CURRICULAM VITAE

Dr. Dilip Kumar Choubey
Assistant Professor,
Department of Computer Science & Engineering,
Indian Institute of Information Technology Bhagalpur,
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EDUCATIONAL DEGREES

Ph.D. (August 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 suffered from some other diseases people or 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. (March 2013)
Department of Computer Science and Engineering, Oriental College of Technology, Bhopal, Madhya Pradesh, India
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%)

B.E. (May 2010)
Department of Information Technology, Bansal Institute of Science and Technology, Bhopal, Madhya Pradesh, India
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
- Bioinformatics
- Data Mining
- Database Management Systems
- IoT

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

TEACHING AND RESEARCH EXPERIENCE
Current Position:
- Assistant Professor Grade II, Level 10, PB-3, AGP RS RS6000/-, Department of Computer Science & Engineering, Indian Institute of Information Technology Bhagalpur, Bihar, India since 9th November 2020.

Teaching Experiences:
- 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: 03 Pursuing

S. No.	Title of Ph.D. Thesis	Name of the Scholar	Name of Guide	Pursuing/ Submitted/ Awarded	University/ Institute	Role	Year of Award
1	Data Science and AI (Tentative)	Rajesh Kumar Singh	Dr. Dilip Kumar Choubey	Pursuing Since 16-08-2022	IIIT Bhagalpur	Solely	………
2	Data Science (Tentative)	Nilotpal Pathak (2103002)	Dr. Dilip Kumar Choubey	Pursuing Since 23-08-2021	IIIT Bhagalpur	Solely	………
3	Machine Learning (Tentative)	Ratnesh Kumar Dubey (2103001)	Dr. Dilip Kumar Choubey	Pursuing Since 23-08-2021	IIIT Bhagalpur	Solely	………

M.Tech Guidance: 03 Nos. Completed, 03 Nos. Pursuing.

S. No.	Session	Title of Thesis	Name of Students with Registration Number	University/Institute	Role	Year of Award
1	Autumn - 2022-2023.	OTT Recommendation System (Tentative)	Satyam Mallik (2102019)	Indian Institute of Information Technology Bhagalpur, Bihar	Internal Supervisor	2023
2	Autumn - 2022-2023.	Prediction of Survival of Children Undergoing Bone Marrow Transplant (Tentative)	Rishabh Hanselia (2102020)	Indian Institute of Information Technology Bhagalpur, Bihar	Solely	2023
3	Autumn - 2022-2023.	Machine Learning (Tentative)	Anish Anand (2102002)	Indian Institute of Information Technology Bhagalpur, Bihar	Internal Supervisor	2023
4	Fall-2019-2020.	Heart Disease Prediction using Effective Machine Learning and Data Mining Techniques	Keshav Srivastava (18MCS0091)	Vellore Institute of Technology, Vellore, Tamil Nadu	Solely	2020
5	Fall-2019-2020.	Implementation and Analysis of Machine Learning Techniques for	Sushmit Pahari (18MCS0094)	Vellore Institute of Technology, Vellore, Tamil Nadu	Solely	2020

		Classification of Liver Disorder				
6	Fall-2019-2020.	Breast Cancer Prediction using Machine Learning	Ramik Rawal (18MCS0037)	Vellore Institute of Technology, Vellore, Tamil Nadu	Solely	2020

MCA/M.Sc.: 01 Nos.
B.Tech/B.E. Guidance: 13 Nos.

LIST OF PUBLICATIONS

Journals		Conferences		Books		Book Chapters	
International	**National**	**International**	**National**	**International**	**National**	**International**	**National**
23	**00**	**32**	**00**	**02**	**00**	**12**	**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**
19	04	29	03	01	01	06	06
Total No. of Citations with h index and i10- index							
Google Scholar			**Scopus**			**WoS, Publons (Researcher)**	
675			**423**			**121**	
h-index		**i10- index**	**h-index**		**i10-index**	**h-index**	**i-index**
15		18	11		NA	6	NA

International Journals (23)
SCI/SCIE (07)

- Ratnesh Kumar Dubey, **Dilip Kumar Choubey**, "Automatic and Reliable Detection 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. **IF: 1.877. DOI: https://doi.org/10.1080/03772063.2023.2195842 [Accepted, 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. **IF: 2.577. 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: 2.293. DOI: https://doi.org/10.1007/s11554-020-01061-z [SCIE Indexed]**

- Sunil Kumar Jangir, Nakul Joshi, Manish Kumar, **Dilip Kumar Choubey,** Shatakshi Singh, Madhushi 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 Dhandhania, "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: 1.315. DOI: 10.2174/15734056146661 80828115813. [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 Reviews, Bentham Science, ISSN: 1573-4056 (Print), ISSN: 1875-6603 (Online), Vol. 16, Issue 4, pp. 329-339, 2020. **IF: 1.315. DOI: 10.2174/1573405614666180903115336. [SCIE Indexed].**
- **Dilip Kumar Choubey,** Sanchita Paul, Vinay Kumar Dhandhania, "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. http://www.alliedacademies.org/articles/rule-based-diagnosis-system-for-diabetes.pdf. [SCIE Indexed].**

Scopus/ESCI (12)
- **Dilip Kumar Choubey**, Arvind Choubey, Shalini Mahto, Vaibhav Soni, "Soft Computing Approaches for Ovarian Cancer: A Review", GMSARN International Journal, ISSN:1905-9094. **[Accepted, 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). **DOI: https://doi.org/10.1515/joc-2020-0100. [Scopus Indexed]**
- **Dilip Kumar Choubey,** Sudhakar Tripathi, Prabhat Kumar, Vaibhav Shukla, Vinay Kumar Dhandhania, "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: 10.2174/2213275912666190716094836. [Scopus Indexed].**
- **Dilip Kumar Choubey,** Manish Kumar, Vaibhav Shukla, Sudhakar Tripathi, Vinay Kumar Dhandhania, "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: 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. 1-12, 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, Article 5, 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 (IJBET), 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 (IJBET), 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: 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: 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. **[Scopus Indexed].**

- 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. [Scopus Indexed]**

Other Referred Journals (04)

- 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. [Scopus Indexed].**

- 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. **https://pdfs.semanticscholar.org/9751/6dceabb4ae5b8dd3ffc52d15eabfe7e54fb0.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. **http://ijcst.com/vol34/1/dilip.pdf.**

International Conferences (32)

- **Dilip Kumar Choubey,** Robin Newton, Mukesh Kumar Ojha, Santosh Kumar, "A Comparative Study for Prediction of Hematopoietic Stem Cell Transplantation Related Mortality", 6th International Conference on Innovative Computing and Communication (ICICC 2023), Proceedings in Lecture Notes in Networks and Systems (LNNS), Springer, during February 17-18th 2023, organized by Organised by Shaheed Sukhdev College Of Business Studies, University Of Delhi, New Delhi In Association With National Institute of Technology, Patna & University Of Valladolid Spain. **[Accepted, Scopus Indexed].**

- Rishabh Hanselia, **Dilip Kumar Choubey,** "A Comparative Study for Prediction of Hematopoietic Stem Cell Transplantation Related Mortality", 6th International Conference on Innovative Computing and Communication (ICICC 2023), Proceedings in Lecture Notes in Networks and Systems (LNNS), Springer, during February 17-18th 2023, organized by Organised by Shaheed Sukhdev College Of Business Studies, University Of Delhi, New Delhi In Association With National Institute of Technology, Patna & University Of Valladolid Spain. **[Accepted, Scopus Indexed].**

- Mukesh Kumar Ojha, **Dilip Kumar Choubey,** Rishabh Hanselia, Santosh Kumar, "IoT Based Healthcare Panic Alarm", 4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences MIND-2022 (Hybrid/Virtual mode), Proceedings in Communications in Computer and Information Science (CCIS) Series, Springer during December 21st - 22nd, 2022 organized by Department of Computer Science and Engineering Maulana Azad National Institute of Technology Bhopal, India. **[Accepted, Scopus Indexed].**

- 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", 4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences MIND-2022 (Hybrid/Virtual mode), Proceedings in Communications in Computer and Information Science (CCIS) Series, Springer during December 21st - 22nd, 2022 organized by Department of Computer Science and Engineering Maulana Azad National Institute of Technology Bhopal, India. **[Accepted, Scopus Indexed].**

- **Dilip Kumar Choubey,** Sandeep Raj, Arju Aman, Rajat Deoli, Rishabh Hanselia, "Detection of Malaria by using a CNN Model", 4th International Conference Machine Intelligence Signal Processing (MISP 2022), Lecture Notes in Electrical Engineering, Springer, during March 12-14, 2022 in Virtual Mode held at National Institute of Technology Raipur, India. **[Accepted, Scopus Indexed].**

- Santosh Kumar, Bharat Bhushan, Lekha Bhambhu, Mamta, Usha Manasi Mohapatra, **Dilip Kumar Choubey,** "Medical Datasets Classification using a Hybrid Genetic Algorithm for Feature Selection based on Pearson Correlation Coefficient", International Conference on Machine Learning, Computer Systems and Security (MLCSS), Bhubaneswar, India, IEEE Xplore, IEEE, during 05-08-2022 to 06-08-2022 held at Institute of Technical Education & Research, Siksha 'O' Anushandhan (Deemed to be University), Bhubaneswar, Odisha, India, 2022, Electronic ISBN:978-1-6654-5493-3, Print on Demand (PoD) ISBN: 978-1-6654-5494-0, pp. 214-218, **DOI: 10.1109/MLCSS57186.2022.00047. [Scopus Indexed].**

- Venkata Manish Reddy G., Iswarya, Jitendra Kumar, **Dilip Kumar Choubey,** "Time Series Analysis of National Stock Exchange: AMultivariate Data Science Approach", 11th International Conference on Soft Computing for Problem Solving - SocProS 2022, Lecture Notes in Network Systems, during May 14 - 15, 2022 (virtual mode) organized by Indian Institute of Technology, Mandi, Himachal Pradesh, India. Print ISBN: 978-981-19-6524-1, Online ISBN: 978-981-19-6525-8, Vol. 547, pp. 691-707, 2023. **DOI: https://doi.org/10.1007/978-981-19-6525-8_53 [Scopus Indexed].**
- Vaibhav Soni, Himanshu Yadav, Vijay Bhaskar Semwal, **Dilip Kumar Choubey,** Dheeresh Kumar Mallick, "An Enhanced Deep Learning Approach for Smartphone based Human Activity Recognition in IoHT", 3rd International Conference on Machine Learning, Image Processing, Network Security and Data Science (MIND 2021), Lecture Notes in Electrical Engineering (LNEE), Springer during 11th – 12th December, 2021 organized by Department of Information Technology, National Institute of Technology Raipur, India. Print ISBN: 978-981-19-5867-0, Online ISBN: 978-981-19-5868-7, Vol. 946, pp. 505-516, 2023. **DOI: https://doi.org/10.1007/978-981-19-5868-7_37. [Scopus Indexed].**
- Vaibhav Soni, Himanshu Yadav, Vijay Bhaskar Semwal, **Dilip Kumar Choubey,** Dheeresh Kumar Mallick, "A Novel Smartphone-Based Human Activity Recognition using Deep Learning in Healthcare", 3rd International Conference on Machine Learning, Image Processing, Network Security and Data Science (MIND 2021), Lecture Notes in Electrical Engineering (LNEE), Springer during 11th – 12th December, 2021 organized by Department of Information Technology, National Institute of Technology Raipur, India. Print ISBN: 978-981-19-5867-0, Online ISBN: 978-981-19-5868-7, Vol. 946, pp. 493-503-380, 2023. **DOI: https://doi.org/10.1007/978-981-19-5868-7_36. [Scopus Indexed].**
- Ratnesh Kumar Dubey, **Dilip Kumar Choubey,** "Deconstructive Human Confront Acknowledgment Utilizing Profound Neural Arrange", 4th International Conference on Information Systems and Management Science (ISMS 2021), Jointly organized by the Department of Computer Science and Engineering, National Institute of Technology Raipur, India & Faculty of ICT, University of Malta, Malta during December 14-15, 2021 (In Virtual Mode), Lecture Notes in Networks and Systems (LNNS Series), Print ISBN: 978-3-031-13149-3, Online ISBN: 978-3-031-13150-9, Vol. 521, pp. 365-380, 2023. **DOI: https://doi.org/10.1007/978-3-031-13150-9_30. [Scopus Indexed].**
- Venkata Manish G., Simran, Jitendra Kumar, **Dilip Kumar Choubey,** "Identification of Hotspot of Rape Cases in NCT of Delhi: A Data Science Perspective", 4th International Conference on Information Systems and Management Science (ISMS 2021), Jointly organized by the Department of Computer Science and Engineering, National Institute of Technology Raipur, India & Faculty of ICT, University of Malta, Malta during December 14-15, 2021 (In Virtual Mode), Lecture Notes in Networks and Systems (LNNS Series), Print ISBN: 978-3-031-13149-3, Online ISBN: 978-3-031-13150-9, Vol. 521, pp. 485-496, 2023. **DOI: https://doi.org/10.1007/978-3-031-13150-9_39. [Scopus Indexed].**
- Santosh Kumar, Bharat Bhushan, Lekha Bhambhu, Debabrata Singh, **Dilip Kumar Choubey,** "A Deep Learning based Model for Arrhythmia Detection using Feature selection and Machine Learning Methods", Proceedings of the 6th International Conference Conference on Advance Computing and Intelligent Engineering (ICACIE

2021), Lecture Notes in Networks and Systems, Springer held at Bhubaneswar Institute of Technology, Infovalley, Harapur, Bhubaneswar, India during 23-24 December, 2021, Print ISBN: 978-981-19-2224-4, Online ISBN: 978-981-19-2225-1, Vol. 428, pp. 13-22, 2023. **DOI: https://doi.org/10.1007/978-981-19-2225-1_2. [Scopus Indexed].**

- Disha Agarwal, Rajat Agarwal, **Dilip Kumar Choubey,** Vaibhav Shukla, "Design and Implementation of IoT Based Medicine Dispensary Box", 1st International Science Exhibition Congress Symposium (SECS – 2020), during 12-13 September, 2020 at ARTTC, BSNL near Jumar River Bridge, Hazaribag Road, Ranchi, Jharkhand, India, Microelectronics, Communication Systems, Machine Learning and Internet of Things, Lecture Notes in Electrical Engineering, Springer, Print ISBN: 978-981-19-1905-3, Online ISBN: 978-981-19-1906-0, Vol. 887, pp. 339-351, 2023. **DOI: 10.1007/978-981-19-1906-0_31 [Scopus Indexed].**

- Ratnesh Kumar Dubey, **Dilip Kumar Choubey,** "Improving Robustness of Logistic Regression Under Label Noise", International Conference on Technology, Research and Innovation for BEtterment of Society (TRIBES - 2021), IEEE Xplore during December, 17th – 19th, 2021 at International Institute of Information Technology – Naya Raipur (IIIT – Naya Raipur), Raipur, Chhatisgarh, India, ISBN:978-1-6654-3342-6 (Electronic), ISBN:978-1-6654-3343-3(Print), pp. 1-6, 2022. **DOI: 10.1109/TRIBES52498.2021.9751628. [Scopus Indexed].**

- **Dilip Kumar Choubey,** Ashish Gupta, Somaraju Suvvari, Nilotpal Pathak, "IoT driven Precison Cultivation for Diverse Indian Climate Conditions", 6th International Conference on Soft Computing: Theories and Applications (SoCTA 2021), Lecture Notes in Networks and Systems (LNNS), Springer, during 17th – 19th December 2021 at Indian Institute of Information Technology Kota, Rajasthan, India, Print ISBN: 978-981-19-0706-7, Online ISBN: 978-981-19-0707-4, Vol. 425, pp. 275-282, 2022. **DOI: https://doi.org/10.1007/978-981-19-0707-4_26. [Scopus Indexed].**

- **Dilip Kumar Choubey,** Adweat Mishra, Sambeet Kumar Pradhan, Naman Anand, "Soft Computing Techniques for Dengue Prediction", eCF Paper Id: 313827, 10th International Conference on Communication Systems and Network Technologies (CSNT 2021), IEEE Xplore during 18th – 19th June, 2021 at Oriental Institute of Science and Technology, Bhopal, M.P., India. ISBN: 978-1-6654-2306-9 (Electronic), ISBN: 978-1-6654-4624-2 (Print), pp. 648-653, 2021. **DOI: https://doi.org/10.1109/CSNT51715.2021.9509706. [Scopus Indexed].**

- Sushmit Pahari, **Dilip Kumar Choubey,** "Analysis of Liver Disorder by Machine Learning Techniques" Springer Proceedings AISC Series, 5th International Conference on Soft Computing: Theories and Applications (SoCTA 2020), Advances in Intelligent Systems and Computing (AISC), Springer, during 25-27 December 2020, Virtual Mode Dedicated to COVID – 19 Warriors. ISBN: 978-981-16-1740-9 (Online), ISBN: 978-981-16-1739-3 (Print), Vol. 1380, pp. 587-601, 2021. **DOI: https://doi.org/10.1007/978-981-16-1740-9_48. [Scopus Indexed].**

- Udbhav Bhatia, Tshering, Jitendra Kumar, **Dilip Kumar Choubey,** "Drowsiness Image Detection using Computer Vision", Springer Proceedings AISC Series, 5th International Conference on Soft Computing: Theories and Applications (SoCTA 2020), Advances in Intelligent Systems and Computing (AISC), Springer, during 25-27 December 2020,

Virtual Mode Dedicated to COVID – 19 Warriors. ISBN: 978-981-16-1740-9 (Online), ISBN: 978-981-16-1739-3 (Print), Vol. 1380, pp. 667-683, 2021. **DOI: https://doi.org/10.1007/978-981-16-1740-9_55. [Scopus Indexed].**

- Keshav Srivastava, **Dilip Kumar Choubey,** "Soft Computing, Data Mining, and Machine Learning approaches in Detection of Heart Disease: A Review", 19th International Conference on Hybrid Intelligent Systems, Advances in Intelligent Systems and Computing (AISC), Springer, VIT Bhopal University, India during 10-12 December, 2019, ISBN: 978-3-030-49335-6 (Print), ISBN: 978-3-030-49336-3 (Online), Vol. 1179, pp. 165-175, 2021. **DOI: https://doi.org/10.1007/978-3-030-49336-3_17. [Scopus Indexed].**

- Divyue Sharma, Parva Jain, **Dilip Kumar Choubey,** "A Comparative Study of Computational Intelligence for Identification of Breast Cancer", 2nd International Conference on Machine Learning, Image Processing, Network Security and Data Science (MIND-2020), during 23-24 April 2020 at National Institute of Technology, Silchar, India, Communications in Computer and Information Science (CCIS), ISBN: 978-981-15-6364-0, Vol. 1240, pp. 209-216, 2020. **DOI: https://doi.org/10.1007/978-981-15-6315-7_17. [Scopus Indexed].**

- Advika Parthvi, Kartik Rawal, **Dilip Kumar Choubey,** "A Comparative Study using Machine Learning and Data Mining Approach for Leukemia", 9th International Conference on Communication and Signal Processing, during 9-11 April, 2020 at Adhiparasakthi Engineering College, Melmaruvathur, Kanchipuram, Tamil Nadu, India. ISBN: 978-1-7281-4988-2 (Electronic), ISBN: 978-1-7281-4989-9 (Print), pp. 0672-0677, 2020. **DOI:10.1109/ICCSP48568.2020.9182142. [Scopus Indexed].**

- Santosh Kumar, Bharat Bhushan, Debabrata Singh, **Dilip Kumar Choubey,** "Classification of Diabetes using Deep Learning", 9th International Conference on Communication and Signal Processing, during 9-11 April, 2020 at Adhiparasakthi Engineering College, Melmaruvathur, Kanchipuram, Tamil Nadu, India. ISBN: 978-1-7281-4988-2 (Electronic), ISBN: 978-1-7281-4989-9 (Print), pp. 0651-0655, 2020. **DOI: 10.1109/ICCSP48568.2020.9182293. [Scopus Indexed].**

- Sushmit Pahari, **Dilip Kumar Choubey,** "Analysis of Liver Disorder using Classification Techniques: A Survey", International Conference on Emerging Trends in Information Technology and Engineering, IEEE Xplorer Digital Library, during 24-25 February, 2020 at Vellore Institute of Technology, Vellore, India. ISBN: 978-1-7281-4142-8 (Electronic), ISBN:978-1-7281-4143-5 (Print), pp. 1-4, 2020. **DOI: https://doi.org/10.1109/ic-ETITE47903.2020.300. [Scopus Indexed].**

- **Dilip Kumar Choubey,** Ashwini Kumar, Kesav Srivastava, Sushmit Pahari, "Notification and Image Analysis in Cloud", International Conference on Emerging Trends in Information Technology and Engineering, IEEE Xplorer Digital Library, during 24-25 February, 2020 at Vellore Institute of Technology, Vellore, India. ISBN: 978-1-7281-4142-8 (Electronic), ISBN:978-1-7281-4143-5 (Print), pp. 1-5, 2020. **DOI: https://doi.org/10.1109/ic-ETITE47903.2020.296. [Scopus Indexed].**

- Manish Kumar, Sunil Kumar Jangir, Sudhanshu Kumar Mishra, Sumit Kumar Choubey, **Dilip Kumar Choubey,** "Multi-Channel FLANN Adaptive Filter for Speckle & Impulse Noise Elimination from Color Doppler Ultrasound images" International Conference on

Emerging Trends in Communication, Control and Computing (ICONC3), IEEE Xplorer Digital Library, Mody University of Science and Technology, Lakshmangarh, Rajasthan during 21-22 February, 2020, ISBN: 978-1-7281-1420-0 (Electronic), ISBN:978-1-7281-1421-7 (Print), pp. 1-4, 2020. **DOI: 10.1109/ICONC345789.2020.9117288. [Scopus Indexed].**

- Santosh Kumar, Usha Manasi Mohapatra, Debabrata Singh, **Dilip Kumar Choubey,** "EAC: Efficient Associative Classifier for Classification", International Conference on Applied Machine Learning (ICAML-2019), IEEE Xplorer Digital Library, Organized by Siksha 'O' Anusandhan Deemed to be University Bhubaneswar, Odisha, India during 25-26 October, 2019. ISBN 978-1-7281-3908-1 (Electronic), ISBN:978-1-7281-3909-8 (Print), pp. 15-20, 2019. **DOI: 10.1109/ICAML48257.2019.00011. [Scopus Indexed].**

- Santosh Kumar, Usha Manasi Mohapatra, Debabrata Singh, **Dilip Kumar Choubey,** "IoT Based Cardiac Arrest Prediction through Heart Variability Analysis", 3rd International Conference on Advanced Computing & Intelligent Engineering (ICACIE 2018), Advances in Intelligent Systems and Computing(AISC), Springer, Organized by Siksha 'O' Anusandhan Deemed to be University Bhubaneswar, Odisha, India during 22-24 December, 2018, Proceedings of ICACIE 2018, Advances in Intelligent Systems and Computing 1089 (AISC), Springer, ISBN: 978-981-15-1482-1 (Print), ISBN: 978-981-15-1483-8 (Online), Vol. 1089, pp. 353-363, 2020. **DOI: https://doi.org/10.1007/978-981-15-1483-8_30. [Scopus Indexed].**

- **Dilip Kumar Choubey,** Sanchita Paul, Vinay Kumar Dhandhania, "GA_NN: An intelligent Classification System for Diabetes", Springer Proceedings AISC Series, 7th International Conference on Soft Computing for Problem Solving-SocProS 2017, Indian Institute of Technology, Bhubaneswar, India, December 23-24, 2017. ISBN: 978-981-13-1594-7 (Print), ISBN 978-981-13-1595-4 (Online), Chapter 2, Soft Computing for Problem Solving, Advances in Intelligent Systems and Computing 817, Springer, Vol. 2, pp. 11-23, 2019. **DOI: https://doi.org/10.1007/978-981-13-1595-4_2. [Scopus Indexed].**

- Kanchan Bala, **Dilip Kumar Choubey,** Sanchita Paul, "Soft Computing and Data Mining Techniques for Thunderstorms and Lightning Prediction: A Survey", International Conference of Electronics, Communication and Aerospace Technology (ICECA 2017), IEEE Xplorer Digital Library, during 20-22 April, 2017, ISBN 978-1-5090-5686-6, RVS Technical Campus, Coimbatore, Tamil Nadu, India, ISBN: 978-1-5090-5686-6 (Electronic), ISBN:978-1-5090-5685-9 (Print), Vol. 1, pp. 42-46, 2017. **DOI: 10.1109/ICECA.2017.8203729. [Scopus Indexed].**

- **Dilip Kumar Choubey,** Sanchita Paul, Santosh Kumar, Shankar Kumar, "Classification of Pima Indian Diabetes Dataset using Naive Bayes with Genetic Algorithm as an Attribute Selection", CRC Press Taylor Francis, Communication and Computing Systems: Proceedings of the International Conference on Communication and Computing System (ICCCS 2016), Organized by Dronacharya College of Engineering, Gurgaon, India on September 9 -11, ISBN 978-1-138-02952-1, pp. 451-455, 2017. **DOI: 10.1201/9781315364094-82. [Scopus Indexed].**

- Kesav Srivastava, **Dilip Kumar Choubey,** Jitendra Kumar, "Implementation of Inventory Management System", 3rd International Conference on Innovative Computing

and Communication (ICICC-2020), Elsevier, Organized by: Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi in Association with National Institute of Technology Patna (NIT Patna) & University of Valladolid Spain 21-23rd February, 2020. **Available at SSRN: https://ssrn.com/abstract=3563375 or DOI: http://dx.doi.org/10.2139/ssrn.3563375. [Scopus Indexed].**

- **Dilip Kumar Choubey,** Joy Bhattacharjee, Roopali Soni, "Privacy protection and Fine-Grained Access Control to Web Databases", International Conference on Computer Science and Engineering held at Mysore, ISBN 978-93-82208-00-6, organized by IOAJ on 5th August, 2012.

Books/Edited Books (02)

- Anand Sharma, Sunil Kumar Jangir, Manish Kumar, **Dilip Kumar Choubey,** Tarun Shrivastava, S. Balamurgan, "Industrial Internet of Things: Technologies and Research Directions", CRC Press, A Taylor & Francis Group, HB ISBN: 978-0-367-70207-6, EB ISBN: 978-1-003-14500-4, PB ISBN: 978-0-367-70208-3. **DOI: 10.1201/9781003145004.**

- **Dilip Kumar Choubey,** Joy Bhattacharjee, "Loss Minimization of Web Databases by Fine Grain Approach", LAP Lambert Academic Publishing, Germany, ISBN: 978-3-659-97524-0, 2016. https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-975240/loss minimization-of-web-databases-by-fine-grain-approach.

Book Chapters (12)

- **Dilip Kumar Choubey,** Pragati Dubey, Babul Prasad Tewari, Mukesh Kumar Ojha, Jitendra Kumar, "Prediction of Liver Disease Using Soft Computing and Data Science Approaches", 6G Enabled Fog Computing in IoT – Applications and opportunities, Springer Nature. **[Accepted 2022]**

- Nirmalya Mukhopadhyay, Babul Prasad Tewari, **Dilip Kumar Choubey,** and Avijit Bhowmick, "Efficient Resource Allocation in Virtualized Cloud Platforms using Encapsulated Virtualization based Ant Colony Optimization (EVACO)", 6G Enabled Fog Computing in IoT – Applications and opportunities, Springer Nature. **[Accepted 2022]**

- **Dilip Kumar Choubey,** Chandan Kumar Jha, Niraj Kumar, Neha Kumari, Vaibhav Soni, "Chapter 15: Detecting Heart Arrhythmias Using Deep Learning Algorithms", Convergence of Cloud with AI for Big Data Analytics: Foundations and Innovation, Advances in Learning Analytics for Intelligent Cloud-IoT Systems, Wiley-scrivener, pp. 331-378, 2023. **DOI: https://doi.org/10.1002/9781119905233.ch15**

- Ashwini Kumar, **Dilip Kumar Choubey**, Manish Kumar, Santosh Kumar, "Chapter 12: APP Based Agriculture Information System for Rural Farmers in India", Convergence of Cloud with AI for Big Data Analytics: Foundations and Innovation, Advances in Learning Analytics for Intelligent Cloud-IoT Systems, Wiley-scrivener, pp. 257-276, 2023. **DOI: http://dx.doi.org/10.1002/9781119905233.ch12**

- **Dilip Kumar Choubey,** Vaibhav Shukla, Vaibhav Soni, Jitendra Kumar, Dharmendra Kumar Dheer, "Chapter 13: A Review on IoT Architectures, Protocols, Security and Applications", Industrial Internet of Things: Technologies and Research Directions, CRC Press, A Taylor & Francis Group, ISBN: 978-1-003-14500-4, pp. 225-242, 2022. **DOI: 10.1201/9781003145004-13**.

- Rahul Prakash, Mukesh Kumar, Dharmendra Kumar Dheer, **Dilip Kumar Choubey,** "Chapter 12: Robotic Operating System and Human – Robot Interaction for Automated Guided Vehicles (AGVs): An application of Internet of Things in Industries", Industrial Internet of Things: Technologies and Research Directions, CRC Press, A Taylor & Francis Group, ISBN: 978-1-003-14500-4, pp. 205-224, 2022. **DOI: 10.1201/9781003145004-12.**

- Kartik Rawal, Advika Parthvi, **Dilip Kumar Choubey,** Vaibhav Shukla, "Chapter 16: Prediction of Leukemia by Classification and Clustering Techniques", Machine Learning, Big Data and IoT for Medical Informatics, Intelligent Data-Centric Systems: Sensor Collected Intelligence Series, Academic Press, ISBN 978-0-12-821777-1, pp. 275-295, 2021. **DOI: https://doi.org/10.1016/B978-0-12-821777-1.00003-3. [Scopus Indexed].**

- Vaibhav Shukla, **Dilip Kumar Choubey,** "Design and analysis of AWG and FDL based optical switch in data centre network", Chapter 68, Encyclopedia of Organizational Knowledge, Administration, and Technology, Fifth Edition, IGI Global, ISBN 978-1-7998-3479-3, Vol. 5, pp. 980-1001, 2021. **DOI: 10.4018/978-1-7998-3479-3.ch068**

- Vaibhav Shukla, Rajiv Srivastava, **Dilip Kumar Choubey,** "Chapter 8: Optical Switching in Next-Generation Data Centers: Architectures Based on Optical Switching", Contemporary Developments in High-Frequency Photonic Devices, IGI Global, ISBN 978-1-5225-8531-2, pp. 164-193, 2019. **DOI: 10.4018/978-1-5225-8531-2.ch008.**

- **Dilip Kumar Choubey,** Sanchita Paul, Kanchan Bala, Manish Kumar, Uday Pratap Singh, "Chapter 9: Implementation of a Hybrid Classification Method for Diabetes", Innovations in Multimedia Data Engineering and Management, IGI Global, ISBN 978-1-5225-7107-0, pp. 201-240, 2019. **DOI: 10.4018/978-1-5225-7107-0.ch009.**

- Kanchan Bala, **Dilip Kumar Choubey,** Sanchita Paul, Mili Ghosh Nee Lala, "Chapter 1: Classification Techniques for Thunderstorms and Lightning Prediction - A Survey", Soft Computing-Based Nonlinear Control Systems Design, IGI Global, ISBN 978-1-5225-3531-7, pp. 1-17, 2018. **DOI: 10.4018/978-1-5225-3531-7.ch001.**

- **Dilip Kumar Choubey,** Sanchita Paul, "Chapter 12: GA_SVM-A Classification System for Diagnosis of Diabetes", Handbook of Research on Nature Inspired Soft Computing and Algorithms, IGI Global, ISBN 978-1-5225-2128-0, pp. 359-397, 2017. **DOI: 10.4018/978-1-5225-2128-0.ch012. [ESCI, Scopus Indexed].**

Publications Homepage
- Google scholar: (https://scholar.google.co.in/citations?user=I2BzXaUAAAAJ&hl=en)
- Scopus Author ID: 56459851500
  (https://www.scopus.com/authid/detail.uri?authorId=56459851500)
- Researcher ID: D-2497-2018 (http://www.researcherid.com/rid/D-2497-2018)
- 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)
- LinkedIn: (https://in.linkedin.com/in/dr-dilip-kumar-choubey-52108079)

SPONSORED PROJECTS

Funded Research Project

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

Funded By: "TEQIP Collaborative Research Scheme"

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

- **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
  Name of Inventors: Ratnesh Kumar Dubey, **Dilip Kumar Choubey,** Arvind Choubey.
  [Status: Published]

- **Copyright Title:** IMPROVING ROBUSTNESS OF LOGISTIC REGRESSION UNDER LABEL NOISE, Registration No. L-104501/2021, Publication Date 15/6/2021.
  Name of Applicants: Ratnesh Kumar Dubey, Shubha Mishra, **Dilip Kumar Choubey.**
  [Status: Grant]

CONDUCTED FDP/WORKSHOP'S/SEMINAR'S/CONFERENCE'S/STC

- 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.
- 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.
- 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

- 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

- Chairing session in Three Days IEEE International Conference on Artificial Intelligence and Smart Communication (AISC-2023) dated 27th – 29th January, 2023 organized by G. L. Bajaj Institute of Technology & Management, Greater Noida, (U.P.), India.
- Charing Session in (**Machine Learning & Computational Intelligence**) at the 4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences MIND-2022 (Hybrid/Virtual mode), Proceedings in Communications in Computer and Information Science (CCIS) Series, Springer during December 21st - 22nd, 2022 organized by Department of Computer Science and Engineering Maulana Azad National Institute of Technology Bhopal, India.
- Chairing session in **Congress on Smart Computing Technologies (CSCT 2022)** during December 11-12, 2022 organized by Soft Computing Research Society technically sponsored by SAU Centre for Research and Innovative Learning (SCRIL), South Asian University, India.
- Chairing session on **"Disease Progression on Severity Prediction"** at the 4th International Conference on Machine Intelligence and Signal Processing (MISP 2022) organized by the Department of Computer Science and Engineering, National Institute of Technology Raipur, India during March 12th – 14th, 2022 (In Virtual Mode).
- Organized Special Session on **"Data Science and Machine Learning",** 4th International Conference on Machine Intelligence and Signal Processing (MISP 2022) organized by the Department of Computer Science and Engineering, National Institute of Technology Raipur, India during March 12th – 14th, 2022 (In Virtual Mode) Proceedings will be published in Springer Book Series "Lecture Notes in Electrical Engineering (LNEE)". https://misp2022.nitrr.ac.in/ [**Scopus Indexed].**
- Chairing session on **"Artificial Intelligence in Security System"** in the Fourth International Conference on Information Systems and Management Science (ISMS 2021) Jointly organized by the faculty of ICT, University of Malta, Malta & Department of Computer Science and Engineering, National Institute of Technology, Raipur, India during December 14-15, 2021 (in Virtual Mode).
- Organized Special Session on **"Artificial Intelligence and Data Science",** 4th International Conference on Information Systems and Management Science (ISMS 2021), Jointly organized by the Department of Computer Science and Engineering, National Institute of Technology Raipur, India & Faculty of ICT, University of Malta, Malta during December 14-15, 2021 (In Virtual Mode), Proceedings will be published in Springer Book Series "Lecture Notes in Networks and Systems (LNNS Series)". [**Scopus Indexed].**

REVIEWED IN JOURNALS/CONFERENCES/BOOK/BOOK CHAPTERS

- Computers and Electrical Engineering, Elsevier
- Medical & Biological Engineering & Computing, Springer
- Multimedia Tools and Applications, Springer
- Network Modeling Analysis in Health Informatics and Bioinformatics, Springer
- IETE Journal of Research, Taylor Francis
- International Journal for Numerical Methods in Biomedical Engineering, Wiley

- Knowledge and Information Systems, Springer
- Statistical Applications in Genetics and Molecular Biology (SAGMB), De Gruyter
- IEEE Access
- Current Bioinformatics, Bentham Science
- International Journal of Intelligent Robotics and Applications (JIRA), Springer
- Health and Technology, Springer
- Statistical Applications in Genetics and Molecular Biology, De Gruyter
- BMC Medical Informatics and Decision Making, Springer
- International Journal of Grid and Utility Computing, Inderscience
- Reviewer in Conferences of CRM 2023, ICDT – 2023, DICCT 2023, WCAIAA 2023, MIND 2022, ICIoTCT 2022, SocPros 2022, ICDSAI 2022, MISP 2022, SoCTA 2020, FRSM 2020.
- Review 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/SEMINAR'S/ CONFERENCE'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" (ICCBDT-2013) supported by TEQIP-II, November 13-15, 2013 at Rajiv Gandhi Proudyogiki 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
- IEEE Member, Membership Number is: 98022544
- The International Association of Engineers (IAENG), Member (Life Time), Member Number: 170186.
- The Internet Society Switzerland (ISOC), Member (Life Time), Member Number: 132337.
- The Society of Digital Information and Wireless Communications (SDIWC), Member (Life Time), Member Id: 16400.

CURRENT ADMINISTRATIVE RESPONSIBILITY
- Boys Hostel Warden 02 from 01-09-2022.
- Faculty In-Charge of "Computer Centre" from 19-07-2022.
- Faculty adviser for PG (M.Tech) of Computer Science & Engineering Department from 24-08-2021.
- Faculty In charge of "Computer Systems" lab from 08-03-2021 till date.
- Member and Indentors of the Departmental Purchase Committee, CSE, IIIT Bhagalpur.
- Faculty Advisor for First year undergraduate students (2020-2024) batch of Computer Science & Engineering Department from 10-12-2020.

PAST ADMINISTRATIVE RESPONSIBILITY
- M.Tech (Computer Science and Engineering – Specialisation in AI & ML), Year Coordinator at Vellore Institute of Technology, Vellore, Tamil Nadu.

PERSONAL DOSSIER
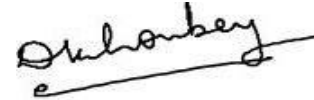Date of Birth   : 26-01-1988.
Father's Name   : MR. P. N. Choubey.
Hobbies / Area of Interest   : Watching & Playing Cricket, Writing diary, Internet Surfing.

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.

Place : Bhagalpur   **(Dr. DILIP KUMAR CHOUBEY)**