

Sri Khetwat Saritha, Ph.D.

✉ khethawatsaritha@manit.ac.in

in dr-saritha-s-k-9292b727

🌐 <https://www.manit.ac.in/content/dr-sri-khetwat-saritha>



Employment/Experience

- 2024 - till date ○ **Associate Professor**, Department of Computer Science and Engineering, Maulana Azad National Institute of Technology, Bhopal.
- 2018 - 2024 ○ **Assistant Professor (Grade I)**, Department of Computer Science and Engineering, Maulana Azad National Institute of Technology, Bhopal.
- 2006 – 2018 ○ **Assistant Professor (Grade II)**, Department of Computer Science and Engineering, Maulana Azad National Institute of Technology, Bhopal.
- 2005 – 2006 ○ **Lecturer**, Department of Computer Science and Engineering, Maulana Azad National Institute of Technology, Bhopal.

Education

- 2016 ○ **Ph.D.**, Department of Computer Science and Engineering, Maulana Azad National Institute of Technology, Bhopal.
- 2009 ○ **M.Tech.(CSE)**, Department of Computer Science, Maulana Azad National Institute of Technology, Bhopal.
- 2001 ○ **B.E.(CSE)**, Department of Computer Science and Engineering, MVSR Engineering College, Nadargal, Hyderabad.

Teaching

- Under Graduate ○ Web Search and Information Retrieval, Natural Language Processing, Distributed Computing, Principles of Programming Languages, Discrete Mathematics, Computer Programming, Data Structures.
- Post Graduate ○ Web Search and Information Retrieval, Natural Language Processing, Architecture of Large Systems, Data Mining, Advance C++ and Visual Basic.

Research Publications

Journal Articles

- 1 C. Prasad, S. K. Saritha, and S. Jain, "Bilinear diffusion graph convolutional network model for social recommendation," *The Journal of Supercomputing*, vol. 81, no. 2, Jan. 2025, ISSN: 1573-0484. DOI: 10.1007/s11227-025-06930-7.
- 2 S. Sahni, S. Jain, and S. K. Saritha, "A novel ensemble model for fall detection: Leveraging cnn and bilstm with channel and temporal attention," *Automatika*, vol. 66, no. 2, pp. 103–116, Jan. 2025, ISSN: 1848-3380. DOI: 10.1080/00051144.2025.2450553.
- 3 S. K. Anuragi, Kishan, and Saritha, "Comparative analysis of ensemble learning approaches for slope stability prediction," *SSRG Int. J. Civ. Eng.*, vol. 11, no. 5, pp. 168–180, May 2024. DOI: 10.14445/23488352/IJCE-V11I5P116.
- 4 S. Sahni, S. Jain, and S. K. Saritha, "XAttentionHAR: Enhanced human activity recognition using cross-modality attention mechanisms," in *Intern. J. Pattern Recognit. Artif. Intell.*, Nov. 2024. DOI: 10.1142/S0218001424500265.

- 5 S. Akbar and S. K. Saritha, "Quantum inspired community detection for analysis of biodiversity change driven by land-use conversion and climate change," *Scientific Reports*, vol. 11, no. 1, p. 14 332, 2021.  DOI: 10.1038/s41598-021-93122-x.
- 6 S. Akbar and S. K. Saritha, "Towards quantum computing based community detection," *Computer Science Review*, vol. 38, p. 100 313, Nov. 2020, ISSN: 1574-0137.  DOI: 10.1016/j.cosrev.2020.100313.
- 7 K. Prasad and S. K., "Concept mining in text documents using clustering," *International Journal of Computer Applications*, vol. 182, no. 48, pp. 24–33, Apr. 2019, ISSN: 0975-8887.  DOI: 10.5120/ijca2019918731.
- 8 S. Kushwaha, D. Kishan, M. Chauhan, and S. Khetawath, "Stabilization of red mud using eko soil enzyme for highway embankment," *Materials Today: Proceedings*, vol. 5, no. 9, pp. 20 500–20 512, 2018, ISSN: 2214-7853.  DOI: 10.1016/j.matpr.2018.06.427.
- 9 K. N., S. K., and D. Saxena, "A survey paper on concept mining in text documents," *International Journal of Computer Applications*, vol. 166, no. 11, pp. 7–10, May 2017, ISSN: 0975-8887.  DOI: 10.5120/ijca2017914143.
- 10 S. Pandey and S. Khetwat, "A survey paper on image classification and methods of image mining," *International Journal of Computer Applications*, vol. 169, no. 6, pp. 10–12, Jul. 2017, ISSN: 0975-8887.  DOI: 10.5120/ijca2017914765.
- 11 D. Saxena, S. K. Saritha, K. Prasad, *et al.*, "Survey paper on feature extraction methods in text categorization," *International Journal of Computer Applications*, vol. 166, no. 11, pp. 11–17, May 2017, ISSN: 0975-8887.  DOI: 10.5120/ijca2017914145.
- 12 U. Sreenivasan, D. Kishan, S. K. Saritha, and S. Khushwaha, "Prediction of reservoir induced seismicity by analytical hierarchy process and regression analysis," *Current World Environment*, vol. 11, no. 2, pp. 577–583, Aug. 2016, ISSN: 2320-8031.  DOI: 10.12944/cwe.11.2.28.
- 13 A. Maheshwari and S. Saritha, "Flaws frauds hindering credit cards security," *International Journal of Engineering Trends and Technology*, vol. 24, no. 1, pp. 26–31, Jun. 2015, ISSN: 2231-5381.  DOI: 10.14445/22315381/ijett-v24p206.
- 14 S. Narwariya and S. K. Saritha, "Feature selection methods for text classification," *International Journal of Advanced Engineering and Global Technology*, vol. 3, pp. 1125–1130, 8 2015.
- 15 P. M. Tripathi and S. K. Saritha, "Identifying emotion from text: A survey and further possible improvements," *International Journal of Advanced Engineering and Global Technology*, vol. 3, pp. 941–945, 7 2015.
- 16 S. K. Saritha and R. K. Pateriya, "Methods for identifying comparative sentences," *International Journal of Computer Applications*, vol. 108, no. 19, pp. 23–26, Dec. 2014, ISSN: 0975-8887.  DOI: 10.5120/19020-0504.
- 17 S. N. Shivhare and S. K. Saritha, "Emotion detection from text documents," *International Journal of Data Mining and Knowledge Management Process*, vol. 4, no. 6, pp. 51–57, Nov. 2014, ISSN: 2230-9608.  DOI: 10.5121/ijdkp.2014.4605.
- 18 A. Bhargava and S. K. Saritha, "Information retrieval from text," *International Journal of Computer Science, Engineering and Information Technology (IJCEIT)*, vol. 3, no. 4, 2013.
- 19 T. P. D. Khethawat Saritha, "Semantic analysis of comparative sentences in text document: A survey," *International Journal of Computer Science, Engineering and Information Technology (IJCEIT)*, vol. 1, no. 6, 2013.
- 20 S. K. Saritha and D. Devshriroy, "Semantic orientation of sentiment analysis on social media," *International Journal of Computer and Technology*, vol. 11, no. 4, pp. 2401–2409, Oct. 2013, ISSN: 2277-3061.  DOI: 10.24297/ijct.v11i4.3124.
- 21 M. Naidu and S. Khetwat Sarita, "Disambiguation of identities using user ranking in social networks," *International Journal of Computer Applications*, vol. 48, no. 24, pp. 29–32, Jun. 2012, ISSN: 0975-8887.  DOI: 10.5120/7530-0604.

- 22 M. Khandelwal and S. Khethawat, "Deep web: Organizing data using topic maps," *International Journal of Computer Science, System Engineering and Information Technology*, vol. 3, no. 1, pp. 157–164, 2010.

Conference Papers

- 1 V. Verma, S. K. Saritha, and S. Jain, "Automatic image caption generation using resnet & torch vision," in *International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND 2022)*, January 19–20, 2023.
- 2 P. Jain and S. K. Saritha, "Enhancing word sense disambiguation performance on wic-tsv dataset using bert-lstm model," in *Proceedings of the 12th International Conference on Soft Computing for Problem Solving (SocProS 2023), Moving Towards Society 5.0, held at Indian Institute of Technology Roorkee, Roorkee, India during 11th to 13th August 2023*, Springer Nature Singapore, 2024, pp. 477–487, ISBN: 9789819731800.  DOI: 10.1007/978-981-97-3180-0_31.
- 3 A. Porwal, S. K. Saritha, and M. K. Ahirwal, "A hybrid approach for depression classification using bert and svm," in *Proceedings of the 12th International Conference on Soft Computing for Problem Solving (SocProS 2023), Moving Towards Society 5.0, held at Indian Institute of Technology Roorkee, Roorkee, India during 11th to 13th August 2023*, Springer Nature Singapore, 2024, pp. 463–475, ISBN: 9789819731800.  DOI: 10.1007/978-981-97-3180-0_30.
- 4 S. Chaturvedi, S. K. Saritha, and A. Chaturvedi, "Spark based parallel frequent pattern rules for social media data analytics," in *2023 IEEE/ACM 23rd International Symposium on Cluster, Cloud and Internet Computing Workshops (CCGridW)*, IEEE, May 2023, pp. 168–175.  DOI: 10.1109/ccgridw59191.2023.00039.
- 5 S. Jain and S. Sri Khetwat, "An integrated model for access control and encryption of data in database," in *Second International Conference on Information Systems and Technology, ICIST 2011, MES Journal of Technology and Management*, 2023, pp. 90–92.
- 6 V. Kumar Pandey, S. Jain, and S. K. Saritha, "Advanced iot-based fire and smoke detection system leveraging deep learning and tinyml," in *2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)*, IEEE, Jul. 2023.  DOI: 10.1109/icccnt56998.2023.10307805.
- 7 V. Pandey Kumar, S. K. Saritha, and S. Jain, "An iot based real-time fire and smoke detection using mobilenet," in *11th International Conference on " Contemporary Engineering and Technology - 2023," (ICCET – 2023) May 1st – 2nd, 2023*, 2023.
- 8 C. Prasad and S. Sri Khetwat, "Digital dossier aggregation and defence by online social networking sit," in *Second International Conference on Information Systems and Technology, ICIST 2011, MES Journal of Technology and Management*, 2023, pp. 06–11.
- 9 Y. Rai, S. K. Saritha, and B. Roy, "Interpreting machine learning models using model-agnostic approach," in *AIP Conference Proceedings*, AIP Publishing, vol. 2745, 2023.
- 10 M. K. Sadhukhan, M. K. Ahirwal, and S. Saritha, "An online learning and problem solving (olps) eeg database for mental workload assessment and its initial benchmark classification performance," in *International Conference on Computational Intelligence*, Springer, 2023, pp. 251–264.
- 11 V. Verma, S. K. Saritha, and S. Jain, "Automatic image caption generation: A review," in *International Conference on Advances in Communication Technology and Computer Engineering*, AIP Publishing, 2023.  DOI: 10.1063/5.0132595.
- 12 P. Dwivedi, S. K. Saritha, and S. Jain, "Brand logo detection using slim yolo-v4," in *International Conference on Innovative Computing and Communications: Proceedings of ICICC 2022, Volume 2*, Springer, 2022, pp. 67–76.
- 13 M. Gupta, S. Jain, and S. Saritha, "The architectural design of smart embedded blind stick by using iot," in *International Conference on Innovative Computing and Communications: Proceedings of ICICC 2022, Volume 1*, Springer, 2022, pp. 539–551.

- 14 O. Thakur, S. K. Saritha, and S. Jain, "Textual analysis of covid-19: A review," in *THEETAS 2022: Proceedings of The International Conference on Emerging Trends in Artificial Intelligence and Smart Systems, THEETAS 2022, 16-17 April 2022, Jabalpur, India*, European Alliance for Innovation, 2022, p. 36.
- 15 O. Thakur, S. K. Saritha, and S. Jain, "Topic modeling, sentiment analysis and text summarization for analyzing news headlines and articles," in *International Conference on Machine Learning, Image Processing, Network Security and Data Sciences*, Springer, 2022, pp. 220–239.
- 16 K. Malviya, B. Roy, and S. Saritha, "A transformers approach to detect depression in social media," in *2021 International Conference on Artificial Intelligence and Smart Systems (ICAIS)*, IEEE, 2021, pp. 718–723.
- 17 M. Sahu and K. Saritha, "Study on various collaborative filtering techniques to recommend movies," in *2021 10th IEEE International Conference on Communication Systems and Network Technologies (CSNT)*, IEEE, 2021, pp. 414–420.
- 18 P. Swathi and S. Sk, "Deepfake creation and detection: a survey," in *2021 Third International Conference on Inventive Research in Computing Applications (ICIRCA)*, Coimbatore, India: IEEE, Sep. 2021.
- 19 S. Akbar and S. K. Saritha, "Qml based community detection in the realm of social network analysis," in *2020 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT)*, IEEE, 2020, pp. 1–7.
- 20 N. Ballal and S. K. Saritha, "A study of deep learning in text analytics," in *Social Networking and Computational Intelligence: Proceedings of SCI-2018*, Springer, 2020, pp. 197–205.
- 21 S. Qureshi and S. K. Saritha, "Literature review on answer processing in community question answering system," in *International Conference on Internet of Things and Connected Technologies*, Springer, 2020, pp. 121–133.
- 22 P. Apte and S. Sri Khetwat, "Text-based emotion analysis: Feature selection techniques and approaches," in *Emerging Technologies in Data Mining and Information Security: Proceedings of IEMIS 2018, Volume 2*, Springer, 2019, pp. 837–847.
- 23 S. Chaturvedi and S. K. Saritha, "Parallel frequent pattern mining on natural language-based social media data," in *Emerging Technologies in Data Mining and Information Security: Proceedings of IEMIS 2018, Volume 3*, Springer, 2019, pp. 507–517.
- 24 Iliho and S. K. Saritha, "Community detection methods in social network analysis," in *Emerging Technologies in Data Mining and Information Security: Proceedings of IEMIS 2018, Volume 2*, Springer, 2019, pp. 849–858.
- 25 A. Kashyap and S. K. Saritha, "Social network analysis with collaborative learning: A review," in *Emerging Technologies in Data Mining and Information Security: Proceedings of IEMIS 2018, Volume 2*, 2019, pp. 383–392.
- 26 S. Saritha and R. Pateriya, "Rule-based shallow parsing to identify comparative sentences from text documents," in *Emerging Research in Computing, Information, Communication and Applications: ERCICA 2015, Volume 3*, Springer, 2016, pp. 355–365.
- 27 K. Dharavath and S. K. Saritha, "Semantic web: A topic specific search," in *2012 Ninth International Conference on Information Technology-New Generations*, IEEE, 2012, pp. 145–148.
- 28 S. K. Saritha and K. Dharavath, "Link encryption to counteract with rouge social network crawlers," in *2012 Ninth International Conference on Information Technology-New Generations*, IEEE, 2012, pp. 883–884.
- 29 S. N. Shivhare, "Emotion detection from text," in *Computer Science and Information Technology (CS and IT)*, ser. CCSEA - 2012, Academy Industry Research Collaboration Center (AIRCC), May 2012.  DOI: 10.5121/cs.it.2012.2237.

- 30 K. Dharavath and S. K. Saritha, "Organizing extracted data: Using topic maps," in *2011 Eighth International Conference on Information Technology: New Generations*, IEEE, Apr. 2011, pp. 1048–1049.  DOI: 10.1109/itng.2011.181.
- 31 S. Khethawat and S. Jain, "Security challenges and techniques for database security," in *National Conference on innovation and trends in Computer and Communication Engineering, ITCCE 2011, MET's Institute of Engineering, Bhujbal Knowledge City, Adgoan, Nashik*, 2011, pp. 80–82.
- 32 S. Khethawat and C. Prasad, "Rogue crawler defense by online social networks to secure users personal data," in *National Conference on innovation and trends in Computer and Communication Engineering, ITCCE 2011, MET's Institute of Engineering, Bhujbal Knowledge City, Adgoan, Nashik*, 2011, pp. 67–70.
- 33 S. K. Saritha and K. Dharavath, "Domain and keyword specific data extraction from invisible web databases," in *2011 Eighth International Conference on Information Technology: New Generations*, IEEE, 2011, pp. 1084–1085.
- 34 M. Khandelwal and S. Khethawat, "Deep web: Organizing data using topic maps," in *International Conference TRACE – 2010, BUIT, February 25 – 26, 2010*.
- 35 S. Khethawat, T. Deepak Singh, and R. P. Singh, "Effective use of knowledge discovery from deep web for web based learning," in *National conference on e-Learning: An Innovative knowledge oriented framework, 9 – 12 September 2009, 2009*.
- 36 V. Soni, V. Khare, V. Wani, and S. Khethawat, "Technology innovation and human interface for productivity improvement," in *National Conference of Computer Application in Manufacturing processes, Sinhgad Institute of Technology, Lonavla, March 13 – 14, 2008, 2008*, pp. 54–58.

Book Chapters

- 1 A. Porwal, S. K. Saritha, and M. K. Ahirwal, "A hybrid approach for depression classification using BERT and SVM," en, in *Lecture Notes in Networks and Systems*, ser. Lecture notes in networks and systems, Singapore: Springer Nature Singapore, 2024, pp. 463–475.
- 2 M. K. Sadhukhan, M. K. Ahirwal, and S. K. Saritha, "An online learning and problem solving (OLPS) EEG database for mental workload assessment and its initial benchmark classification performance," en, in *Proceedings of International Conference on Computational Intelligence*, Singapore: Springer Nature Singapore, 2024, pp. 251–264.
- 3 P. Dwivedi, S. K. Saritha, and S. Jain, "Brand logo detection using slim YOLO-V4," in *Lecture notes in networks and systems*, Singapore: Springer Nature Singapore, 2023, pp. 67–76.
- 4 M. Gupta, S. Jain, and S. K. Saritha, "The architectural design of smart embedded blind stick by using IOT," in *Lecture notes in networks and systems*, Singapore: Springer Nature Singapore, 2023, pp. 539–551.
- 5 R. Verma, S. Jain, S. K. Saritha, and S. Dodia, "Automatic abnormality detection in musculoskeletal radiographs using ensemble of pre-trained networks," in *Evolution in Computational Intelligence*, ser. Smart innovation, systems and technologies, Singapore: Springer Nature Singapore, 2023, pp. 71–81.
- 6 O. Thakur, S. K. Saritha, and S. Jain, "Topic modeling, sentiment analysis and text summarization for analyzing news headlines and articles," in *Communications in Computer and Information Science*, ser. Communications in computer and information science, Cham: Springer Nature Switzerland, 2022, pp. 220–239.
- 7 V. Verma, S. K. Saritha, and S. Jain, "Automatic image caption generation using resnet amp; torch vision," in *Machine Learning, Image Processing, Network Security and Data Sciences*, Springer Nature Switzerland, 2022, pp. 82–101, ISBN: 9783031243677.  DOI: 10.1007/978-3-031-24367-7_7.
- 8 F. Ahmed, B. Roy, and S. Khetawat, "Wearable device design for cattle behavior classification using IoT and machine learning," in *Advances in Intelligent Systems and Computing*, ser. Advances in intelligent systems and computing, Cham: Springer International Publishing, 2021, pp. 235–248.

- 9 V. Kumar and S. K. Saritha, "Sentiment time series analysis on us economic news," in *New Opportunities for Sentiment Analysis and Information Processing*, IGI Global, 2021, pp. 253–268.
- 10 S. Qureshi, S. K. Saritha, and D. Kishan, "Answer selection in community question answering using lstm," in *New Opportunities for Sentiment Analysis and Information Processing*, IGI Global, 2021, pp. 153–165.
- 11 N. Ballal and S. Saritha, "A study of deep learning in text analytics," in *Lecture Notes in Networks and Systems*, Springer, 2020, pp. 197–205.
- 12 A. Kashyap and S. K. Saritha, "Social network analysis with collaborative learning: A review," in *Advances in Intelligent Systems and Computing*, ser. Advances in intelligent systems and computing, Singapore: Springer Singapore, 2019, pp. 383–392.
- 13 S. K. Saritha and R. K. Pateriya, "Rule-based shallow parsing to identify comparative sentences from text documents," in *Emerging Research in Computing, Information, Communication and Applications*, Singapore: Springer Singapore, 2016, pp. 355–365.

Research and Development

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|----------------|--|
| 2011–2013 | ○ Exploring Possibilities of Geothermal Energy in MP , NHDC Bhopal, (Co-PI). |
| 2024 (Ongoing) | ○ "Smart-phone based automated recognition of distracted pedestrians using computer vision techniques" , I-DAPT-HUB-Foundation, IIT BHU. (Co-PI). |

Patents

Granted

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| 2022 | ○ Quantum Inspired Community Detection for Predicting COVID–19 Hotspots Linked with Labour Migration in India , IP India. |
| 2021 | ○ Novel 3D Printed Bionic Prosthetic Leg , Australian Government.
○ Home Automation Based on User Detection Using Internet of Things , Australian Government. |

Published

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| 2024 | ○ A Sewage Pipe Accessory for Eliminating Bad Order Efficiently Using the Internet of Things (IoT) , IP India. |
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Workshop/Short Term Training Programs Organized

Workshops

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| 2024 | ○ Workshop on "Applications of Deep Learning and Generative AI in Computer Vision and NLP Tasks" , organized by the Department of Computer Science and Engineering, Maulana Azad National Institute of Technology Bhopal, Bhopal, from 02 December 2024 to 06 December 2024. |
| 2022 | ○ High-End Workshop on "Application of Information and Communication Technology on Transportation Engineering and Logistics" , Organized by the Department of Civil Engineering and Department of Computer Science and Engineering, Maulana Azad National Institute of Technology Bhopal, Bhopal, from 14 July 2022 to 28 July 2022 (sponsored by Karyashala, SERB, New Delhi). |

Workshop/Short Term Training Programs Organized (continued)

- 2001 ○ **Soft Computing and Machine Learning (SCML 2021)**, organized by the Department of Computer Science and Engineering, Maulana Azad National Institute of Technology Bhopal, Bhopal, from 01 March 2021 to 05 March 2021.

Short Term Training Program (STTP)

- 2021 ○ **Natural Language Processing**. Organized by the Department of Computer Science and Engineering, Maulana Azad National Institute of Technology Bhopal, Bhopal, from 06 January 2021 to 05 January 2021 (sponsored by E and ICT, IIITDM, Jabalpur, Bhopal).
- 2018 ○ **Soft Computing and Machine Learning (SCML 2018)**. Organized by the Department of Computer Science and Engineering, Maulana Azad National Institute of Technology Bhopal, Bhopal, from 05 February 2018 to 9 February 2018 (sponsored by E and ICT, IIITDM, Jabalpur, Bhopal).

Workshop/Short Term Training Programs Attended

- 2017 ○ **Workshop on Data Science and Machine Learning (DSML' 17)**, Organized by Centre for soft computing Research: National facility. ISI, Kolkata from 28-03-2017 to 31-03-2017.
- **Cyber Security Threats and Forensics (WCSTF - 2017)**, Organized by the Department of Computer Science and Engineering, Maulana Azad National Institute of Technology, Bhopal from 23-03-2017 to 24-03-2017.
- **The Science of Living**. Organized by the Academy of Human Excellence, Vadodara from 09-01-2017 to 13-01-2017.
- 2016 ○ **NBA Workshop TEQIP II**. Organized by Department of Electrical, MANIT, Bhopal, from 17-10-2016 to 17-10-2016.
- **Advanced Analytics Using R under Business**. Organized by IIT Hyderabad, from 21-12-2016 to 25-12-2016.
- 2015 ○ **International Workshop on Soft Computing and Applications (ISCA' 15)**. Organized by Centre for soft computing Research: National facility. ISI, Kolkata and South Asian University, New Delhi, from 25-03-2015 to 27-03-2015.
- 2014 ○ **Advanced Analytics Using R under Business**. Organized by Department of CSE, MANIT, Bhopal, from 20-01-2014 to 22-01-2014.
- **Information Retrieval**. Organized by Department of Mathematics and Computer Applications, MANIT, Bhopal, from 26-02-2014 to 27-02-2014.
- **Transformed Teaching Learning Using Moodle (Under TEQIP - II)**. Organized by Department of CSE, MANIT, Bhopal, on 24-11-2014.
- **Conference on Management of Data ©MAD 2014**. Organized by IIIT Hyderabad, from 17-12-2014 to 19-12-2014.
- 2013 ○ **Workshop on Intelligent Computing Techniques in Data Mining**. Organized by Department of Mathematics and Computer Applications, MANIT, Bhopal, from 14-01-2013 to 18-01-2013.
- **International Workshop on Machine Learning and Text Analytics**. Organized by South Asian University, New Delhi, from 15-12-2013 to 23-12-2013.
- 2012 ○ **Writing Effective Conference Papers**. Organized by IIT Bombay and Deptt. of CSE and IT, MANIT, from 18-02-2012 to 09-02-2012.
- **Training Program on Statistical Techniques for Data Mining and Business Analytics**. Organized by IISI Bangalore, from 05-11-2012 to 07-11-2012.

Workshop/Short Term Training Programs Attended (continued)

- **Workshop on Computational Linguistics (COLING 2012) in 24th International Conference on Computational Linguistics.** Organized by IIT Bombay, from 08-12-2012 to 09-12-2012.
- **Workshop on Optimization Techniques.** Organized by Department of Mathematics and Computer Applications, MANIT, Bhopal, from 10-12-2012 to 11-12-2012.
- 2011 ○ **Two Days workshop on Soft Computing and Knowledge Mining.** Organized by Department of Computer Applications and Mathematics, from 29-03-2011 to 30-03-2011.
- **ISTE Workshop on Software Development Techniques for Teachers of Engineering and Science Institutes.** Organized by Deptt. of CSE and IT, MANIT and IIT Bombay, from 05-11-2011 to 04-11-2011.
- **STTP on Digital Image and Signal Processing (STTP DISP 2011).** Organized by Department of ECE, MANIT, Bhopal, from 28-11-2011 to 02-12-2011.
- 2010 ○ **CEP Course on Introduction to Robotics.** Organized by IIT, Bombay, from 29-01-2010 to 30-01-2010.
- **Short Term Training program on Knowledge Discovery in Data Bases: Data, Information and Knowledge (DInK'10).** Organized by Center for soft Computing, Research: A National facility, ISI, Kolkata, from 11-01-2010 to 15-01-2010.
- **ISTE Workshop on Effective Teaching/learning of Computer Programming.** Organized by Deptt. of CSE and IT, MANIT, from 28-06-2010 to 10-07-2010.
- **ISTE Workshop on Database Management Systems.** Organized by Deptt. of CSE and IT, MANIT and IIT Bombay, from 13-12-2010 to 23-12-2010.
- 2008 ○ **MHRD- AIC TE SDP on Data Warehousing and Data Mining.** Organized by Deptt. of Mathematics and Computer Applications, MANIT, Bhopal, from 30-06-2008 to 11-07-2008.
- 2007 ○ **Short Term Training Program on Information Security.** Organized by Deptt. of CSE and IT, MANIT, Bhopal, from 10-12-2007 to 14-12-2007.
- **National Workshop on Cheminformatics.** Organized by Deptt. of Mathematics, MANIT, Bhopal, from 28-05-2007 to 01-06-2007.
- 2006 ○ **Short Term Course on Web Page Designing.** Organized by NITTR, Chandigarh, from 08-05-2006 to 12-05-2006.
- 2005 ○ **FDP for Fresh Faculty of Technical Institutions.** Organized by MANIT, Bhopal, from 03-10-2005 to 09-10-2005.
- **Object-Oriented Analysis and Design using the UML with Fundamentals of Rational Rose.** Organized by IBM and Department of CSE, MANIT, from 13-12-2005 to 17-12-2005.
- **Workshop on Information Security.** Organized by Department of CSE and IT, MANIT, Bhopal, from 19-12-2005 to 23-12-2005.

UG/PG/Ph.D. Guidance

Under Graduate Projects Supervised

- 2024 ○ **Early Depression using Ensemble Model of SS3 classifier and RoBERTa Model and SVM.** Students: Priyanka Yedle (201112459), Paridhi Gupta (201112424), Niyati Marskole (201112406), Rohan Chouhan (201112429).
- **Poem Retrieval System.** Students: Mohit Verma (201112244), Mihir Mall (201112226), Aditya Kudroli (201112232), Koushik Barde (201112231).
- **Comparative Analysis of RoBERTa and ELECTRA Models for Conversational Chatbot in Depression Management.** Students: Kamatham Kiran (211112034), Rohit Jain (211112418), Natha Geethika Sri (211112241), Darna Teja Manikanta (211112002).

UG/PG/Ph.D. Guidance (continued)

- 2023
 - **Hindi Story Generation using Small Language Model.** Students: Akash KumarSingh (211112421), Uttam Sethi (211112222), Aditya Kumar (211112275), Mohan Kumar (211112270).
 - **A Deep Learning- based Approach for Accident Avoidance through Detection of Distracted Pedestrian using Vehicle and Pedestrian Detection.** Students: Gokul K.Giju (191112083), Albert Jokelin (191112050), Anikeet KC (191112078), Md Anis Ansari (191112054).
 - **Comparative Analysis for Fake News Detector.** Students: Spoorthi Tatikonda (191112445), Konjeti Harika (191112431), Lakavath Sai Arjun (191112439).
 - **DeepFake Video Detection Using Machine Learning.** Students: Pratyush Bansal (191112206), Mayank Dubey (191112209), Naveen Dongre (191112227), Pushpendra Thakur (191112241).
 - **Document Citation Recommendation System using CNN and RNN.** Students: Priyanka Yedle (201112459), Paridhi Gupta (201112424), Nityati Marskole (201112406), Rohan Chouhan (201112429).
 - **Hate Speech Detection.** Students: Mohit Verma (201112244), Mihir Mall (201112226), Aditya Kudroli (201112232), Koushik Barde (201112231).
 - **Speech Emotion Recognition using CNN.** Students: Sunny Choudhary (201112050), Ramvinay Kumar Baitha (201112008), Utkarsh Kumar (201112077), Abhishek Panwar (201112042).
- 2022
 - **Multi-Level Identity Authentication Framework.** Students: Ragini Kalvade (181112256), Raj Mehroliya (181112244), Vanshika Agrawal (181112246).
 - **Sign Language to Text Converter.** Student: Abhishek Sharma (181112068).
 - **Depression Analysis using Text, Speech and Image Classification.** Students: Gokul K.Giju (191112083), Albert Jokelin (191112050), Anikeet KC (191112078), Md Anis Ansari (191112054).
 - **Hybrid Recommendation System.** Students: Gokul Pratyush Bansal (191112206), Mayank Dubey (191112209), Naveen Dongre (191112227), Pushpendra Thakur (191112241).
 - **NMF-Cosine Movie Recommender.** Students: Spoorthi Tatikonda (191112445), Konjeti Harika (191112431), Lakavath Sai Arjun (191112439), Divyansh Tyagi (191112403)
- 2021
 - **Identifying Hate Speech on Internet.** Students: Vedant Mathe (171112231), Pranjal Varshney (171112249)
 - **Electronic Healthcare Record Management using Blockchain.** Student: Ayesha Rashid (171112009)
 - **Sentiment Analysis on Twitter Comments of COVID - 19.** Students: Arpit Kala (171112253), Arjun Chouksey (171112257)
 - **Sentiment Analysis on Twitter Comments of COVID - 19.** Students: Arpit Kala (171112253), Arjun Chouksey (171112257)
 - **Stance Detection with Sentiment Analysis and Sarcasm Detection.** Students: Dishant Pandawria (181112226), Ragini Kalvade (181112256), Raj Mehroliya (181112244), Varshika Agarwal (181112246)
 - **Identifying Hashtags in Disaster Related Twitter Data.** Students: Abhishek Sharma (181112068), Aman Ghadle (181112040), Kshitij Dwivedi (181112046), Swapnil Agarwal (181112028)
- 2020
 - **News Recommendation System.** Students: Akshat Jain (161112026), Harshvardhan (161112289), Kalrav Sharma (161112018), Amit Kumar (161112012)
 - **News Recommendation System.** Students: Akshat Jain (161112026), Harshvardhan (161112289), Kalrav Sharma (161112018), Amit Kumar (161112012)
 - **Answer Prediction Using Question - Answering System.** Students: Vamsi Bhukya (161112257), Maruf Ansari (161112248), Radhekrishan Rathod(161112298)
 - **News Recommendation System.** Students: Ayesha Rashid (171112009), Joanne Daniel (171112005), Pranshu (171112072)

UG/PG/Ph.D. Guidance (continued)

- **Time Series of Sentiment Analysis.** Students: Vedant Mathe (171112231), Pranjal Varshney (171112249), Rahul Pandey (171112301), Gangandeep Singh (171112204)
- **News Recommendation System.** Students: Arjun Chousksey (171112257), Shivandan Mand (171112277), Arpit Kalal (171112353), Sonali Kashyap (171112271), Steve Andrew (171112254)
- 2019 ○ **Prediction using Collaborative Filtering.** Students: AKashish Joshi (151112250)
- **Emoticons based Sentiment Analysis.** Students: Harshita Pathya (151112229), Ankita Ranjan (151112308), Sorosh Gulstani (151112300)
- **Authorship Identification from unstructured texts.** Students: Sunil Patel (151112034), Gaurav Nimje (151112017)
- **Language Modeling - Next Word Prediction.** Students: Rahul Verma (151112021), Varnika Chaturvedi (151112095), Nilesh Dhanawat (151112005), Piyush Situala (151112010)
- **Analysis of Quantum Community Detection Algorithms.** Students: Alluri Lakshmi Keerthana (161112030), Dandru Divya Prashanthi (161112011), Madarapu Soumica (161112087), Riji Thentu (161112080)
- **Visual Question Answering.** Students: Krishna Chaitanya Dunuka (161112282), Renukuntla Monisha (161112285), Kashamshetty Sreekavya (161112292)
- 2018 ○ **Emotion Detection From Text And Images.** Students: Sai Kalyan Gogineni and Group
- **Location Based Recommender System.** Students: Ravuri Amritha Vardhini and Group
- **Semantic Medical Prescription.** Students: Barun Singhania and Group
- **Publication House Identification for a given editorial.** Students: Manasi Pradhan and Group
- **Fake News Detection Using Machine Learning.** Students: Ramya Sri Nemani and Group
- 2017 ○ **Auto - Categorization and Analysis of LMS Support Tickets and Thematic Segmentation of Text and Video.** Student: Shard Kejriwal
- **Predicting the factors affecting internet development using regression analysis.** Students: Swapnil Gavle and Group
- **Deep Web Mining.** Students: Lucky Gupta and Group
- 2016 ○ **Feature Based Opinion Mining.** Students: Prasun Goyal and Group
- **Focused Crawler Using Naive Bayes Mode.** Students: Purva Baradia and Group
- **Document Classification using Multinomial Naive Bayes Model.** Students: Anand Namdev and Group
- 2015 ○ **Building Natural Language Generation System For Dynamic Spatial-Temporal Data.** Students: Harshita Jhavar
- **Twitter Named Entity Recognition.** Students: Gurjot Singh and Group
- **Twitter Named Entity Recognition.** Students: Archit Rastogi and Group
- **Topic Modeling using Latent Dirichlet Allocation.** Students: Sargar Mundra and Group
- 2014 ○ **Product Review Summarization.** Students: Akshay Bansal and Group
- **Automatic Extraction of User Reviews and Their Classification.** Students: Sachin Agarwal and Group
- **Price Comparator Application.** Students: Spandan Pathak and Group
- **Emotion Detection from Text.** Students: Ghanshyam Gehlot and Group
- 2013 ○ **Subjective Analysis from Review.** Students: Shruti Agrawal and Group
- **Ontology Based Information Retrieval System.** Students: Lalit Sapela and Group
- **Subjective Analysis from Reviews.** Students: Shruti Agrawal and Group

UG/PG/Ph.D. Guidance (continued)

- 2012
 - **Semantic Search Engine.** Students: Payal Uikey and Group
 - **Feature Based Product Analysis from Youtube.** Students: Anamik Gautam and Group
 - **Sentiment Analysis of Book Reviews.** Students: Bharti Dwivedi and Group
- 2011
 - **A Complete Stock Market Website.** Students: Ankit Jain and Group
 - **Personalized Web Search.** Students: Monika Aggrawal and Group
- 2010
 - **Solution for Vehicle Routing Problem.** Students: Prajeet Thakur and Group
 - **Traffic Control Simulations Using Human, Boolean and Fuzzy Logic.** Students: P. Varun Chand and Group
 - **Semantic Web: A topic based search engine.** Students: Priyanka Nagpurkar and Group
 - **Disussion FORUM.** Students: Maharshi Choudhury and Group
 - **Study and Implementation of Page Segmentation and Template Detectio.** Students: Himanshu Mungoli and Group
- 2009
 - **Lunar Protocol and its implementation on NS-2.** Students: Ajay Kumar Deo and Group
 - **Implementation of efficient TCP congestion control algorithm in LINUX.** Students: Suraj Neupane and Group
 - **Detection of Content and link Spam.** Students: Kushal Wadhwani and Group
 - **Internet Access Control System.** Students: Waikhom Ningsuhen and Group
- 2008
 - **Automatic number plate recognition System.** Students: Amit Singh Jadaon and Group
 - **Web Search Engine Using Page Rank Algorithm.** Students: Harsh Kothari and group
- 2007
 - **Active Shape Modelling for Lip Tracking.** Students: Amit Saxena and Group
 - **Firewall Configuration using content based filtering for monitoring access.** Students: Divyendu Sen and Group
- 2006
 - **SQL Developer for ORACLE.** Students: Avik Roy and Group

Post Graduate Projects Supervised

- 2024
 - **Textual Adversarial Examples - Attack and Defence.** Student: Mr. Arun Kumar Behra (222112207).
 - **Depression Detection using Social Media Posts.** Student: Mr. Aditya Joshi (222115102).
 - **Braille Letter Prediction for Visually Impaired Users using Federated Learning.** Student: Mr. Shivam Singh (222115116).
 - **Augmenting EEG Data for Robust Depression Detection: A Comparative Study of Machine Learning Models..** Student: Ms. Vaishnavi Bisen (222112312).
 - **Chest X-Ray Image Captioning with Vision Transformer.** Student: Mr. Mayank Bhatt (222115120).
- 2023
 - **Determination for Sense of Target Word in given Context in WIC - TSV Dataset.** Student: MS. Priya Jain (212115107).
 - **Deep Fake Video Detection Towards Generalisation.** Student: Ms. Juhi Kumari (212112202).
 - **Quantitative Analysis of XAI Techniques on COVID - 19 Detection.** Student: Mr. Deepankar Singh (212112220).
 - **Advanced IOT - Based Fire and Smoke Detection System Leveraging Deep Learning and TinyML.** Student: Mr. Vineet Kumar Pandey (212112217).
 - **An Online Learning and Problem Solving (OLPS) EEG Database for Mental Workload Assessment and its Intitial Benchmark ClassificationPerformance.** Student: Mr. Mrinal Kanti Sadhukhan (212112313).

UG/PG/Ph.D. Guidance (continued)

- **An Ensemble of Machine Learning Models for Depression Classification using BERT - Based Features.** Student: Mr. Aditya Porwal (212112208).
- **Efficient Health Information Exchange Automation System Based on Block Chain and Interplanetary File System.** Student: Mr. Rohit Kumar Jarariya (212112112).
- **Offensive Language Detection in Marathi.** Student: Mr. Maslekar Sakshi Shirpad (212112109).
- 2022 ○ **Interpretable Machine Learning Model for Stroke Prediction.** Student: Mr. Yash Rai (202115116).
- **Plant Health Monitoring System by IoT and Deep Learning.** Student: Mr. Mayank Gupta (202112105).
- **Automatic Abnormality Detection in Musculoskeletal Radiographs (MURA) using Ensemble of Pre-Trained Networks.** Student: Ms. Raksha Verma (202112205).
- **ATopic Modeling, Sentiment Analysis and Text Summarization for Analysing News Headlines and Articles.** Student: Mr. Omswroop Thakur (202112310).
- **Automatic Image Caption Generation using Resnet and Torch Vision .** Student: Ms. Vijeta Verma (202112308).
- 2021 ○ **Prostate Cancer Classification using Deep Learning Techniques.** Student: Mr. Bollampally Uma Shankar (192112125).
- **Diabetic Retinopathy Classification using Capsule Networks.** Student: Mr. Sushant Kaushal (192112116).
- **Movie R-CERM: A Hybrid Recommender System for Recommending Movies based on Collaborative Filtering and Eclat Rule Mining.** Student: Ms. Megha Sahu (192115113).
- **Deep Fake Video Detection using Conv- LSTM Network.** Student: Ms. Swathi P (192112126).
- **Brand Logo Detection using YOLO V4 .** Student: Mr. Prateek Dwivedi (192115106).
- **Depression Analysis of Social Media Posts using Deep Learning.** Student: Mr. Keshu Malviya (192112119).
- 2020 ○ **Answer Selection in Communicy Question Answering System.** Student: Ms. Saman Qureshi (182112313).
- **Sentiment Time Series Analysis on US Economic News.** Student: Mr. Vikas Kumar (182112315).
- 2019 ○ **Segmentation and Classification of Brain Tumor MRI Image with Feature Extraction using DWT, GLCM and Hybrid SVM-KNN.** Student: Ms. Bhawna Swarnkar (172112210).
- **Object Detection using Single Shot Multibox Detection Network.** Student: Ms. Noopur Ballal (172112309).
- **Wearable Device using Single Shot Multibox Detection Network.** Student: Ms. Fatema Ahmed (172112301).
- 2018 ○ **Community Detection in Social Network.** Student: Ms. Illiho (162112109).
- **Fraud Detection using Social media network analysis.** Student: Mr. Abhishek Kashyap (162112102).
- **Identification of Emotions from Text using Deep Learning Technique.** Student: Mr. PrathameshApte (162112309).
- **Parallel Frequent Pattern Mining on Natural Language based Social data.** Student: Ms. Shubhangi Chaturvedi (162112319).
- 2017 ○ **Automated Graphics Performance Monitoring Tool.** Student: Mr. Sandeep Pandey (152112107).
- **Concept Mining In Text Documents Using Clustering.** Student: Mr. K.N.S.S.V Prasad (152112215).

UG/PG/Ph.D. Guidance (continued)

- 2016
 - **Text Classification Using Deep Learning Methods.** Student: Ms. Dixa Saxena (152112304).
 - **Exception Handler For ARM Version 8.** Student: Mr. Dinesh Gelhot (142112105).
 - **Multi-Stage Feature Reduction Using Feature Similarity For Text Classification.** Student: Mr. Pankaj Kaushal (142112212).
 - **Unspoken Aspect Extraction In User Generated Contents Using Context Information.** Student: Ms. Remya T (142112107).
- 2015
 - **Weakly Supervised Domain Independent Emotion-Topic Modelling.** Student: Mr. Prabhath Mani Tripathi (132112117).
 - **Hybrid Dimension Reduction Method For Text Classification.** Student: Ms. Seema Narwariya (132112305).
 - **Security Flaws In Payment Card Validation Process-An Enhancement To The Existing System .** Student: Mr. Abhishek Maheshwari (132112216).
 - **Parts Of Speech Tagging For Telugu Language Using HMM Model With Morphological Analyser.** Student: Mr. Venkatarao Mannem (132112213).
- 2014
 - **An Unsupervised Technique For E-Commerce Recommendation System.** Student: Mr. Jaideep Wadhwa (122112317).
 - **A Text Mining Approach: Extracting And Analysing The Sentences.** Student: Mr. Krishan Mohan Garg (122112213).
 - **Knowledge Discovery From Text.** Student: Mr. Pramod Singh (122112210).
- 2013
 - **Polarity Detection From Opinion Sentences Using Hidden Markov Model.** Student: Mr. Trilochan Prasad Dewangan (112112217).
 - **Onto-Lexicon Based Approach For Polarity Detection From Text.** Student: Ms. Apeksha Bhargava (112112123) .
- 2012
 - **Disambiguation Of Identities Using User Ranking In Social Network.** Student: Mr. Mohnish Naidu (102112223).
 - **Emotion Detection From Text Documents Using Ontology.** Student: Mr. Shiv Naresh Shivhare (102112107).
- 2011
 - **Secure Crawl: A Link Encryption Technique To Protect Users Personal Data From On-line Social Networking Sites.** Student: Mr. Chinthu Prasad (092112220).
 - **An Integrated Model For Access Control And Encryption Of Data In Database.** Student: Mr. Sushmit Jain (092112216).

Ph.D. Supervised

Awarded

- 2022
 - Ph.D. Title: **Quantum Machine Learning Based Community Detection in Social Network Analysis.** Ph.D. Scholar: Ms. Sana Akbar. (Supervisor)

Ongoing (Full Time)

- 2019
 - Mr. Chandrabhushan Prasad (Year of joining: 2019) (Supervisor)
 - Ms. Sarita Sani (Year of joining: 2019) (Co-Supervisor)
- 2021
 - Mr. Alok Sahaley (Year of Joining: 2021) (Supervisor)
- 2023
 - Ms. Preeti Tiwari (Year of Joining: 2023) (Supervisor)
- 2025
 - Ms. Rekha Meena (Year of Joining: 2025) (Co-Supervisor)

Ongoing (Part Time)

- 2024
 - Ms. Apeksha Solanki (Year of joining: 2024) (Co-Supervisor)

UG/PG/Ph.D. Guidance (continued)

- Ms. Kushboo (Year of joining: 2024) (Supervisor)
- Mr. Ritu Kumari (Year of Joining: 2021) (Co-Supervisor)

Department Level Responsibilities

2025	○ Department Academic Audit Coordinator.
2024 - till date	○ PG Coordinator (Computer Networking).
2024 – till date	○ Department PG Progress Committee (DPPC) Member.
	○ Department Ph.D. Research Progress Committee (DRPC) Member.
2023 – till date	○ Feedback Coordinator.
2022 – 2024	○ BOG Report/News Letter Coordinator.
2022 – 2023	○ UG Seminar Coordinator.
2022 – 2024	○ Quality Assurance and Academic Audit Coordinator.
2019 – 2022	○ Project Coordinator (Major Project)
2018 – 2021	○ Department Exam Coordinator.
2018 – 2024	○ Department Accreditation Coordinator.
2016 – till date	○ Information Retrieval Lab In-charge.
2016 – 2018	○ PG Coordinator (Computer Networking).
2016 – 2022	○ Department NIRF Coordinator.
2012 – 2016	○ Department UG Progress Committee (DUPC) member.
2010 – 2018	○ Department Annual Report Coordinator.
2009 – 2012	○ Department Time Table Coordinator.
2008 – 2011	○ Department Accreditation Coordinator.
2005 – till date	○ Member Board of Studies (BOS)(CSE).
	○ Tutor Guardian.
2005 – 2014	○ Computer Programming Lab In-Charge.

Institute Level Responsibilities

2024	○ Chairman - 21st Convocation Live Streaming 2024.
2020 - 2024	○ Prof. In-Charge (Website).
2020 – 2024	○ Social Media Co-Coordinator.
2023 – 2024	○ Chairman (Ph.D. Software Development).
2021 - till date	○ Member (Center Computing Facility (CCF)).
2014 – 2018	○ MANIT News Wagon Editorial Board Member.
2012 – 2015	○ CCMT, NIMCET and Ph.D. Admission Committee Member.
2005 – till date	○ Anti Ragging Committee Member.
2005 – 2011	○ Faculty In-charge (Institute Computer Center).

Establishment of Labs

- | | |
|------|------------------------------|
| 2016 | ○ Information Retrieval Lab. |
| | ○ Machine Learning Lab |

Establishment of Labs (continued)

- Computer Vision Lab
- 2021 ○ High Performance Computing Lab.
- Central Computing Lab.
- Data Center.
- Artificial Intelligence Lab.

Outreach Activity

- 2025 ○ **Guest Faculty**, Department of Information Technology, Indian Institute of Information Technology, Bhopal, January- June 2025.
- **Session Chair**, IEEE MANIT Student Branch, proudly presents the International Students' Conference on Electrical, Electronics, and Computer Sciences (SCEECs) scheduled for January 18th and 19th, 2025.
- 2024 ○ **Guest Faculty**, Department of Information Technology, Indian Institute of Information Technology, Bhopal, August-December 2024.
- **Session Chair**, Faculty Development Program (FDP) ON "Natural Language Processing and LLMs", 19th - 29th February 2024. Organized by E and ICT Academy, NIT Warangal in association with Annasaheb Dange College of Engineering and Technology, Ashta, sponsored by the the Ministry of Electronics and Information Technology (MeitY), GOI.
- **Session Chair**, 2nd IEEE International Conference on Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSP 2024) 6th-8th December 2024, Organized by MANIT Bhopal
- **Session Chair**, 2nd IEEE International Conference on "Innovations in High-Speed Communication and Signal Processing (IEEE-IHCSP 2024)" 6th-8th December, 2024. Organized by the Department of ECE, MANIT Bhopal.
- 2023 ○ **Faculty Coordinator**, Ek Bharat Shrestha Bharath - Yuva Sangam, Youth Exchange Program, Minister of Education and AICTE, 11 May 2023 to 16 May 2023.
- **Session Chair**, International Conference on "Innovations in High-Speed Communication and Singal Processing (IEEE-IHCSP 2023)", Department of ECE, MANIT, Bhopal, 04 Mar 2023 - 05 Mar 2023.
- 2022 ○ **Resource Person**, "High-End Workshop on Natural Language Processing with Deep Learning: Application and Research Directions", Atal Bihari Vajpayee University, Bilaspur, Chattisgarh, 18 Jul 2022 - 25 Jul 2022.
- **Session Chair**, "International Conference on Applied Mechanics, Machine Learning and Advanced Computation—AMMLAC 2022", Department of Mechanical Engineering and Department of Computer Science and Engineering, NIT Raipur, 16 Mar 2022–17 Mar 2022.
- **Resource Person**, 10 Days Online Faculty Development Program on "Data Science and Its Applications", Department of Computer Science and Engineering, NIT Warangal and NIT Raipur, 07 Mar 2022 - 16 Mar 2022.
- **Resource Person**, 10 Days Online Faculty Development Program on "Data Science and Its Applications", Department of Computer Science and Engineering, NIT Warangal and NIT Raipur, 10 Jan 2022 - 19 Jan 2022.
- 2019 ○ **Resource Person**, Short Term Training Program on "Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL)", Department of Civil Engineering, MANIT, Bhopal and Department of Electronics and Communication Engineering, 17 Dec 2019 - 28 Dec 2019.
- **Resource Person**, Faculty Development Program on "Data Science and Big Data Analysis", Indira Gandhi National Tribal University, Amarkantak, 26 Aug 2019 - 06 Sep 2019.

Outreach Activity (continued)

- **Resource Person**, Short Term Training Program on "Machine Learning from Theory to Modelling", Department of Biomedical Engineering and Department of Computer Science and Engineering, NIT Raipur, 23 Sep 2019 - 27 Sep 2019.
- **Resource Person**, "Security and Privacy in Digital Era for MANIT Women Faculty and Staff" under TEQIP III, Department of Computer Science and Engineering, MANIT, Bhopal, 22 April 2019-23 April 2019.
- **Resource Person**, "Security and Privacy in Digital Era for MANIT Women Faculty and Staff" under TEQIP III, Department of Computer Science and Engineering, MANIT, Bhopal, 22 April 2019-23 April 2019.
- 2017 ○ **Expert**, Debate Competition on "Whether India Can be Made Corruption Free", Organized by Vigilance Section of MANIT, Bhopal, in Vigilance Awareness Week 2017, 01 November 2017
- 2016 ○ **Session Chair and PC Member**, "Emerging Trends in Artificial Intelligence and Expert Systems", IES College of Technology, Bhopal, 04 April 2016.
- **Session Chair and PC Member**, "SEECS 2016", IEEE International Students' Conference on Electrical, Electronics and Computer Science, MANIT, Bhopal, 05 March 2016 - 06 March 2016.
- 2013 ○ **Resource Person**, Expert Lecture in Workshop "Theory and Practice in Natural Language Processing", Under TEQIP-II, Department of Mathematics and Computer Application, MANIT Bhopal, 03 May 2013 - 01 May 2013.

Skills

- | | |
|-----------|---|
| Languages | ○ Strong reading, writing and speaking competencies for English, Telugu, Hindi. |
| Coding | ○ Java, PHP, Python, R, SQL |
| Databases | ○ MySQL |
| Web Dev | ○ HTML, CSS, JavaScript, Apache Web Server, Tomcat Web Server. |
| Misc. | ○ Academic Research, Teaching, Administrative works. |