Computing Approaches for Diabetes Disease Diagnosis: A Survey”, International Journal of Applied Engineering

Research (IJAER), RIP, ISSN: 0973-4562, Vol. 9, No. 21, pp. 11715-11726, 2014. URL: <https://www.ripublication.com/Volume/ijaerv9n21.htm>. [Scopus Indexed].

Referred Journals (06)

- Amit Bhandari, Mukesh Kumar Ojha, **Dilip Kumar Choubey**, Vaibhav Soni, “IoT Based System for accident detection, monitoring and landslide detection using GSM in Hilly Areas”, Special Issue in Research Reports on Computer Science, Universal Wiser Publisher, ISSN: 2811-0005 (Print), 2811-0013 (Online), Vol. 2, Issue 3, pp. 104-111, 2023. DOI: <https://doi.org/10.37256/rrcs.2320232631>
- Keshav Srivastava, **Dilip Kumar Choubey**, “Heart Disease Prediction using Machine Learning and Data Mining”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 (Online), Vol. 9, Issue 1, pp. 212-219, 2020. DOI: [10.35940/ijrte.F9199.059120](https://doi.org/10.35940/ijrte.F9199.059120).
- Mukesh Kumar Ojha, Priyesh Tiwari, **Dilip Kumar Choubey**, Dhiraj Gupta, “Detection of SSVEP Frequency component using Filter Bank Approach for EEG Based BCI System”, NeuroQuantology (An Interdisciplinary Journal of Neuroscience and Quantum Physics), AnKa, eISSN 1303-5150, Vol. 20, Issue 6, pp. 3533-3540, 2022. DOI: [10.14704/nq.2022.20.6.NQ22359](https://doi.org/10.14704/nq.2022.20.6.NQ22359).
- Ratnesh Kumar Dubey, Subha Mishra, **Dilip Kumar Choubey**, “Recognizing Spam Emails/SMS Using Naive Bayes and Support Vector Machines”, Complex Systems and Complexity Science Journal, ISSN: 1672-3813, Vol. 8, Issue 4, pp. 1-5, 2021. DOI: <https://app.box.com/s/wcgm5irt9gz1yxjbnvfbr9xdznbw8n62>.
- **Dilip Kumar Choubey**, Joy Bhattacharjee, Roopali Soni, “Loss Minimization of Web Databases by Fine Grain Approach”, International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622, Vol. 3, Issue 1, pp. 1437-1444, Jan-Feb 2013. URL: https://www.ijera.com/papers/Vol3_issue1/BN31437444.pdf.
- **Dilip Kumar Choubey**, Roopali Soni, Joy Bhattacharjee, “A Novel approach for Security of Web Databases”, International Journal of Computer Science and Technology (IJCST), ISSN: 0976-8491 (online) ISSN: 2229-4333(print), Vol. 3, Issue 4, pp. 110-113, Version Oct-Dec 2012. URL: <http://ijcst.com/vol34/1/dilip.pdf>.

Conferences Published/Production/Accepted (36)

- Anshuman Sinha, Gaurav Singh Rajput, Utkarsh Raj, **Dilip Kumar Choubey**, “Predictive Maintenance on C-MAPSS Using LSTM Variants and Attention”, Third International Conference on Data Science and Network Engineering (ICDSNE 2025), Lecture Notes in Networks and Systems, Springer during 25-26 July, 2025, organized by the Dept. of Computer Science and Engineering, National Institute of Technology Agartala, Barjala, Jirania, Tripura, India, Print ISBN 978-3-032-07734-9, Online ISBN 978-3-032-07735-6, Vol. 1668, pp. 45-55, 2025. DOI: https://doi.org/10.1007/978-3-032-07735-6_5 [Scopus Indexed].
- Deepali Sharma, **Dilip Kumar Choubey**, Kavish Thakur, “Lung and Colon Cancer Detection using Deep Learning Techniques” 3rd International conference on Machine Learning and Data Engineering (ICMLDE 2024), Procedia Computer Science Journal, Elsevier, Online ISSN: 1877-0509, during 28th-29th November, 2024 organized by the UPES, Dehradun, India In association with University of Dayton, Ohio & Providence

University, Taiwan. Vol. 258, pp. 4136-4146, 2025. **DOI: <https://doi.org/10.1016/j.procs.2025.04.664> [WoS, Scopus Indexed].**

- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, “Classification of Paddy Plant leaf diseases using optimized Support Vector Machine” 3rd International conference on Machine Learning and Data Engineering (ICMLDE 2024), Procedia Computer Science Journal, Elsevier, Online ISSN: 1877-0509, during 28th-29th November, 2024 organized by the UPES, Dehradun, India In association with University of Dayton, Ohio & Providence University, Taiwan, Vol. 258, pp. 1619-1628, 2025. **DOI: <https://doi.org/10.1016/j.procs.2025.04.393> [WoS, Scopus Indexed].**
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Publications and Social Networking Homepage

- Google scholar: (<https://scholar.google.co.in/citations?user=I2BzXaUAAAJ&hl=en>)
- Scopus Author ID: 56459851500 (<https://www.scopus.com/authid/detail.uri?authorId=56459851500>)
- Researcher ID: D-2497-2018 (<https://www.webofscience.com/wos/author/record/461693>)

- IRINS: (<https://iiitbh.irins.org/profile/215068>)
- ORCID ID: 0000-0002-1233-7159 (<http://orcid.org/0000-0002-1233-7159>)
- Microsoft Academic ID: 2908530108
- ResearchGate: (https://www.researchgate.net/profile/Dilip_Choubey3)
- dblp: (<https://dblp.org/pid/251/4641.html>)
- Semantic Scholar: (<https://www.semanticscholar.org/author/D.-K.-Choubey/32054561>)
32054561
- LinkedIn: (<https://www.linkedin.com/in/dr-dilip-kumar-choubey-52108079/>)
- Youtube: (<https://www.youtube.com/@dr.dilipkumarchoubey4070/featured>)
- Facebook: (<https://www.facebook.com/dilipkumar.choubey.79/>)
- Twitter: (<https://x.com/DrDKChoubey?s=08>)
- Instagram:
(<https://www.instagram.com/dr.dilipkumarchoubey?igsh=emZ1b2ZyN2RuZnpv>)

SPONSORED PROJECTS

Funded Research Project

1. Title: “IoT Based Precision Farming for Unstable Indian Environment”

Funded By: TEQIP Collaborative Research Scheme, NPIU (MHRD)

Role: Co-Principal Investigator

Duration: 18th June 2019-30th Sept 2020

Budget: RS 767000/- (Rupees Seven Lakh Sixty-Seven Thousand Only)

PATENT/ COPYRIGHT: FILED/PUBLISHED/GRANT (01 P + 02 C)

- **Patent Title:** AUTOMATIC AND RELIABLE DETECTION OF BLAST DISEASE IN PADDY PLANT USING OPTIMIZED SUPPORT VECTOR MACHINE, Application No.: 202331013579, Publication Date: 10/03/2023
Applicant Name: Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, Arvind Choubey.
[Status: Published]
- **Copyright Title:** DETECTION OF BLAST DISEASE IN PADDY PLANT USING HYBRID ARTIFICIAL NEURAL NETWORK, Application No.: L-135109/2023, Publication Date: 27/10/2023.
Applicant Name: Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, Arvind Choubey.
[Status: Grant]
- **Copyright Title:** IMPROVING ROBUSTNESS OF LOGISTIC REGRESSION UNDER LABEL NOISE, Registration No. L-104501/2021, Publication Date: 15/6/2021.
Applicant Name: Ratnesh Kumar Dubey, Shubha Mishra, **Dilip Kumar Choubey**.
[Status: Grant]

CONDUCTED FDP/WORKSHOP'S/SEMINAR'S/CONFERENCE'S/STC (07)

- Conducted one-week Short Term Course (STC) in hybrid mode as a **Coordinator** on title “**Machine Learning in Healthcare and Agriculture**” during 09th May – 13th May, 2024 at Indian Institute of Information Technology Bhagalpur. (https://www.youtube.com/watch?v=1OXnB2HFZWg&list=PL40sJe3_uRkCTxOmCoXCmIZR5WhodKZgb&pp=iAQB)
- Conducted one-week Short Term Course (STC) as a **Coordinator** on title “**AI & IoT in Biomedical Engineering**” during 02nd May – 06th May, 2023 at Indian Institute of Information Technology Bhagalpur. (https://www.youtube.com/watch?v=DSWtNyCVwWQ&list=PL40sJe3_uRkAic5qLWVrhuPDEDvubfgCb&pp=iAQB)
- Conducted Two-Weeks FDP as a **Coordinator** in AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on “**Artificial Intelligence and Machine Learning in Healthcare and Agriculture**” from 12-12-2022 to 23-12-2022 at Indian Institute of Information Technology Bhagalpur, Bihar, India. (https://www.youtube.com/watch?v=hKHnw_a_iqw&list=PL40sJe3_uRkCd9ykBuDFLoeXtOdJXaMc&pp=iAQB)
- Conducted one-week Short Term Course (STC) as a **Coordinator** on title “**Artificial Intelligence and Data Science in Healthcare**” during 03rd May – 07th May, 2022 at Indian Institute of Information Technology Bhagalpur. (https://www.youtube.com/watch?v=LnjVWVemFPQ&list=PL40sJe3_uRkBsDNifHv2QjbYlXggxEWwL&pp=iAQB)
- Conducted one-week Faculty Development Program (FDP) as a **Coordinator** on title “**Communication Networks and Machine Learning**”, from 18th January – 22nd January, 2021 at Indian Institute of Information Technology Bhagalpur.
- Conducted one-week Faculty Development Program (FDP) as a **Coordinator** in associations with Electronics and ICT Academy, National Institute of Technology Patna on title “**Machine Learning and Deep Learning Techniques with its Applications**”, from 10-12-2019 to 14-12-2019 at Vellore Institute of Technology, Vellore.
- Conducted Half Day Faculty Development Program (FDP) as a **Coordinator** in associations with Academic Staff College (ASC) on title “**Reinforcement Learning (Introduction, Q-Learning, and SARSA algorithm) and hands on session**”, held on 09-12-2019 from 10.00 AM to 13.00 PM at Vellore Institute of Technology, Vellore.

INVITED/EXPERT TALK IN FDP/WORKSHOP/SEMINAR/CONFERENCE/STC (18)

- Delivered a lecture in ICAR Sponsored CAFT Training Programme on “**Agriculture 5.0: Embracing AI & ICT for Next-Generation Agriculture**”, during 28/01/2025 to 17/02/2025 organized by the Bihar Agriculture University, Sabour, Bhagalpur, Bihar, India
- Delivered a talk in online mode at ITM University, Gwalior, M.P. India in one Week FDP title “**Machine Learning Techniques for Deep Fake Detection**” in associations with E&ICT Academy, Indian Institute of Technology Roorkee (IIT Roorkee), Uttarakhand, India during 19-11-2024 to 23-11-2024.
- Delivered an expert lecture on 11th May, 2024 in a one-week Short-Term Course on “**Machine Learning in Healthcare and Agriculture**” (Hybrid Mode) during 09th - 13th

May, 2024 organized by Department of Computer Science & Engineering, Indian Institute of Information Technology Bhagalpur, Bihar.

- Contributed as Resource person in online mode at VIT Chennai, Tamil Nadu in one week FDP title “**Internet of Things with Machine Learning and Artificial Intelligence: A Hands-on Session**” during 5th Feb 2024 to 9th Feb 2024.
- Delivered a talk in online mode at GITAM (Deemed to be University) Vishakhapatnam, A.P in one Week FDP title “**AI & Machine Learning for Computer Vision Applications**” in associations with E&ICT Academy, Indian Institute of Technology Roorkee (IIT Roorkee), Uttarakhand, India during 18-12-2023 to 22-12-2023.
- Delivered an expert lecture on 06th May, 2023 in a one week Online Short-Term Course on “**AI & IoT in Biomedical Engineering**” during 02nd -06th May, 2023 organized by Department of Computer Science & Engineering, Indian Institute of Information Technology Bhagalpur, Bihar.
- Contributed as Resource person in AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on “**Artificial Intelligence and Machine Learning in Healthcare and Agriculture**” from 12-12-2022 to 23-12-2022 at Indian Institute of Information Technology Bhagalpur, Bihar, India.
- Delivered an expert lecture on 07th May, 2022 in a one week Online Short-Term Course on “**Artificial Intelligence and Data Science in Healthcare**” during 03rd -07th May, 2022 organized by Department of Computer Science & Engineering, Indian Institute of Information Technology Bhagalpur, Bihar.
- Delivered an expert session as a guest speaker on “**Supervised Learning Classification**” under SAGE Talk Series on 18th January, 2022 at SAGE.
- Delivered an expert talk in **Webinar** on “**Classification for Medical Diseases**” at 24th December, 2021 organized by Department of MCA, BIST Bhopal.
- Contributed as Resource Person in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “**Role of IOT in Cyber Security**” from 29/11/2021 to 03/12/2021 at Lakshmi Narain College of Technology, Bhopal.
- Contributed as Resource Person in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “**Recent Trends in Artificial Intelligence**” from 29/11/2021 to 03/12/2021 at Lakshmi Narain College of Technology, Bhopal.
- Invited Speaker and delivered a speech on “**Classification for Medical Diseases**” in the online National FDP, “**Latest Trends in Computer Science Education & Research (LTCSER – 2021)**” organized by the Department of Computer Science & IT, Amity Institute of Information Technology, Amity University Jharkhand, Ranchi, from 26th to 30th July 2021.
- Contributed as a resource person in in One Week Online AICTE-ISTE Sponsored Induction/Refresher Programme on “**The Impact of Faculty Development on Teaching Skills and Research Scholars for Technical Perspectives (Phase II)**” during 23rd to 31st March 2021 at Sri Satya Sai University of Technology & Medical Science, Sehore, Bhopal (M.P.)
- Contributed as a resource person in One Week Virtual FDP title “**Communication Networks and Machine Learning**”, during 18th January – 22nd January, 2021 at Indian Institute of Information Technology Bhagalpur, Bihar.

- Delivered a talk (Hands on Sessions) on “**Machine Learning by using WEKA**” at Vellore Institute of Technology, Vellore in one Week FDP title “**Machine Learning and Deep Learning Techniques with its Applications**” associations with E&ICT Academy, National Institute of Technology, Patna during 10-12-2019 to 14-12-2019.
- Delivered a talk (Hands on Sessions) on “**Building a Collaborative Recommendation**” at Vellore Institute of Technology, Vellore in one Week FDP title “**Machine Learning and Deep Learning Techniques with its Applications**” associations with E&ICT Academy, National Institute of Technology, Patna during 10-12-2019 to 14-12-2019.
- Delivered a talk on “**Cloud Computing**” in National Conference on “**Emerging Trends in Information Technology**” held on 17th August 2013, organized by the Department of Information Technology, Lakshmi Narain College of Technology, Bhopal.

SPECIAL SESSION ORGANIZED/HOST/CHAIR IN CONFERENCES (13)

- MIND 2025, IICTDS 2025, ICIIP 2025, ICMLDE 2025, ICMLDE 2024, ICISC 2024, CICBA 2024, ICDT 2023, AISC 2023, MIND 2022, CSCT 2022, MISP 2022, ISMS 2021

REVIEWED IN JOURNALS/CONFERENCES/BOOK/BOOK CHAPTERS

- Reviewed many articles in reputed Journals of Publisher IEEE, Elsevier, Springer, Wiley, Bentham Science, Taylor Francis, De Gruyter, Inderscience.
- Reviewer in Conferences of IICTDS 2025, MIND 2025, ICIIP 2025, ICCTE 2025, DICCT 2024, CICBA 2024, ICCTE 2023, CRM 2023, ICDT – 2023, DICCT 2023, WCAIAA 2023, MIND 2022, ICIoTCT 2022, SocPros 2022, ICDSAI 2022, MISP 2022, SoCTA 2020, FRSM 2020.
- Reviewed Book title “Fundamentals of Database Management Systems, 3rd Edition, Wiley by Mark L. Gillenson.
- Reviewed Chapters in Edited Book, “CCAB 2022”, “Industrial Internet of Things: Technologies and Research Directions”, “Encyclopedia of Organizational Knowledge, Administration, and Technology”, “Machine Learning and Deep Learning in Real – Time Applications”, “Handbook of Research on Advancements of Artificial Intelligence in Healthcare Engineering”.

COMPLETED/ ATTENDED CERTIFICATION’S IN FDP/ WORKSHOP’S/STC

- Successfully Completed AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on “Artificial Intelligence and Machine Learning in Healthcare and Agriculture” from 12-12-2022 to 23-12-2022 at Indian Institute of Information Technology Bhagalpur, Bihar, India.
- Successfully Completed a course of 7 Weeks on title “Machine Learning: Classification”, Coursera by a MOOC from the University of Washington on July 2, 2020.
- Attended Faculty Orientation Program (FOP) conducted by Academic Staff College of Vellore Institute of Technology, Vellore, India, during 13 May 2019 – 31 May 2019.
- Attended Two Weeks Course on Introduction to Data Structures and Programming in C jointly organized by the E&ICT Academies, National Institute of Technology Patna from 1st July-10th July, 2017.

- Attended in a three-day International Workshop on Pattern Analysis and Applications organized by Computer Vision and Pattern Recognition Unit, Indian Statistical Institute, 18-20 January, 2017 at Indian Statistical Institute, Kolkata.
- Attended in a one-week National Workshop on Wireless Network Simulation Using NS2/NS3 (WNS 2016) Organized by Department of Computer Science Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand Sponsored by TEQIP II during October 13-18, 2016.
- Attended in a one-week National Workshop on Evolutionary Optimization for Engineering and Scientific Applications (EOESA 2016) Organized by Department of Computer Science Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand Sponsored by TEQIP II during October 03-07, 2016.
- Attended in a one-week National Workshop on Intelligent Computational Technique Applications Organized by Department of Electrical & Electronics Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand & Sponsored by Jharkhand Council of Science & Technology, Ranchi during November 23-27, 2015.
- Attended in a one-week course on Fundamentals of Soft Computing and Its Applications organized by the Indian School of Mines, Dhanbad during 09-09-2015 to 13-09-2015.
- Attended TEQIP II Sponsored one-week Faculty Development Programme on Optimization Techniques using Nature Inspired Algorithms for Engineering Applications (19-23 Jan. 2015) Organized by Department of Computer Engineering Rajasthan Technical University, Kota, Rajasthan.
- Attended in a Workshop on Soft Computing and Applications (SCA'14) jointly organized by the Centre for Soft Computing Research (CSCR), ISI, Kolkata and JSS Academy of Technical Education, Noida during September 02-04, 2014.
- Attended “International Conference on Cloud, Big Data and Trust” (ICCBTD-2013) supported by TEQIP-II, November 13-15, 2013 at Rajiv Gandhi Pradyogiki Vishwavidyalaya (State Technological University of MP) Bhopal, India.
- Attended in a Two Week ISTE Workshop on Database Management Systems Conducted by Indian Institute of Technology Bombay from 21-31 May, 2013.

MEMBERSHIP OF PROFESSIONAL BODIES

- Institute of Electrical and Electronics Engineers (IEEE) Senior Member since 02-10-2024 (IEEE Member Since 2021), Membership Number is: 98022544.
- IEEE Young Professionals Senior Member, Membership Number is: 98022544 since 13-10-2023.
- IEEE Computer Society Senior Member, Membership Number is: 98022544 since 02-01-2026.
- The Institution of Electronics and Telecommunication Engineers (IETE) New Delhi, Fellow (Life Time), Membership Number: F-504062 since 29-09-2023.
- Association for Computing Machinery (ACM) Professional Member since October 2025, Membership ID: 4559482.
- Computer Society of India (CSI), Member (Life Time), Member ID: 2042240002 since 18-10-2024.

CURRENT ADMINISTRATIVE/INSTITUTE LEVEL RESPONSIBILITY

- Faculty In-Charge of “Computer Centre” from 19-07-2022 till date.

CURRENT DEPARTMENTAL RESPONSIBILITY

- Faculty Advisor for undergraduate students (2024-2028) batch of Computer Science & Engineering Department from 19-07-2024 till date.
- Faculty In-Charge of “Computer Systems” Lab from 08-03-2021 till date.

PAST ADMINISTRATIVE/INSTITUTE LEVEL RESPONSIBILITY

- Boys Hostel Warden 02 from 01-09-2022 to 31-12-2023.

PAST DEPARTMENTAL RESPONSIBILITY

- Faculty adviser for PG (M. Tech) of Computer Science & Engineering Department from 24-08-2021 to 12-07-2024.
- Faculty Advisor for undergraduate students (2020-2024) batch of Computer Science & Engineering Department from 10-12-2020 to 12-07-2024
- M.Tech (Computer Science and Engineering – Specialization in AI & ML), Year Coordinator at Vellore Institute of Technology, Vellore, Tamil Nadu.

PERSONAL DOSSIER

Date of Birth: 26-01-1988.

Father’s Name: MR. P. N. Choubey.

Hobbies / Area of Interest: Reading Broadly, Listening Music, Gardening, etc.

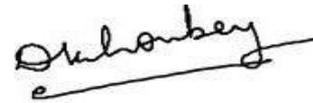
Permanent Address: Plot No. 1078, New colony, Rehla, Bisrampur, Palamu, Pin Code - 822124, Jharkhand

DECLARATIONS

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date: 21-01-2026

Place : Bhagalpur



(Dr. DILIP KUMAR CHOUBEY)