

## **Dr. Vikash Yadav**

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### **PROFESSIONAL OBJECTIVE:**

To work in an organization where professionalism and enthusiasm is recognized and to work continuously towards excellence while increasing my technical skills and professional expertise.

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### **EDUCATIONAL QUALIFICATION:**

- **Intermediate** in 2004 with 65.80% from Nand Lal Khanna Vidya Mandir Inter College, Kanpur (U. P. Board).
- **High School** in 2002 with 66% from Prakash Vidya Mandir Higher Secondary School, Kanpur (U. P. Board).

### **TECHNICAL QUALIFICATION:**

- **Ph.D** (Computer Science & Engineering) in 2017 from Dr. A.P.J. Abdul Kalam Technical University (Formerly UPTU), Lucknow (U.P.), work place at Harcourt Butler Technical University (Formerly HBTI), Kanpur.
- **M.Tech** (Software Engineering) in 2013 with 62.50% (6.25 CPI) from Motilal Nehru National Institute of Technology, Allahabad (U.P.).
- **B.Tech** (Computer Science & Engineering) in 2009 with 73.46% from Dr. Ambedkar Institute of Technology for Handicapped, Kanpur affiliated to Dr. A.P.J. Abdul Kalam Technical University (Formerly UPTU), Lucknow (U.P.).

### **EXPERIENCE:**

- Currently working as a Lecturer Computer in the Board of Technical Education, Uttar Pradesh since December 2021.
- One and a half Years Teaching Experience from April 2020 to December 2021 as an Assistant Professor (Selection Grade) in the Department of Computer Science & Engineering, ABES Engineering College, Ghaziabad (U.P.).
- Two Years Teaching Experience from June 2018 to March 2020 as an Assistant Professor in the Department of Computer Science & Engineering, ABES Engineering College, Ghaziabad (U.P.).

- One Year Teaching Experience from July 2017 to May 2018 as a Guest Lecturer in the Department of Computer Science & Engineering, Harcourt Butler Technical University (Formerly HBTI), Kanpur (U.P.).
- Three Years and three month's Teaching cum Research Experience from April 2014 to July 2017 as a Teacher Fellow (Research Scholar) in the Department of Computer Science & Engineering, Harcourt Butler Technical University (Formerly HBTI), Kanpur (U.P.).
- One Year Teaching Experience from July 2013 to April 2014 as a Guest Lecturer in Dr. Bhim Rao Ambedkar Engineering College of Information Technology, Bijnor affiliated to Dr. A.P.J. Abdul Kalam Technical University (Formerly UPTU), Lucknow (U.P.) at HBTI Kanpur Campus.
- One Year Teaching Experience from August 2010 to July 2011, as a Lecturer in J.S. Institute of Management & Technology, Shikohabad affiliated to Dr. A.P.J. Abdul Kalam Technical University (Formerly UPTU), Lucknow (U.P.).

#### **AREA OF INTEREST:**

- Data Structure
- Compiler Design
- Operating System
- Digital Image Processing

#### **THESIS WORK & ACADEMIC PROJECT:**

- **Ph.D Thesis Title:** Content Based Retrieval of Skin Disease (Melanoma) from Medical Image Database.

**Platform:** MATLAB

**Abstract:** Our aim is to detect Melanoma, one of the skin disease from medical images and those images are stored in a database via using ABCD feature extraction technique namely Asymmetry, Border Irregularity, Color and Diameter of the skin. And extract those cases from the database with the help of graph similarity measure technique which can discover interesting patterns as well as descriptive, understandable models from large scale medical image data for the doctors.

- **M.Tech Thesis Title:** Location based Search and Selection of Technical Institutions.

**Platform:** PHP as Front end and My SQL as Back end.

**Abstract:** It has become a challenging task to search and select a technical institution which offers quality education at affordable cost. This problem has increased many folds due to rapid growth in number of institutions. Web search engines and education portal are not much help in Indian context. I had designed a website to help students and their parents in searching and selecting an Institute based on its location. Institutions can be searched Region, State and City

wise. Search results are also displayed on Google map along with summary about the institutes.

➤ **B.Tech Project Title:** On Line Survey.

**Platform:** JSP as Front end and MS Access as Back end.

**Abstract:** In this project I had create a pool of several questionnaire from different fields and that questionnaire contains all objective types of questions with three options “Yes”, “No” and “Don’t Know”. User has to give the best suited answer of a particular question and their responses were saved in the database and those several responses collected from several people were used to conclude a result of the provided question.

### **INDUSTRIAL TRAINING:**

➤ Training of 4 weeks on Enterprise Resource Planning from HAL TAD Kanpur Nagar, July 07 to August 02, 2008.

### **EXAM QUALIFIED:**

➤ CBSE- UGC NET Qualified for Assistant Professor (July-2016).

### **MEMBERSHIP:**

➤ Life Time Member of International Association of Engineers (IAENG), (Membership No: 133666).

➤ Life Time Member of Computer Society of India (CSI), (Membership No: I1505076).

➤ Editorial Board Member of SCIREA Journal of Information Science and Systems Science.

➤ Editorial Review Board Member of International Journal of Information Technologies and Systems Approach (IJITSA), IGI Global.

### **PHD SUPERVISION: 01**

#### **Completed: 01**

➤ Chandrajeet Yadav (Enrollment No. MUIT0117038038), “**Trusted Cloud Service Framework to Secure Cloud Computing**”, Maharishi University of Information Technology, Sitapur Road, Lucknow, India, February 2022.

### **M.TECH SUPERVISION: 01**

#### **Completed: 01**

➤ Akanksha Sharma (Roll No. 1803210501), “**Impact of Morphology in data Retrieval in Hindi Language**”, Dr. A.P.J. Abdul Kalam Technical University, Lucknow, 2018-20.

## EDITED SPECIAL ISSUE's OF JOURNALS & BOOKS: 05

- **Vikash Yadav et al**, Special Issue on “**Recent Developments in Computational Intelligence and Communication Technology using Machine Learning Techniques**”, Bentham Science Publisher, Singapore, In Press.
- **Vikash Yadav et al**, Book on, “**Recent Developments in Artificial Intelligence & Communication Technologies**”, ISBN: 978-1-68108-967-6 (Online), ISBN: 978-1-68108-968-3 (Print), DOI: 10.2174/97816810896761220101, Bentham Science Publisher, Singapore, October 2022.
- **Vikash Yadav et al**, Special Issue on “**Recent Developments in Communication Technology using Machine Learning Techniques**”, International Journal of Electrical & Electronics Research, Forex Publication, ISSN 2347-470X, May 2022, Indexed in **Scopus**.
- **Vikash Yadav et al**, Book on “**Process Mining Techniques for Pattern Recognition: Concepts, Theory, and Practice**”, ISBN 9780367770495, CRC Press, Taylor & Francis, February 2022.
- **Vikash Yadav et al**, Special Issue on "**Recent Advances in Intelligent Systems and Communication**", Intelligent Automation & Soft Computing, Tech Science Press Publisher, ISSN online: 2326-005X, ISSN print: 1079-8587, 2021, Indexed in **SCIE & Scopus**.

## RESERCH PAPERS/PUBLICATIONS: 86

### INTERNATIONAL JOURNALS: 46

- Amrita Jyoti, **Vikash Yadav et al**, “**Blockchain for Big Data: Approaches, Opportunities and Future Directions**”, Recent Advances in Electrical & Electronic Engineering, Bentham Science Publication, ISSN online: 2352-0973 ISSN print: 2352-0965, Indexed in **Scopus**, DOI: 10.2174/2352096516666230607104537.
- Vimal Kumar, **Vikash Yadav et al**, “**Prevention of Blackhole Attack in MANET using Certificate less Signature Scheme**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 81, No. 10, pp. 1061-1072, October 2022, India, Impact Factor: 0.055, Indexed in **Scopus, SCIE**, DOI: 10.56042/jsir.v81i10.57471.
- Vaishali Deshwal, **Vikash Yadav et al**, “**Estimating COVID-19 Cases Using Machine Learning Regression Algorithms**”, Recent Advances in Electrical & Electronic Engineering, Bentham Science Publication, ISSN online: 2352-0973 ISSN print: 2352-0965, Vol. 15, No. 5, pp. 390-400, August 2022, UAE, Indexed in **Scopus**, DOI: 10.2174/2352096515666220610155214.
- Jay Kant Pratap Singh Yadav, **Vikash Yadav et al**, “**Optimization of Hopfield networks for storage and recall: A decade Review**”, International Journal of Advanced Intelligence

Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 21, No. 3/4, pp. 321-329, April 2022, U.K., Impact Factor: 1, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2022.122197.

- Mayur Rahul, **Vikash Yadav** et al, “**A New Hybrid Approach for Efficient Emotion Recognition using Deep Learning**”, International Journal of Electrical & Electronics Research, Forex Publications, ISSN: 2347-470X, Vol. 10, No. 1, pp. 18-22, March 2022, Indexed in **Scopus**, DOI: 10.37391/IJEER.100103.
- **Vikash Yadav** & Indresh Kumar Gupta, “**Modified Adaptive Inertia Weight Particle Swarm Optimization for Data Clustering**”, International Journal of Innovative Computing and Applications (IJICA), InderScience Publication, ISSN online: 1751-6498, ISSN print: 1751-648X, Vol. 13, No. 1, pp. 34-40, March 2022, U.K., Impact Factor: 0.6, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJICA.2022.121387.
- Rohit Rastogi, **Vikash Yadav** et al, “**Statistical Analysis of EMG & GSR Biofeedback Efficacy On Different Modes for Chronic TTH on Various Indicators**”, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 21, No. ½, pp. 109-128, February 2022, U.K., Impact Factor: 1, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2022.121033.
- Chandrajeet Yadav, **Vikash Yadav** et al, “**Secure and Reliable Data sharing scheme using Attribute-based Encryption with weighted attribute-based Encryption in Cloud Environment**”, International Journal of Electrical & Electronics Research, Forex Publications, ISSN: 2347-470X, Vol. 9, No. 3, pp. 48-56, January 2022, Indexed in **Scopus**, DOI: 10.37391/IJEER.090305.
- Swarnima Singh & **Vikash Yadav**, “**An Improved Particle Swarm Optimization for Prediction of Accident Severity**”, International Journal of Electrical & Electronics Research, Forex Publications, ISSN: 2347-470X, Vol. 9, No. 3, pp. 42-47, January 2022, Indexed in **Scopus**, DOI: 10.37391/IJEER.090304.
- Nidhi Sindhwani & **Vikash Yadav** et al, “**Performance Analysis of Deep Neural Networks using Computer Vision**”, EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, European Alliance for Innovation Publication, ISSN: 2410-0218, Vol. 8, No. 29, e3, pp. 1-11, November 2021, Indexed in **Scopus**, DOI: 10.4108/eai.13-10-2021.171318.
- Pooja Gupta & **Vikash Yadav** et al, “**Student’s Perception towards Mobile Learning using Internet Enabled Mobile Devices during COVID-19**”, EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, European Alliance for Innovation Publication, ISSN: 2410-0218, Vol. 8, No. 29, e1, pp. 1-17, November 2021, Indexed in **Scopus**, DOI: 10.4108/eai.16-9-2021.170958.

- Uzair Khan & **Vikash Yadav**, “**A Study based on Structural needs and Smart Tools using IoT for developing a Smart City**”, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 20, No. ½, pp. 210-220, September 2021, U.K., Impact Factor: 1, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2021.117617.
- Rati Shukla & **Vikash Yadav et al**, “**Detecting Crop Health using Machine Learning Techniques in Smart Agriculture System**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 80, No. 8, pp. 699-706, August 2021, Impact Factor: 1.056, Indexed in **Scopus**, **SCIE**.
- Aprna Tripathi & **Vikash Yadav et al**, “**Multi-Objective ANT Lion Optimization Algorithm Based Mutant Test Case Selection for Regression Testing**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 80, No. 7, pp. 582-592, July 2021, Impact Factor: 1.056, Indexed in **Scopus**, **SCIE**.
- Garima Bakshi & **Vikash Yadav et al**, “**An Optimized Approach for Feature Extraction in Multi-Relational Statistical Learning**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 80, No. 6, pp. 537-542, June 2021, Impact Factor: 1.056, Indexed in **Scopus**, **SCIE**.
- Chandrajeet Yadav, **Vikash Yadav et al**, “**Authentication, Access Control, VM Allocation and Energy efficiency towards Securing Computing Environments in Cloud Computing**”, Annals of the Romanian Society for Cell Biology, Association of Cell Biology Romania Publication, ISSN 1583-6258, Vol. 25, No. 6, pp. 17939-17954, June 2021.
- Chandrajeet Yadav, **Vikash Yadav et al**, “**AES-Light Weight CP–ABE Based Privacy Protection Framework with Effective Access Control Mechanism in Cloud Framework**”, Design Engineering, Rogers Media Publishing Ltd., ISSN 0011-9342, Vol. 2021, No. 6, pp. 2321-2336, June 2021.
- Dinesh Kumar Yadav, **Vikash Yadav et al**, “**An Efficient Collaborative Recommender System for Textbooks using Silhouette index and K-Means Clustering Technique**”, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 19, No. 2, pp. 233-242, May 2021, U.K., Impact Factor: 1, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2021.115251.
- Uzair Khan & **Vikash Yadav et al**, “**Application of Multi Criteria Decision Making tools in Selection of Concrete Mix**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 80, No. 4, pp. 304-309, April 2021, Impact Factor: 1.056, Indexed in **Scopus**, **SCIE**.
- Mansi Gupta & **Vikash Yadav et al**, “**Proposed Framework for Dealing COVID-19 Pandemic Using Block chain Technology**”, Journal of Scientific and Industrial Research

(JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 80, No. 3, pp. 270-275, March 2021, Impact Factor: 1.056, Indexed in **Scopus, SCIE**.

- Amit Gupta, **Vikash Yadav** et al, “**Hybrid Intelligence Model on the Second Generation Neural Network**”, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 18, No. 3, pp. 398-416, February 2021, U.K., Impact Factor: 1, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2021.113334.
- **Vikash Yadav** et al, “**A New Approach for Movie Recommender System using K-means Clustering and PCA**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol 80, No. 2, pp. 159-165, February 2021, Impact Factor: 1.056, Indexed in **Scopus, SCIE**.
- **Vikash Yadav** et al, “**A New Efficient Method for the detection of intrusion in 5G and beyond Networks using Machine Learning**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 80, No. 1, pp. 60-65, January 2021, Impact Factor: 1.056, Indexed in **Scopus, SCIE**.
- Nidhi Vardhan, **Vikash Yadav** et al, “**Integrated Cloud Compiler with Plagiarism Checker**”, Advances and Applications in Mathematical Sciences, Mili Publication, ISSN 0974-6803, Vol. 20, No. 3, pp. 391-397, January 2021, India, Indexed in **ESCI, UGC CARE**.
- Shashank Gaurav Singh, **Vikash Yadav** et al, “**Analysis of Stack Overflow data using Web portal**”, Advances and Applications in Mathematical Sciences, Mili Publication, ISSN 0974-6803, Vol. 20, No. 3, pp. 383-389, January 2021, India, Indexed in **ESCI, UGC CARE**.
- Ritik Gupta, **Vikash Yadav** et al, “**Sentimental Analysis on Text Data**”, Advances and Applications in Mathematical Sciences, Mili Publication, ISSN 0974-6803, Vol. 20, No. 3, pp. 361-366, January 2021, India, Indexed in **ESCI, UGC CARE**.
- **Vikash Yadav** et al, “**A New Improved Approach for Feature Generation and Selection in Multi-Relational statistical modeling using machine learning**”, Journal of Scientific and Industrial Research (JSIR), Scientific Publishers, ISSN online: 0975-1084, ISSN print: 0022-4456, Vol. 79, No. 12, pp. 1095-1100, December 2020, India, Impact Factor: 1.056, Indexed in **Scopus, SCIE**.
- Puneet Kumar Goyal, **Vikash Yadav** et al, “**SVM Classifier for Early Diagnosis of Malignant Melanoma**”, International Journal of Control and Automation (IJCA), Science and Engineering Research Support Society Publication, ISSN: 2005-4297, Vol. 13, No. 2, pp. 1344-1352, October 2020, Australia.
- Swarnima Singh & **Vikash Yadav**, “**Face Recognition using HOG Feature Extraction and SVM Classifier**”, International Journal of Emerging Trends in Engineering Research (IJETER), World Academy of Research in Science and Engineering Publication,

ISSN: 2347 - 3983, Vol. 8, No. 9, pp. 6437-6440, September 2020, India, Indexed in **Scopus**, DOI: 10.30534/ijeter/2020/244892020.

- Akanksha Sharma & **Vikash Yadav**, “**Impact of Morphology on the performance of Search Engine while retrieving information in Hindi Language**”, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), World Academy of Research in Science and Engineering Publication, ISSN: 2278 – 3091, Vol. 9, No. 4, pp. 4182-4188, July-August 2020, India, Indexed in **Scopus**, DOI: 10.30534/ijatcse/2020/02942020.
- **Vikash Yadav** et al, “**Home Automation System using Raspberry Pi Zero W**”, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 16, No. 2, pp. 216-226, March 2020, U.K., Impact Factor: 0.63, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2020.107023.
- Akanksha Sharma & **Vikash Yadav**, “**Approaches to Part of Speech Tagging in Hindi Language: A Review**”, International Journal of Advanced Science and Technology (IJAST), Science and Engineering Research Support Society Publication, ISSN online: 2207-6360, ISSN print: 2005-4238, Vol. 29, No. 5s, pp. 283-291, March 2020, Australia, Indexed in **Scopus**.
- Abhishek Agnihotri, **Vikash Yadav** et al, “**Role of Data Mining and Machine Learning Techniques in Medical Imaging**”, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 15, No. 3, pp. 340-351, March 2020, U.K., Impact Factor: 0.63, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2020.105838.
- Parashu Ram Pal, **Vikash Yadav** et al, “**Classification of Pruning Methodologies for Model Development using Data Mining Techniques**”, International Journal of Engineering and Advanced Technology (IJEAT), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2249-8958, Vol. 9, Issue 2, pp. 2043-2047, December 2019.
- **Vikash Yadav** et al, “**Vehicle Recognition based on Support Vector Machine**”, International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2277-3878, Vol. 8, Issue 4, pp. 9513-9515, November 2019.
- Indresh Gupta, **Vikash Yadav** et al, “**Medical Data Clustering Based on Particle Swarm Optimization and Genetic Algorithm**”, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 14, No. 3/4, pp. 345-358, November 2019, U.K., Impact Factor: 0.38, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2019.103451.



- **Vikash Yadav & Rati Shukla, “Human Behavioral Analyzer using Machine Learning Technique”**, International Journal of Engineering and Advanced Technology (IJEAT), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2249-8958, Vol. 8, Issue 6, pp. 5150-5154, August 2019 & Indexed in **Scopus**, Copernicus & Google Scholar.
- **Vikash Yadav & Indresh Kumar Gupta, “A Hybrid Approach to Metamorphic Cryptography using KIMLA and DNA Concept”**, International Journal of Computational Systems Engineering (IJCSysE), InderScience Publication, ISSN online: 2046-3405, ISSN print: 2046-3391, Vol. 5, Issue 4, pp. 218-229, August 2019, U.K., Indexed in Asian Digital Library & Google Scholar.
- **Vikash Yadav et al, “Identification of an Object in Image using Frame Differencing, Optical Flow and Support Vector Machine”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2278-3075, Vol. 8, Issue 8, pp. 2938-2942, June 2019 & Indexed in **Scopus**, Copernicus & Google Scholar.
- Rati Shukla, **Vikash Yadav et al, “Machine Learning Techniques for Detecting and Predicting Breast Cancer”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2278-3075, Vol. 8, Issue 7, pp. 2658-2662, May 2019 & Indexed in **Scopus**, Copernicus & Google Scholar.
- Monika Verma, **Vikash Yadav et al, “Multiple Polynomial Regression for Solving Atmospheric Scattering Model”**, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 12, No. 3/4, pp. 400-410, March 2019, U.K., Impact Factor: 0.38, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2019.098604.
- **Vikash Yadav et al, “A Study on Automatic Early Detection of Skin Cancer”**, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 12, No. 3/4, pp. 392-399, March 2019, U.K., Impact Factor: 0.38, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2019.098592.
- Pankaj Pathak, **Vikash Yadav et al, “Humanitarian Impact of Drones in Healthcare and Disaster Management”**, International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2277-3878, Vol. 7, Issue 5, pp. 201-205, January 2019 & Indexed in **Scopus**, Copernicus & Google Scholar.
- **Vikash Yadav et al, “Detection of Melanoma Skin Disease by Extracting High Level Features for Skin Lesions”**, International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, ISSN online: 1755-0394, ISSN print: 1755-0386, Vol. 11, No. 3/4, pp. 397-408, September 2018, U.K., Impact Factor: 0.38, UGC approved journal & Indexed in ACM Digital Library & **Scopus**, DOI: 10.1504/IJAIP.2018.095493.

- **Vikash Yadav et al, “An Approach for Pixel based Binarization of Gray Images”**, International Journal of Research in Engineering and Technology (IJRET), eISSN: 2319-1163 | pISSN: 2321-7308, Volume: 5 Special Issue: 6, pp. 1-4, May 2016, Indexed in Copernicus & Google Scholar.
- **Vikash Yadav et al, “A Survey paper on Wireless Access Protocol”**, International Journal of Computer Science and Information Technologies (IJCSIT), ISSN: 0975-9646, Vol. 6, Issue 4, pp. 3527-3534, July 2015, Indexed in DOAJ, Copernicus & Google Scholar.

#### **INTERNATIONAL CONFERENCES: 16**

- Zaheer Abbas Siddiqui, **Vikash Yadav et al, “Identification & Spatio-Temporal Observation of Public Transports for Semi-urban Regions”**, 4<sup>th</sup> Doctoral Symposium on Computational Intelligence (DOSCI-2023), organized by Institute of Engineering & Technology, Lucknow and Bhagwan Parshuram Institute of Technology, Delhi, India in association with University of Calabria, Italy, March 03, 2023.
- Mayur Rahul, **Vikash Yadav et al, “Garment defect detection system based on histogram using deep learning”**, 4<sup>th</sup> Doctoral Symposium on Computational Intelligence (DOSCI-2023), organized by Institute of Engineering & Technology, Lucknow and Bhagwan Parshuram Institute of Technology, Delhi, India in association with University of Calabria, Italy, March 03, 2023.
- Poonam Rani, **Vikash Yadav et al, “Energy Efficient Data Transmission in Wireless Body Area Network (WBAN)”**, 9<sup>th</sup> International workshop on Soft Computing Applications (SOFA-2020), organized by Aurel Vlaicu University of Arad, Romania, November 27-29, 2020.
- Mayur Rahul, **Vikash Yadav et al, “Assessing the rigidity of separate regions in a multiple object moving scene in video”**, 9<sup>th</sup> International workshop on Soft Computing Applications (SOFA-2020), organized by Aurel Vlaicu University of Arad, Romania, November 27-29, 2020.
- Mayur Rahul, **Vikash Yadav et al, “Impact of Similarity Measures in K-means Clustering Method used in Movie Recommender Systems”**, 1<sup>st</sup> International Conference on Computational Research and Data Analytics (ICCRDA-2020), jointly organized by Suleyman Demirel University and Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India, October 24, 2020 in IOP Conf. Ser.: Mater. Sci. Eng. **1022** 012101, DOI: 10.1088/1757-899X/1022/1/012101.
- Mayur Rahul, **Vikash Yadav et al, “Movie Recommender System using Single Value Decomposition and K-means clustering”**, 1<sup>st</sup> International Conference on Computational Research and Data Analytics (ICCRDA-2020), jointly organized by Suleyman Demirel University and Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India, October 24, 2020 in IOP Conf. Ser.: Mater. Sci. Eng. **1022** 012100, DOI: 10.1088/1757-899X/1022/1/012100.

- Rati Shukla, **Vikash Yadav** et al, “**Input Data Characterization Using Machine Learning and Deep Learning**”, 1<sup>st</sup> International Conference on Computational Research and Data Analytics (ICCRDA-2020), jointly organized by Suleyman Demirel University and Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India, October 24, 2020 in IOP Conf. Ser.: Mater. Sci. Eng. **1022** 012012, DOI: 10.1088/1757-899X/1022/1/012012.
- Humera Parveen, **Vikash Yadav** et al, “**A Particle Swarm Optimization Strategy using QSAR modeling on the Second generation Neural Network**”, IEEE International Conference on Advances in Computing, Communication Control & Networking (ICACCCN-2018), ISBN: 978-1-5386-4119-4, pp. 1188-1199, Organized by Department of CSE, IT & MCA at Galgotias College of Engineering & Technology, Greater Noida, India on October 12-13, 2018, DOI: 10.1109/ICACCCN.2018.8748700.
- **Vikash Yadav** et al, “**Various Color and Texture Based Feature Extraction Techniques for Image Recognition**”, International Conference on Innovative Entrepreneurship and Startup (ICIES-2017), ISBN: 978-93-86256-55-3, pp. 1-6, Organized by Department of Electronics Engineering at Kamla Nehru Institute of Technology, Sultanpur, India on March 03-04, 2017.
- Bhupesh Rawat, **Vikash Yadav**, “**Data Mining in E-learning to improve learner’s performance**” International Conference on Recent Trends in Science and Technology (ICRTST-2017), ISBN: 978-93-5267-540-1, pp. 8-14, Organized by Kalicharan Nigam Institute of Technology, Banda, India on February 11-12, 2017.
- **Vikash Yadav** et al, “**A Biometric approach to Secure Big Data**”, International Conference on Innovation and Challenges in Cyber Security (ICICCS-2016), ISBN: 978-93-84935-69-6, pp. 75-79, Organized by Department of Computer Science & Engineering, Technically Co-Sponsor by IEEE UP-Section at Amity University, Greater Noida, India on February 03-05, 2016.
- **Vikash Yadav** et al, “**A Hybrid Image Compression Technique for Medical Images**”, 7<sup>th</sup> IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2015), ISBN: 978-1-5090-0076-0, pp. 222-227, Organized by Machine Intelligence Research Labs, Gwalior at Gyan Ganga Group of Institutions, Jabalpur, India on December 12-14, 2015.
- Monika Verma, **Vikash Yadav** et al, “**Addition of Yellow Frequency in the Spectrum for Improving Vision due to Fog**”, IEEE International Conference on Applied and Theoretical Computing and Communication Technology (ICATCCT-15), ISBN: 978-1-4673-9222-8, pp. 877-881, Organized by Bapuji Institute of Engineering and Technology, Devangere, Karnataka, India on October 29-31, 2015.
- **Vikash Yadav** et al, “**Big Data Analytics for Health Systems**”, IEEE International Conference on Green Computing and Internet of Things (ICGCIOT-15), ISBN: 978-1-4673-7909-0, pp. 253-258, Organized by Department of Computer Science & Engineering at

Galgotias College of Engineering & Technology, Greater Noida, India on October 08-10, 2015.

- **Vikash Yadav et al, “Design and Implementation of Real Time Content Sharing Using Smart Phones”**, International Conference on Modeling and Computing (ICMC-2014) Organized by Department of Computer Science, Babasaheb Bhimrao Ambedkar University, Lucknow, India on July 10-11, 2014.
- Satyendra Kumar, **Vikash Yadav et al, “Software Quality Prediction Techniques Based on Classification and Regression Tree: A Study”**, International Conference on Modeling and Computing (ICMC-2014) Organized by Department of Computer Science, Babasaheb Bhimrao Ambedkar University, Lucknow, India on July 10-11, 2014.

#### **NATIONAL CONFERENCES: 10**

- Manjula Shukla, **Vikash Yadav et al, “Head Gesture Recognition: A Literature Review”**, 6<sup>th</sup> National Conference on Information Technology for Business Transformation (ITBT-2019) Organized by Ajay Kumar Garg Engineering College, Ghaziabad, India on November 08-09, 2019.
- Kundan Kumar, **Vikash Yadav, “Student Performance Prediction: A Study”**, National Conference on Intelligent Computing, Communication and Data Science (NCICCD-2018) Organized by Department of Computer Science & Engineering at Harcourt Butler Technical University, Kanpur, India on November 29-30, 2018.
- Manan Arora, **Vikash Yadav et al, “A Study of Haar Cascade Algorithm for Obstacle detection in Real Time Domain”**, National Conference on Intelligent Computing, Communication and Data Science (NCICCD-2018) Organized by Department of Computer Science & Engineering at Harcourt Butler Technical University, Kanpur, India on November 29-30, 2018.
- **Vikash Yadav et al, “Security in Bluetooth, CDMA and UMTS”**, National Conference on Recent Advances in Information and Communication Technologies (RAICT-2017) Organized by Department of Computer Science & Engineering at Harcourt Butler Technical University, Kanpur, India on March 25-26, 2017.
- Monika Verma, **Vikash Yadav et al, “Haze Removal of a Single Image by estimating depth using Quadratic model”**, National Conference on Recent Advances in Information and Communication Technologies (RAICT-2017), ISBN: 978-93-86256-82-9, Organized by Department of Computer Science & Engineering at Harcourt Butler Technical University, Kanpur, India on March 25-26, 2017.
- **Vikash Yadav et al, “A Survey Paper on GSM Security”**, National Conference on Information Security Challenges (NCISC-2016). ISBN: 978-93-85304-35-4, pp. 80-89, Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow, India on February 24, 2016.

- **Vikash Yadav** et al, “**Secure Communication in WLAN**”, National Conference on Internet Security and Cyber Laws (NCISCL-2014), pp. 157-161, Organized by Department of Computer Science & Engineering at Harcourt Butler Technological Institute, Kanpur, India on April 05-06, 2014.
- Gaurav Sachan, **Vikash Yadav** et al, “**Secure Mobile Commerce**”, National Conference on Internet Security and Cyber Laws (NCISCL-2014), pp. 187-192, Organized by Department of Computer Science & Engineering at Harcourt Butler Technological Institute, Kanpur, India on April 05-06, 2014.
- **Vikash Yadav** et al, “**A Study of Energy-Aware Behavior of Proactive and Reactive Routing Protocols for Mobile Ad Hoc Networks**”, National Conference on Global Innovation In Technology & Management (GITM–2013), ISBN: 978-81-923750-1-4, Organized by Dev Bhoomi Group of Institutions, Saharanpur, India on April 28, 2013.
- Anil Kumar, **Vikash Yadav** et al, “**Trust and Reputation based E-Learning using the Service Oriented Architecture**”, National Conference on Global Innovation in Technology & Management (GITM–2013), ISBN: 978-81-923750-1-4, Organized by Dev Bhoomi Group of Institutions, Saharanpur, India on April 28, 2013.

#### **BOOK CHAPTERS: 14**

- Shukla, R., Shrivastava, R., Sinha, S., Mishra, A., **Yadav, V.** (2023), “**Incorporation of Secure Channel Communications Over Multi-tenant Database**”, In: Dutta, P., Chakrabarti, S., Bhattacharya, A., Dutta, S., Piuri, V. (eds) Emerging Technologies in Data Mining and Information Security. Lecture Notes in Networks and Systems, Vol. 491, pp. 587-595, ISBN: 978-981-19-4193-1, Springer, Singapore, September 29, 2022, [https://doi.org/10.1007/978-981-19-4193-1\\_57](https://doi.org/10.1007/978-981-19-4193-1_57).
- Pathak, P., **Yadav, V.**, Pillai, S., Das, S., Kansal, G. (2023), “**Unveiling the Success Behind Tesla’s Digital Marketing Strategy**”, In: Dutta, P., Chakrabarti, S., Bhattacharya, A., Dutta, S., Piuri, V. (eds) Emerging Technologies in Data Mining and Information Security. Lecture Notes in Networks and Systems, Vol. 491, pp. 251-260, ISBN: 978-981-19-4193-1, Springer, Singapore, September 29, 2022, [https://doi.org/10.1007/978-981-19-4193-1\\_24](https://doi.org/10.1007/978-981-19-4193-1_24).
- Rahul, M., Tiwari, N., Shukla, R., Kaleem, M., **Yadav, V.** (2023), “**Deep Learning-Based Emotion Recognition Using Supervised Learning**”, In: Dutta, P., Chakrabarti, S., Bhattacharya, A., Dutta, S., Shahnaz, C. (eds) Emerging Technologies in Data Mining and Information Security. Lecture Notes in Networks and Systems, Vol. 490, pp. 237-245, ISBN: 978-981-19-4052-1, Springer, Singapore, September 16, 2022, [https://doi.org/10.1007/978-981-19-4052-1\\_25](https://doi.org/10.1007/978-981-19-4052-1_25).
- Pathak, P., Pal, P.R., Maurya, R.K., Rishabh, Rahul, M., **Yadav, V.** (2023), “**Assessment of Compliance of GDPR in IT Industry and Fintech**”, In: Singh, P.K., Wierzchoń, S.T., Tanwar, S., Rodrigues, J.J.P.C., Ganzha, M. (eds) Proceedings of Third International Conference on Computing, Communications, and Cyber-Security. Lecture Notes in Networks

and Systems, Vol. 421, pp. 703-713, ISBN: 978-981-19-1142-2, Springer, Singapore, July 03, 2022, [https://doi.org/10.1007/978-981-19-1142-2\\_55](https://doi.org/10.1007/978-981-19-1142-2_55).

- Pathak, P., Shukla, R., Jain, H., **Yadav, V.**, Pal, P.R., Rishabh (2022), “**Amazon Alexa and Its Challenges to Reach More Households**”, In: Gao, XZ., Tiwari, S., Trivedi, M.C., Singh, P.K., Mishra, K.K. (eds) Advances in Computational Intelligence and Communication Technology. Lecture Notes in Networks and Systems, Vol. 399, pp. 1-12, ISBN: 978-981-16-9756-2, Springer, Singapore, April 06, 2022, [https://doi.org/10.1007/978-981-16-9756-2\\_1](https://doi.org/10.1007/978-981-16-9756-2_1).
- Tewari, A., Tripathi, B.K., **Yadav, V.** (2022), “**Applications of High Dimensional Neural Networks: A Survey**”, In: Tiwari, S., Trivedi, M.C., Kolhe, M.L., Mishra, K., Singh, B.K. (eds) Advances in Data and Information Sciences. Lecture Notes in Networks and Systems, Vol. 318, pp. 131-142, ISBN: 978-981-16-5689-7, Springer, Singapore, February 08, 2022, [https://doi.org/10.1007/978-981-16-5689-7\\_12](https://doi.org/10.1007/978-981-16-5689-7_12).
- Rani, P., Dumka, A., Yadav, R., **Yadav, V.** (2022), “**Enhanced Combined Multiplexing Algorithm (ECMA) for Wireless Body Area Network (WBAN)**”, In: Gupta, D., Khanna, A., Kansal, V., Fortino, G., Hassanien, A.E. (eds) Proceedings of Second Doctoral Symposium on Computational Intelligence . Advances in Intelligent Systems and Computing, Vol. 1374, pp. 93-101, ISBN: 978-981-16-3346-1, Springer, Singapore, September 20, 2021, [https://doi.org/10.1007/978-981-16-3346-1\\_8](https://doi.org/10.1007/978-981-16-3346-1_8).
- Vikash Yadav et al, “**Healthcare, IoT, and Big Data Support**”, “**Empowering Artificial Intelligence through Machine Learning New Advances and Applications**”, Print ISBN: 9781771889308, pp. 57-81 Published by “CRC Press & Apple Academic Press”, July 2021.
- Mayur Rahul, **Vikash Yadav** et al, “**A Survey on State-of-the-art of Cloud Computing, its Challenges and Solutions**”, Proceedings of International Conference on “Recent Trends in Communication & Electronics (ICCE-2020), ISBN: 9781003193838, Available in “**Recent Trends in Communication and Electronics**”, pp. 562-567, CRC Press, DOI: 10.1201/9781003193838-105, June 30, 2021.
- Joon, K., Agrawal, N., Ahmad, H., **Yadav, V.**, Sah, D.K., Barna, C. (2021), “**DDoS Attack Prevention Protocol Through Support Vector Machine and Fuzzy Clustering Mechanism on Traffic Flow with Harmonic Homogeneity Validation Technique**”, In: Balas, V., Jain, L., Balas, M., Shahbazova, S. (eds) Soft Computing Applications. SOFA 2018. Advances in Intelligent Systems and Computing, Vol. 1221, pp. 197-214, ISBN: 978-3-030-51992-6, Springer, Cham, August 15, 2020, [https://doi.org/10.1007/978-3-030-51992-6\\_17](https://doi.org/10.1007/978-3-030-51992-6_17).
- Ninawe, A., Mallick, A.K., **Yadav, V.**, Ahmad, H., Sah, D.K., Barna, C. (2021), “**Cathedral and Indian Mughal Monument Recognition Using Tensorflow**”, In: Balas, V., Jain, L., Balas, M., Shahbazova, S. (eds) Soft Computing Applications. SOFA 2018. Advances in Intelligent Systems and Computing, Vol. 1221, pp. 186-196, ISBN: 978-3-030-51992-6, Springer, Cham, August 15, 2020, [https://doi.org/10.1007/978-3-030-51992-6\\_16](https://doi.org/10.1007/978-3-030-51992-6_16).

- Rahul, M., Shukla, R., Goyal, P.K., Siddiqui, Z.A., **Yadav, V.** (2021), “**Gabor Filter and ICA-Based Facial Expression Recognition Using Two-Layered Hidden Markov Model**”, In: Gao, XZ., Tiwari, S., Trivedi, M., Mishra, K. (eds) Advances in Computational Intelligence and Communication Technology. Advances in Intelligent Systems and Computing, Vol. 1086, pp. 511-518, ISBN: 978-981-15-1275-9, Springer, Singapore, June 19, 2020, [https://doi.org/10.1007/978-981-15-1275-9\\_42](https://doi.org/10.1007/978-981-15-1275-9_42).
- **Yadav, V.**, Kundra, P., Verma, D. (2021), “**Role of IoT and Big Data Support in Healthcare**”, In: Gao, XZ., Tiwari, S., Trivedi, M., Mishra, K. (eds) Advances in Computational Intelligence and Communication Technology. Advances in Intelligent Systems and Computing, Vol. 1086, pp. 445-455, ISBN: 978-981-15-1275-9, Springer, Singapore, June 19, 2020, [https://doi.org/10.1007/978-981-15-1275-9\\_36](https://doi.org/10.1007/978-981-15-1275-9_36).
- Rahul, M., Shukla, R., Yadav, D.K., **Yadav, V.** (2019), “**Zernike Moment-Based Facial Expression Recognition Using Two-Stage Hidden Markov Model**”, In: Bhatia, S., Tiwari, S., Mishra, K., Trivedi, M. (eds) Advances in Computer Communication and Computational Sciences. Advances in Intelligent Systems and Computing, Vol. 924, pp. 661-670, ISBN: 978-981-13-6861-5, Springer, Singapore, May 22, 2019, [https://doi.org/10.1007/978-981-13-6861-5\\_56](https://doi.org/10.1007/978-981-13-6861-5_56).

#### **PAPER PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCES: 15**

- Pankaj Pathak, **Vikash Yadav** et al, “**Assessment of Compliance of GDPR in IT Industry and Fintech**”, 3<sup>rd</sup> International Conference on Computing, Communication and Cyber-Security (IC4S-2021), organized by Krishna Engineering College, Ghaziabad, U.P., India, October 30-31, 2021.
- Mayur Rahul, **Vikash Yadav** et al, “**Movie Recommender System using Single Value Decomposition and K-means Clustering**”, 1<sup>st</sup> International Conference on Computational Research and Data Analytics (ICCRDA-2020), jointly organized by Suleyman Demirel University and Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India, October 24, 2020.
- Humera Parveen, **Vikash Yadav** et al, “**A Particle Swarm Optimization Strategy using QSAR modeling on the Second generation Neural Network**”, IEEE International Conference on Advances in Computing, Communication Control & Networking (ICACCCN-2018), ISBN: 978-1-5386-4119-4, Organized by Department of CSE, IT & MCA at Galgotias College of Engineering & Technology, Greater Noida, India on October 12-13, 2018.
- **Vikash Yadav** et al, “**Various Color and Texture Based Feature Extraction Techniques for Image Recognition**”, International Conference on Innovative Entrepreneurship and Startup (ICIES-2017), ISBN: 978-93-86256-55-3, pp. 1-6, Organized by Department of Electronics Engineering at Kamla Nehru Institute of Technology, Sultanpur, India on March 03-04, 2017.

- Bhupesh Rawat, **Vikash Yadav**, “**Data Mining in E-learning to improve learner’s performance**”, International Conference on Recent Trends in Science and Technology (ICRTST-2017), ISBN: 978-93-5267-540-1, pp. 8-14, Organized by Kalicharan Nigam Institute of Technology, Banda, India on February 11-12, 2017.
- **Vikash Yadav et al**, “**A Biometric approach to Secure Big Data**”, International Conference on Innovation and Challenges in Cyber Security (ICICCS-2016), ISBN: 978-93-84935-69-6, pp. 75-79, Organized by Department of Computer Science & Engineering, Technically Co-Sponsor by IEEE UP-Section at Amity University, Greater Noida, India on February 03-05, 2016.
- **Vikash Yadav et al**, “**A Hybrid Image Compression Technique for Medical Images**”, 7<sup>th</sup> IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2015), ISBN: 978-1-5090-0076-0, pp. 222-227, Organized by Machine Intelligence Research Labs, Gwalior at Gyan Ganga Group of Institutions, Jabalpur, India on December 12-14, 2015.
- **Vikash Yadav et al**, “**Big Data Analytics for Health Systems**”, IEEE International Conference on Green Computing and Internet of Things (ICGCIOT-15), ISBN: 978-1-4673-7909-0, pp. 253-258, Organized by Department of Computer Science & Engineering at Galgotias College of Engineering & Technology, Greater Noida, India on October 08-10, 2015.
- **Vikash Yadav et al**, “**A Survey Paper on Secure Mobile Ad-hoc Network**”, National Conference on Trends in Signal Processing & Computing (TSPC-2015), ISSN: 2395-0730, pp. 46-51, Organized by Faculty of Engineering & Technology, Rama University Kanpur, India on September 19-20, 2015.
- **Vikash Yadav et al**, “**Design and Implementation of Real Time Content Sharing Using Smart Phones**”, International Conference on Modeling and Computing (ICMC-2014) Organized by Department of Computer Science, Babasaheb Bhimrao Ambedkar University, Lucknow, India on July 10-11, 2014.
- Satyendra Kumar, **Vikash Yadav et al**, “**Software Quality Prediction Techniques Based on Classification and Regression Tree: A Study**”, International Conference on Modeling and Computing (ICMC-2014) Organized by Department of Computer Science, Babasaheb Bhimrao Ambedkar University, Lucknow, India on July 10-11, 2014.
- **Vikash Yadav et al**, “**Secure Communication in WLAN**”, National Conference on Internet Security and Cyber Laws (NCISCL-2014), pp. 157-161, Organized by Department of Computer Science & Engineering at Harcourt Butler Technological Institute, Kanpur, India on April 05-06, 2014.
- Gaurav Sachan, **Vikash Yadav et al**, “**Secure Mobile Commerce**”, National Conference on Internet Security and Cyber Laws (NCISCL-2014), pp. 187-192, Organized by Department of



Computer Science & Engineering at Harcourt Butler Technological Institute, Kanpur, India on April 05-06, 2014.

- **Vikash Yadav et al**, “**A Study of Energy-Aware Behavior of Proactive and Reactive Routing Protocols for Mobile Ad Hoc Networks**”, National Conference on Global Innovation In Technology & Management (GITM–2013), ISBN: 978-81-923750-1-4, Organized by Dev Bhoomi Group of Institutions, Saharanpur, India on April 28, 2013.
- Anil Kumar, **Vikash Yadav et al**, “**Trust and Reputation based E-Learning using the Service Oriented Architecture**”, National Conference on Global Innovation in Technology & Management (GITM–2013), ISBN: 978-81-923750-1-4, Organized by Dev Bhoomi Group of Institutions, Saharanpur, India on April 28, 2013.

#### **INDEXING/CITATION by GOOGLE SCHOLAR:**

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<b>Citations</b>	370	362
<b>h-index</b>	10	10
<b>i-10 index</b>	11	11

#### **REVIEWER/PC MEMBER/SESSION CHAIR of CONFERENCE’S:**

- **Session Chair** on 10th International Conference on “Computing for Sustainable Global Development”, organized by Bharati Vidyapeeth’s Institute of Computer Application and Management, New Delhi, India on March 15-17, 2023.
- **Session Chair** on 4<sup>th</sup> Doctoral Symposium on Computational Intelligence (DOSCI-2023), organized by Institute of Engineering & Technology, Lucknow, India and Bhagwan Parshuram Institute of Technology, Delhi, India in association with University of Calabria, Italy on March 03, 2023.
- **Session Chair** on International Conference on Innovative Computing and Communication (ICICC-2023), organized by Shaheed Sukhdev College of Business Studies, New Delhi, in association with National Institute of Technology Patna, India and University of Valladolid Spain on February 17-18, 2023.
- **Session Chair** on International Conference on Bio-Neuro Informatics and Algorithms (ICBNA-2022), organized by Symbiosis International (Deemed University), India, in collaboration with Samara State Medical University, Russia on June 21-22, 2022.
- **Session Chair** on Doctoral Symposium on Computational Intelligence (DoSCI-2022), organized by Institute of Engineering & Technology, Lucknow, India on March 05, 2022.

- **Session Chair** on 3rd International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS-2022), organized by Institute of Engineering & Management Group, Kolkata, India on February 23-25, 2022.
- **Session Chair** on 3rd International Conference on Computing, Communications and, Cyber-Security (IC4S-2021), organized by Krishna Engineering College, Ghaziabad, India on October 30-31, 2021.
- **Session Chair** on 4th International Conference on Data Analytics & Management (ICDAM-2021), jointly organized by Jan Wyzykowski University, Polkowitz, Poland & Panipat Institute of Engineering and Technology, India & IIS University, Jaipur, India on June 26, 2021.
- PC Member of “International Conference on Innovation and New Trends in Information Technology” Held at Tangier, Morocco, December 19-20, 2020.
- **Session Chair** on 4th International Conference (Online) on Recent Trends in Communication & Electronics (ICCE-2020), organized by Department of Electronics & Communication Engineering, KIET Group of Institutions, Ghaziabad, India, November 28-29, 2020.
- **Session Chair** on 1<sup>st</sup> International Conference on Computational Research and Data Analytics (ICCRDA-2020), jointly organized by Suleyman Demirel University and Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India, October 24, 2020.
- PC Member of 4th Edition of the National Study Days on Computer Sciences Research (JERI 2020), Saida, Algeria, December 6-7, 2020.
- Reviewer of Journal of Scientific and Industrial Research (JSIR), **SCIE Indexed**.
- PC Member of Innovation & New Trends in Information Technology (INTIS 2019) Tangier, Morocco, December 20-21, 2019.
- Reviewer of the International Journal of Information Technologies and Systems Approach (IJITSA), IGI-Global, and **Scopus Indexed**.
- Reviewer of the Journal of Supercomputing, **SCIE Indexed**.
- PC Member & Sub Reviewer of 8th International Workshop on Soft Computing Applications (SOFA 2018) organized by Aurel Vlaicu University of Arad & Institute of Computer Science of the Romanian Academy, Romania, September 13-15, 2018.
- Reviewer of International Journal of Advanced Intelligence Paradigms (IJAIP), InderScience Publication, and **Scopus Indexed**.

**PATENT's: 04**

- A Patent is published entitled “**Method and System for handling liquid in tank in IOT Environment**” Reference/Application No. **202111011968**, Dated 26/03/2021.
- A Patent is published entitled “**IOT based Smart Shoes for child health monitoring**” Reference/Application No. **202111011966**, Dated 26/03/2021.
- A Patent is published entitled “**Human Memory Assistive Device**” Reference/Application No. **202011005799**, App. Number **TEMP/E-1/6007/2020-DEL**, Dated 22/01/2021.
- A Patent is published entitled “**Noise Cancelling Device**” Reference/Application No. **201921042041**, App. Number **TEMP/E-1/44639/2019-MUM**, Dated 29/11/2019.

#### **PAPER SETTER:**

- Worked as a Paper setter of End-Semester examination for Harcourt Butler Technical University (Formerly HBTI) Kanpur & Dr. B. R. Ambedkar University Agra.

#### **MOOC’s CERTIFICATIONS:**

- Completed 1-6 modules out of 8-Module courses of National Initiative for Technical Teachers Training under AICTE.
- **NPTEL** Online Certification on Software Engineering, Compiler Design & Data Science for Engineers, Introduction of Internet of Things & Big Data Computing courses.
- **COURSERA** Online Certification on Cloud Computing, Hierarchical Clustering: Customer Segmentation, Image Classification courses.

#### **FDP/WORKSHOPS/CONFERENCE’S ORGANIZED:**

- Organized One Week Faculty Development Programme on “**Computational Intelligence**” as a Coordinator at Department of Computer Science & Engineering, ABES Engineering College, Ghaziabad, India, Sponsored by TEQIP-III, April 29-May 03, 2019.
- Member of the Organizing Committee to organize International Conference on “**5<sup>th</sup> International Conference on Computational Intelligence and Communication Technology (CICT-2019)**”, Organized by Department of Computer Science & Engineering, ABES Engineering College, Ghaziabad, India on February 22-23, 2019.
- Member of the Organizing Committee to organize National Conference on “**Recent Advances in Information and Communication Technologies (RAICT-2017)**” at Department of Computer Science & Engineering, Harcourt Butler Technical University, Kanpur, India, Under TEQIP-II, March 25-26, 2017.

- Member of the Organizing Committee to organize One Week Faculty development Programme on “**Advance Algorithms in Computing**” at Department of Computer Science & Engineering, Harcourt Butler Technological Institute, Kanpur, India, Under TEQIP-II, January 25-30, 2016.

#### **STC/FDP/WORKSHOPS ATTENDED:**

- Attended One Week Online Workshop on “**Cyber Security Challenges and Practices (CSCP-2022)**” Organized by Computer Science and Engineering Department, Rajkiya Engineering College, Sonbhadra, India, November 28-December 02, 2022.
- Completed UGC Approved Short-Term Professional Development Programme on “**Implementation of NEP2020 for University and College Teachers**” Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Organized by IGNOU, September 09-17, 2022.
- Attended Two Week Short Term Course on “**Induction Training Programme for Newly Recruited Teachers**” Organized by Education and Educational Management Department, NITTTR Chandigarh, India, September 05-16, 2022.
- Attended One Week faculty Development Program on “**Industrial Revolution 5.0**”, Organized by Department of Computer Science & Engineering, Ajay Kumar Garg Engineering College, Ghaziabad, India, June 06-10, 2022.
- Attended Two Days Short Term Course on “**Facilitation Technique Workshop**” Organized by IRDT Kanpur, India, April 28-29, 2022.
- Attended One Week AICTE sponsored QIP Short Term Course on “**Embedded Artificial Intelligence**” Organized by Electronics, and Communication Engineering Department, NITTTR Chandigarh, India, March 21-26, 2022.
- Attended Five Days Short Term Course (online) on “**Data Science and Machine Learning**” Organized by Computer Science and Engineering Department, IIT Kanpur, India, February 28-March 04, 2022.
- Attended One Week Online Workshop on “**Cyber Security and Information Assurance (CSIA-2022)**” Organized by Computer Science and Engineering Department, Rajkiya Engineering College, Sonbhadra, India, January 27-31, 2022.
- Attended One Week Short Term Course on “**Cyber Forensic and Information Security**” Organized by Dr B R Ambedkar National Institute of Technology Jalandhar, India, December 16-20, 2021.
- Attended Five Days AICTE ATAL Online Faculty Development Program on “**Technology Trends in Smart City**” Organized by Indian Institute of Management Kashipur, India, August 09-13, 2021.

- Attended Five Days AICTE ATAL Online Faculty Development Program on “**Nature Inspired Optimization Techniques**” Organized by National Institute of Technology Delhi, India, July 19-23, 2021.
- Attended Five Days AICTE ATAL Online Faculty Development Program on “**Machine Learning and Computer Vision**” Organized by Vignans Foundation for Science Technology and Research University, India, June 21-25, 2021.
- Attended Five Days Faculty Development Program on “**Innovative & Disruptive Computing Technologies**” Organized by the Amity Institute of Information Technology, Amity University, Noida, India, January 04-08, 2021.
- Attended Five Days AICTE ATAL Online Faculty Development Programme on “**Cloud Technology**” Organized by Beant College of Engineering and Technology, Gurdaspur, India, October 26-30, 2020.
- Attended Five Days Faculty Development Program on “**Block Chain and its Applications**” Organized by the Department of Computer Science and Engineering, Ajay Kumar Garg Engineering College, Ghaziabad, India, August 10-14, 2020.
- Attended One Week Online Faculty Development Program on “**Emerging Trends, Issues and Challenges in Next-Generation Technology**” Organized by Faculty of Engineering & Technology, Rama University Kanpur, India, July 20-24, 2020.
- Attended Five Days AICTE ATAL Online Faculty Development Programme on “**Artificial Intelligence**” Organized by Central University of Kerala, India, June 03-07, 2020.
- Attended Five Days AICTE ATAL Online Faculty Development Programme on “**Cyber Security**” Organized by Department of Computer Application, Dr. HariSingh Gour University, Sagar, M.P., India, May 18-22, 2020.
- Attended Five Days AICTE ATAL Online Faculty Development Programme on “**Block Chain**” Organized by Department of Computer Science & Engineering, Punjab Engineering College, Chandigarh, India, May 11-15, 2020.
- Attended Five Days Workshop cum Faculty Development Programme on “**Data Sciences**” jointly organized by Department of Computer Science & Engineering, KNIT Sultanpur & MNNIT Allahabad, Prayagraj, India, May 04-08, 2020.
- Attended One Week Faculty Development Programme on “**Machine Learning and Data Analytics using Python**” Conducted by Electronics & ICT Academy, IIT Roorkee at ABES Engineering College, Ghaziabad, India, January 13-17, 2020.
- Completed One Week NPTEL-AICTE Faculty Development Programme on “**Data Science for Engineers**” from July-September 2019.

- Attended “**TalentNext**” an Eight Day’s Digital Skills Readiness Program conducted by Wipro Limited at Bangalore, May 15-22, 2019.
- Attended One Week Faculty Development Programme on “**Computational Intelligence**” Organized by Department of Computer Science & Engineering, ABES Engineering College, Ghaziabad, India, Sponsored by TEQIP-III, April 29-May 05, 2019.
- Attended One Week Faculty Development Programme on “**Outcome based pedagogic principles for effective teaching & learning**” Organized by Department of Computer Science & Engineering, ABES Engineering College, Ghaziabad, India, Sponsored by TEQIP-III, April 22-26, 2019.
- Attended Two Weeks Faculty Development Programme on “**Entrepreneurship**” Organized by ABESEC StartUps Lab & Department of Computer Science & Engineering, ABES Engineering College, Ghaziabad, India, January 02-15, 2019.
- Attended One Week Faculty Development Programme on “**Pattern Recognition**” Organized by the Department of Information Technology, ABES Engineering College, Ghaziabad, India, Sponsored by TEQIP-III, July 09-13, 2018.
- Attended One Week Faculty Development Programme on “**Computer Vision**” Organized by the Department of Computer Science & Engineering, Faculty of Engineering & Technology, Agra College, Agra, India, Sponsored by TEQIP-III, April 23-27, 2018.
- Attended One Week Faculty Development Programme on “**Research Methodology**” Organized by the Department of Computer Science & Engineering, Uttaranchal Institute of Technology, Uttaranchal University, Dehradun, Uttarakhand, India, December 04-09, 2017.
- Attended One Week Short Term Course/Faculty Development Programme on “**Communication Networks: A Research Perspective**” Organized by the Department of Electronics Engineering, Harcourt Butler Technical University (Formerly HBTI), Kanpur, India, Sponsored by TEQIP-II, February 27 to March 04, 2017.
- Attended One Week Faculty Development Programme on “**Role of MATLAB In Advance Computing**” Organized by the Department of Computer Science & Engineering, Kamla Nehru Institute of Technology, Sultanpur, India, Sponsored by TEQIP-II in Technical Association with ISTE & CSI, July 25-29, 2016.
- Attended Five Days Workshop on “**Advanced Robotics**” Organized at Indian Institute of Technology, Kanpur, India, Sponsored by TEQIP-II, March 15-19, 2016.
- Attended One Week Faculty Development Programme on “**Advance Algorithms in Computing**” Organized by the Department of Computer Science & Engineering, Harcourt Butler Technological Institute, Kanpur, India, Sponsored by TEQIP-II and Technically Sponsored by IEEE Computational Intelligence Society, January 25-30, 2016.

- 3<sup>rd</sup> Prize on All India Seminars on “**Cyber Crime & Security Challenges**” at The Institute of Engineers, U.P. State Centre, Lucknow, India, April 13-15, 2007.

#### **EXTRA CURRICULAR ACTIVITIES:**

- Club Counselor of “**Environ Club**” at ABES Engineering College Ghaziabad since August 2018 to September 2021.
- Counselor of IGNOU Courses (BCA & MCA) at HBTI Kanpur Center since July 2013 to May 2018, Evaluator Code: IG12700616.
- Appointed as Center Controller and member of Flying Squad for various UPSEE Examination conducted by UPTU Lucknow.
- Appointed as a Group Leader/Observer of Flying Squad for various End Semester Examination conducted by UPTU Lucknow.
- Appointed as External Practical Examiner by UPTU Lucknow & IGNOU.
- Guided various Projects at U.G (BCA, B.Tech) and P.G (MCA) level.
- Written unit wise solution paper (Rohit Series) of the subject Digital Image Processing & Real Time System.
- Coordinator of various technical events INCORD in HBTI Kanpur and UDAYAYA in Dr. AITH Kanpur.

#### **PERSONAL SKILLS:**

- Comprehensive problem solving abilities.
- Ability to deal with people diplomatically.
- Willingness to learn, hard worker.

#### **HOBBIES:**

- Cricket & Listening Music

#### **PERSONAL DETAILS:**

Father's Name: Mr. Pratap Singh Yadav

Date of Birth : 18<sup>th</sup> Oct 1987

Languages : Hindi & English

#### **REFERENCE's:**

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**Dr. Vandana Dixit Kaushik**  
Associate Professor,  
Department of Computer Science & Engineering,  
Harcourt Butler Technical University,  
Kanpur-208002, U.P., India

**Date:**

**Place:**

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**(Dr. Vikash Yadav)**