



Dr Sandeep Kumar

E-mail: sandeep.jaglan@msit.in

Profile URL :

<https://vidwan.inflibnet.ac.in/profile/241013>

Orcid Id: 0000-0002-4550-4814

Phone: 011-45037193,

Address: New Delhi ,Delhi,India - 110058

Expertise

Computer Science Software Engineering

M.L., Data mining; image processing; IoT.

Work experience

1. Maharaja Surajmal Institute of Technology 2018 — Present

Associate Professor
New Delhi

2. Maharaja Surajmal Institute of Technology 2016 — 2018

Faculty
New Delhi

Education

1. Ph.D - 2017

Maharshi Dayanand University

Honours and Awards

1. Letter of Appreciation - 2024
SMES
2. Certificate of Achievement Award for Research Paper - 2024
ICCSM-2024
3. Best Research Paper Award - 2021
IRCET-2021 Conference
4. Recognized as SILVER Partner Faculty - 2015
Infosys
5. BRONZE partner faculty under campus connect - 2014
Infosys
6. Certificate of Appreciation - 2014
NCCE
7. Top IBM-TGMC-Mentor - 2013
IBM
8. Certificate of Recognition for outstanding contribution to Campus Connect Program - 2011
Infosys
9. University Position Appreciation - 2002
NCCE

Membership In Professional Bodies

1. International Association of Engineers , 2020
Member
2. Member IACSIT, 2009
Member
3. Member APACALL, 2009
Member

4. Member IET, 2008
Member

5. ISOC, 2007
Global Member

Membership In Committees

1. ICAI 2024, 2024
Member Organizing Committee

Patent

1. System zur Vorhersage des Luftqualitätsindex auf der Grundlage des Internets der Dinge und des maschinellen Lernens
Inventor(s): Sitender, Sangeeta, Naresh, Adeel, Amit, Savita, Sapna, Sandeep, Assignee: Maharaja Surajmal Institute of Technology, New Delhi
Published: 2022-11-04

2. A DIGITAL PAYMENT SYSTEM FOR TRANSACTION OF MONEY THROUGH FACE RECOGNITION AND METHOD THEREOF
Inventor(s): Dr. Amit Sharma, Dr. Vikram Bali, Dr. Sonali Mathur, Dr. Sandeep Kumar, Assignee: Dr. Amit Sharma, Dr. Vikram Bali, Dr. Sonali Mathur, Dr. Sandeep Kumar
Published: 2023-05-05

3. IOT ENABLED THERAPEUTIC MACHINE
Inventor(s): 1. Dr. G. Venkatakotireddy 2. Dr. C Sunil Kumar 3. Amit Sharma 4. Dr. Sandeep Kumar,
Assignee: 1. Dr. G. Venkatakotireddy 2. Dr. C Sunil Kumar 3. Amit Sharma 4. Dr. Sandeep Kumar
Published: 2023-01-25

4. The detection of Varied EEG pattern Signal For Chronic Migraine Patients Using Machine Learning Appr
Inventor(s): 1 . DR.T.NALLUSAMY 2 . Dr. V.Kannan 3 . Felipe De Castro Dantas Sales 4 . Mr.J Logeshwaran 5 . Mr. Rajeev Ratna Vallabhuni 6 . Dr. SAYYED MATEEN 7 . Ms.M.DHARANI 8 . Mr. CH. Mohan Sai Kumar 9 . Sanjesh Kumar 10 . Mansi Singh 11 . DR. SANDEEP KUMAR 12 . PROF.DR.YEGNANARAYANAN VENKATARAMAN, Assignee: 1 . DR.T.NALLUSAMY 2 . Dr. V.Kannan 3 . Felipe De Castro Dantas Sales 4 . Mr.J Logeshwaran 5 . Mr. Rajeev Ratna Vallabhuni 6 . Dr. SAYYED MATEEN 7 . Ms.M.DHARANI 8 . Mr. CH. Mohan Sai Kumar 9 . Sanjesh Kumar 10 . Mansi Singh 11 . DR. SANDEEP KUMAR 12 . PROF.DR.YEGNANARAYANAN VENKATARAMAN
Published: 2022-11-25

5. AN AUTONOMOUS ROBOTIC SYSTEM FOR DEFENSE APPLICATION

Inventor(s): 1 . Aabhaas Sikka 2 . Ayush Garg 3 . Prof. Vikram Bali 4 . Prof.(Dr.) Koyel Datta Gupta 5 . Prof.(Dr.) Rinky Dwivedi 6 . Dr. Sandeep Kumar 7 . Dr. Vikrant Shokeen 8 . Dr. Amit Sharma, Assignee: 1 . Aabhaas Sikka 2 . Ayush Garg 3 . Prof. Vikram Bali 4 . Prof.(Dr.) Koyel Datta Gupta 5 . Prof.(Dr.) Rinky Dwivedi 6 . Dr. Sandeep Kumar 7 . Dr. Vikrant Shokeen 8 . Dr. Amit Sharma
Published: 2024-06-14

Publication

1. A comparative study of brain tumor classification on unbalanced dataset using deep neural networks

Agrawal T.;Choudhary P.;Kumar V.;Singh P.;Diwakar M.;Kumar S.
Biomedical Signal Processing and Control, Volume 94, Year 2024

2. The Power of Few: Dynamic Interaction Modeling in Few-Shot Learning Using Graph Neural Networks and Attention Mechanisms

Shokeen V.;Kumar S.;Sharma A.;Azar A.T.;Ahmad Kamal N.;Njima C.B.
2024 International Conference on Control, Automation and Diagnosis, ICCAD 2024, Volume , Year 2024

3. REEGNet: A resource efficient EEGNet for EEG trail classification in healthcare

Intelligent Decision Technologies, Year 2024

4. Meta-Learning for Real-World Class Incremental Learning: A Transformer-Based Approach

, Year 2024

5. Sustainable Waste Management through ML-based Real-Time Trash Bin Prediction

Journal of Intelligent Systems and Internet of Things, Year 2024

6. Network Traffic Forecasting using Adaptive Gradient Based Forecasting Model (AGBFM)

Sandeep Kumar
ICCSM 2024, Volume , Year 2024, Pages

7. From Text to Transformation: A Comprehensive Review of Large Language Models' Versatility

, Year 2024

8. Detection of Counterfeit Currency Notes Through Machine Learning Algorithms and Image Processing

Shokeen V.;Kumar S.;Sharma A.;Singh N.;Prasad A.;Sachdeva Y.
Proceedings - International Conference on Technological Advancements in Computational Sciences, ICTACS 2023, Volume , Year 2023, Pages 1033-1039

9. Smart Rural Structures Using IoT and Cloud Computing

Shokeen V.;Kumar S.;Sharma A.;Mathur S.;Mittal M.

Integration of Cloud Computing with Emerging Technologies Issues, Challenges, and Practices, Volume , Year 2023, Pages 239-251

10. Design and analysis of energy aware interior gateway routing algorithm with particle swarm optimization

Almuzaini K.K.;Stalin S.;Menon S.P.;Kumar S.;Ojo S.;Shukla P.K.;Pareek P.K.;Shukla P.K.

International Journal of Communication Systems, Volume , Year 2023

11. Diabetic Foot Ulcer Identification: A Review

Das S.K.;Roy P.;Singh P.;Diwakar M.;Singh V.;Maurya A.;Kumar S.;Kadry S.;Kim J.

Diagnostics, Volume 13, Year 2023

12. Soft Computing Techniques for Detecting Cyberbullying in Social Multimedia Data

Jing Y.;Haowei M.;Ansari A.S.;Sucharitha G.;Omarov B.;Kumar S.;Mohammadi M.S.;Alyamani K.A.Z.

Journal of Data and Information Quality, Volume 15, Year 2023

13. Music Genre Transfer Using TransGAN

Kumar S.;Verghese J.;Dutta R.

Inventive Computation and Information Technologies, Volume 336, Year 2022, Pages 851-858

14. Network Security using UTM Based Firewalls

Kumar, Sandeep

MSIT Journal of Research – SATYAM, Volume 8, Year 2020, Pages 39--42

15. A Framework for Solving the Handwritten Equations Using OCR

Sandeep Kumar,Akash Garg,Dharmesh Sharma, Piyush Saini

International Journal of Management, Technology And Engineering, Volume 9, Year 2019, Pages 466-471

16. Hand Gesture Recognition Based Calculator

Sandeep Kumar, Mohit Tanwar , Anand Kumar, Gita Rani, and Prashant Chamoli

International Journal of Computer Science and Mobile Computing, Volume 8, Year 2019, Pages 149--158

17. NLP: A Practical Approach

Sandeep Kumar

NLP: A Practical Approach, Volume , Year 2018, Pages

18. Hybrid dynamic price prediction model in online auctions

Kumar S.;Rishi R.

International Journal of Applied Engineering Research, Volume 12, Year 2017, Pages 98-604

19. Impact of Social Media and Customer Feedback on Online Auctions

Sandeep Kumar, Rahul Rishi

International Journal of Computational Intelligence Research, Volume 13, Year 2017, Pages 11--22

20. **Object Detection and Recognition in Images**
Sandeep Kumar, Aman Balyan, Manvi Chawla
International Journal of Engineering Development and Research, Volume 5, Year 2017, Pages 1029-1034
21. **Software Agents Role and Predictive Approaches for Online Auctions**
Kumar, Sandeep
International Research Journal of Engineering and Technology (IRJET), Volume 4, Year 2017, Pages 2111-2114
22. **Performance Comparison of Machine Learning Models**
Kumar, Sandeep
International Journal for Research in Applied Science \& Engineering Technology (IJRASET), Volume 5, Year 2017, Pages 1039--1044
23. **Predictive Analysis of Online Auctions Using XGBoost**
Kumar, Sandeep
International Journal for Research in Applied Science \& Engineering Technology (IJRASET), Volume 5, Year 2017, Pages 1102--1107
24. **Data collection and analytics strategies of social networking websites**
Kumar S.;Rishi R.
Proceedings of the 2015 International Conference on Green Computing and Internet of Things, ICGCIoT 2015, Volume , Year 2016, Pages 643-648
25. **Review on "Fuzzy Querying based on GEFRED model"**
Annu Rani, Sandeep Kumar
International Journal of Engineering and Technical Research (IJETR), Volume 3, Year 2015, Pages 100-102
26. **FRDMS For Fuzzy Querying Based On GEFRED Model**
Annu Rani, Sandeep Kumar
International Journal Of Engineering And Computer Science, Volume 4, Year 2015, Pages 13887--13891
27. **An Overview of Data Mining In Medical Field**
Reema Arora, Sandeep Kumar
International Journal of Engineering and Technical Research, Volume 3, Year 2015, Pages 198--201
28. **Mobile Tracking System Using GPS**
Sandeep Kumar
International Conference on Emerging Technologies (ICET-2014), Volume , Year 2014, Pages
29. **Human Factors and Ergonomics(Human Factor Re-engineering)**
Sandeep Kumar
International Conference on Emerging Technologies (ICET-2014), Volume , Year 2014, Pages
30. **Comparative Analysis of AODV \& AOMDV Reactive Protocols**
Pooja, Sandeep Kumar, Reema Gupta

International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Year 2014, Pages 265--270

31. **BIG DATA: ADVANCEMENT IN DATA ANALYTICS**

Pooja, Sandeep Kumar, Reema Gupta

Int.J.Computer Technology \& Applications, Volume 5, Year 2014, Pages 1466--1469

32. **Performance Evaluation of DSDV \& OLSR Proactive Protocols in MANET**

Sanju Verma, Sandeep Kumar

IJSRD - International Journal for Scientific Research \& Development, Volume 2, Year 2014, Pages 2321--0613

33. **Performance Evaluation of DSDV & OLSR Proactive Protocols in MANET**

Sandeep Kumar and others

International Journal for Scientific Research & Development, Volume , Year 2014, Pages 77-80

34. **Pricing Models For Online Auctions**

Kumar, Sandeep

, Year 2014, Pages 643--648

35. **Pricing Algorithms in Online Auctions**

Kumar, Sandeep

International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Year 2013, Pages 148--153

36. **A Hybrid Data Mining Metaheuristic Approach for Anomaly Detection**

Meenakshi, Sandeep Kumar

International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Year 2013, Pages 1308--1317

37. **Online Financial Algorithms: Competitive Analysis**

Sandeep Kumar, Deepak Garg

International Journal of Computer Applications, Volume 40, Year 2012, Pages 0975--8887

38. **Genetic Operators in TSP**

Akash Kadiyan, Sandeep Kumar

International Journal of Modern Engineering Research (IJMER), Volume 1, Year 2011, Pages 516--519

39. **Genetic K-Means Algorithm -- Implementation and Analysis**

Sandeep Kumar, Sandhya Huria

International Journal of Mobile \& Adhoc Network, Volume 11, Year 2011, Pages 103--106

40. **Genetic K Means Algorithm-Implementation and Analysis**

Sandeep Kumar

National Level Conference on Innovative Computer Technologies, Volume , Year 2011, Pages

41. **IT Outsourcing Featuring UML Based BPR**

Sandeep Kumar

International Conference on “Emerging Trends in Engineering and Technology (IETET-2010), Volume ,
Year 2010, Pages

42. **Reengineering Comparisons Using Distinct UML Tools**

Sandeep Kumar

International Conference on “Emerging Trends in Engineering and Technology (IETET-2010), Volume ,
Year 2010, Pages

43. **Polling Overhead Optimization In Mac**

Sandeep Kumar

International Conference on Wireless Network and Embedded Systems, Volume , Year 2009, Pages

44. **Impact and Relevance of GB Theory in Current Scenario**

Sandeep Kumar

National Conference of Indian Society of Information Theory and Applications(ISITA), Volume , Year 2009,
Pages

45. **E-Commerce**

Sandeep Kumar

Annual Conference of ISITA titled Information Technology: Setting Trends in Modern Era, Volume , Year
2006, Pages