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FIETE, LMCSI, LMISTE, MIEEE, M. Tech,
, Ph. D (JNTUH), PDF (SU),
MIAENG, MIACSIT, MAACSIT, MCSTA
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3-13-105/2/F, Suryanagar colony, Mallapur,
Hyderabad-76

Objective: To work in an organization where my inherent knowledge can be utilized and I can constantly improve myself not only technically but as a complete individual. I am willing to work as a key player in challenging and creative environment.

- JNTU faculty registration number 85150403-230538.
- AICTE Faculty unique id: 1-3219350709
- <http://www.researcherid.com/rid/P-5626-2016>.
- <http://www.mirlabs.net/global/index.php?c=main&a=person&id=2133>
- Scopus Author id: 55407969700.
- Google Scholar citations @<https://scholar.google.com/citations?hl=en&user=ZJQqi40AAAAJ>.

Current Research Interests:

- Machine learning applied to large scale textual applications.
- Data Science applications in healthcare
- Natural language processing and block chain application in Health informatics.
- Cognitive computing in neuroscience
- Artificial intelligence applications

Grants and Funding:

Projects:

- “A Query based Mining Approach on Public Open Data Repository for Knowledge Extraction”, received from JNTUH) Teqip 3 collaborative research project, sanction order number JNTUH/TEQIP-III/2019/CSE/09. (Grant: 3 lakhs rupees)

Workshop:

- Architecting Cloud Computing, received from Science and Engineering Board (SERB) for workshop sanction order number “SB/SS/169/15-16.

EDUCATION:

PDF: January 2022 - July 2023, in Computer Science and Engineering, Srinivasa University, Mangalore, India Thesis Title: Problem-Solving COVID-19 Diagnosis through Self-aware Artificial Super Intelligence
Date of Award: 10.07.2023

Areas of Research: Artificial Super Intelligence systems in Health Care

Mode: Regular/ Full Time

Ph. D: September 2007- April 2016, in Computer Science and Engineering, Jawaharlal Nehru Technological University, Hyderabad, India.

Thesis Title: Mining Knowledge from Web based on User Requirements.

Date of Award: 30.04.2016

Areas of Research: Information Retrieval Systems

Mode: Part-Time

M.Tech: Dec 2001- June 2004, in Information Technology, PU, Punjab, India.

Thesis Title: Personal information Systems

Date of Award: 30.07.2004

Areas of Research: Database Management system

Mode: Part-time

M.Sc (Maths) – Osmania University, 1992

Work EXPERIENCE:

- Working as a Professor and Associate Dean (R and D) in IT Dept at Sreenidhi Institute of Science and Technology since 29.09.2016 to till date
- Worked as a Guest faculty in CSE Dept at TRR Engineering College from 1.11.2015 to 30.09.2016.
- Worked as a Professor in CSE Dept at Guru Nanak Institutions Technical Campus, Ibrahimpatnam from 8.07.2013 to 31.10.2015.
- Worked as a Professor, HOD of CSE Department and In-Charge Principal at Sridevi women's College of Engineering, Vattinagulapally, from 1.08.2012 to 30.7.2013.
- Worked as a Professor in RRS College of Engineering and Technology, Medak from 1.11.2010 to 31.7.2012
- Worked as a Professor in CSE Dept at CMR College of Engineering and Technology, Hyderabad from 1.5.2010 to 31.10.2010
- Worked as a Associate Professor in CMR Institute of Technology, Hyderabad from Dec'07 to 30.4.2010
- Worked as an Assist Professor and HOD In-charge of IT Department at Nalla Malla Reddy Engineering College, Hyderabad from Sep 2006 to Nov '07.
- Worked as a HOD and Associate professor (academic consultant) in Nizam College, ABIDS from Aug 2000 to Aug'2006.
- Worked as a Academic consultant in Post Graduate College, Secunderabad from Nov '98 to July '2000.
- Worked with Soft Path Pvt. Ltd, Hyderabad as a senior software engineer from April '96 to Oct '98.
- Worked as a Database Leader at CADSYS (India) Ltd., Hyderabad from Feb'95 to Mar '96.
- Worked as a Lecturer in VMS Junior college from May '94 to Jan '95.
- Worked as a Post Graduate Lecturer in Jawahar Navodaya Vidyalaya, Veleru from Nov 92 to April '94.

Teaching Interests

- Artificial intelligence
- Machine learning
- Deep learning
- Data Science
- Big Data
- Information Retrieval systems

Supervision

- PDF scholar, Harsha S
- PDF scholar, Muhammad Saad
- PDF scholar, Dr. Hina Afreen
- PDF scholar, Dr. Vaidehi M
- PDF scholar, Dr. Shweta Sharma
- Recognized as Research supervisor @ JNTUH

Honors, Awards and Scholarships

1. Received award for “**Research Excellence**” by the INDUS Foundation, 2016.
2. Received **appreciation certificate** from **GNITC** Annual day celebrations 2014 for paper publications in journals with high impact factor

3. Received **appreciation certificate** from **Globarena Technologies Private Ltd** for academic year 2014-15.
4. Received **Best reviewer** from ‘**Oriental Journal of Computer Science and Technology**’ for the month of **August 2018**.
5. Received “**Innovative Research and Dedicated Academician award**” from ISRPM Singapore and Malaysia, 2018.
6. Received award for “**Best Senior Researcher award (Above 40 years female category)** 2018 from **GECL** awards.
7. Received award for “**Innovative research in Big Data analytics**” from RULA awards 2019.
8. Received award for “**Best Women researcher**” from REAA awards 2018.
9. Received award for “**Distinguished Researcher award in big data and data science 2018**” from ISRD 2018.
10. Received award for “**Excellence in Data Science research**” from **pride of Indian Education** Jan, 2020.
11. Received award for “**Green ThinkerZ Top 100 Distinguished Researcher Award 2020**.”
12. Received award for “**Research Excellence award**“, Institute of Scholars 2021.
13. Received award for “**National Research Excellence award** “, I20R, a Registered MSME with Ministry of MSME, Govt of India on the occasion of National Science Day-28th Feb,2022.
14. Received award for “**International adroit researcher 2021-22 award** “, Green ThinkerZ® is Registered at NGO Darpan, NITI Aayog, Government of India.
15. Received award for “**Incredible researcher of world**” 2022 award “**Incredible Academicians & Researchers of World**”, Record owner awards 2023.
16. Received award for “**Innovative and Inspiring researcher**” Dr. Ambedkar’s Youth for Nation Award – 2023 held on 14 April 2023 on Birth Anniversary of “The Father of Indian Constitution”.
17. Received award for “**INTERNATIONAL OUTSTANDING RESEARCHER AWARD**”, ”SCOPUS INDEX CONCLAVE 2025”.
18. Received award for “**International Distinguished Researcher Award 2025**”, Global Edu Conclave 2025 (GEC 2025).
19. Received award for “**Excellence in Research and innovation award**”, Dr. Sarvepalli Radhakrishnan Memorial National Awards – 2025.

Language Proficiencies

- Telugu (Mother tongue/Native): Listening, Reading, Speaking and Writing
- English (Study/ Education): Listening, Reading, Speaking and Writing
- Hindi: Speaking

Professional Memberships (Continued)

- IEEE- Senior Member
- MIR Labs- Regular Member
- CSI – Life Time Member
- ISTE- Life Time Member
- IETE – Fellow member
- IAENG- Life Time Member
- IoT Central – Regular Member
- IACSIT – Life Time Member
- AASCIT- Regular member
- Computer Science Teachers Association- Regular Member
- Microsoft Research Community –Member
- IRMA - Membership.
- IRED (The Institute of research Engineers and Doctors) -Fellow Member.
- Universal Scientific Education and Research Network (USERN)-Member
- International Scientific committee.-Member

Patents (Filed/ Granted)

National

1. Indian, Single Debit cum Credit Card for Making Money Transactions, Patent no. 202141007247 (Under Examination)
2. Indian, E-Authentication system using Eye Blinking and Deep Learning, Patent no. 202211016237

(Under Examination) .

3. Indian A system and a method for speech detection and handwriting replication and writing thereof, Patent no. 202041009647, published on: 13/03/2020.
4. Indian, Apparatus for Performing Operations in a Farm”, Patent no: 202041009625, Published on 13/03/2020.
5. Indian, A system and query based mining method on public open data Repository for knowledge extraction. Patent no: 202041056820, Published on 08/01/2021.
6. Indian, An Advanced Communication System for Maintaining Routing Performance Patent no: 202241023121, Published on 13/05/2022.
7. Indian, Heart attack detection device, Design patent no: 387010-001 Published and Granted on 15/11/2023
8. Indian, Heart attack detection device, Design patent no: 381059-001 Published and Granted on 18/05/2023
9. Indian, **Powerless Low Friction Tread mill**, Design patent no: 368830-001 Published and Granted on 25/10/2023.
10. Indian, Material Handling Mobile Robot, Design patent no: 368830-001 Granted on 25/10/2023.
11. Indian, Chalkboard Duster Cleaner, Design patent no: 400526-001 Granted on 25/01/2024.

International

1. Australia, IUIT- Traffic Control Alert: Intelligent Traffic Control and Alert Using IoT- Based Technology, Patent number: 2021100091. Granted on 17.03.2021.
2. Australia, Intelligent-SIM: multiple company mobile number installed in single SIM patent number: 2021101069 is Granted on 14 April 2021.
3. Australia, Intelligent Wi-Fi Mobile Battery Charging using Beagle bone kit, patent number, 2021102295 Granted on 9 March 2022.
4. **Germany**, Intelligent mobile charger: automatic disconnect the charger if your mobile battery charge 97%, patent number 202022101547, **Granted** on 06.04.2022.

Books /Book chapters (published)

Text books

- Book on “**Introduction to Artificial Intelligence**”, ISSN no:978-93-92373-14-5.
- Book on "**Protecting patient health from the blockchain drug supply chain,**" published by LAP LAMBERT Academic Publishing, 2020-03-05, 978-620-0-78634-0, <https://www.lap-publishing.com/> Number of pages: 52.

Edited books

- **Book on "Open Data." Intechopen publications as an Academic Editor** ISBN: 978-1-83968-316-9, Print ISBN: 978-1-83968-315-2 eBook (PDF) ISBN: 978-1-83968-317-6 (Web of Science).
- Book on " **Data Science applications of Post Covid-19 Psychological disorders**", as Editor , **Nova Science publications Infectious Diseases and Microbiology Series, MED022090**, DOI: <https://doi.org/10.52305/KRLL5890>, October 2022, ISBN: 979-8-88697-165-1 (Scopus).
- Book on "**New Trends and Challenges in Open Data**" published by Intechopen publications as an Academic Editor, **ISBN: 978-1-83769-591-1, : 10.5772/intechopen.1000267.**
- Book on “ **Pattern Analysis of Personality Dimensions Using Artificial Intelligence,**” Cambridge Scholars publications as an Editor ISBN: 1-5275-5381-7, ISBN13: 978-1-5275-5381-1. (Web of Science).
- Book on “**Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence**”, Nova Science publications as an Editor ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, **BISAC: COM004000,DOI: 10.52305/OZSA0684**
- Book on “**Contemporary Research in Engineering, Management, Arts and Science,**” **2024 first edition, TECH PRESS** as a Chief Editor, ISBN: 978-93-91697-62-4.
- Book on “**Contemporary Research in Engineering, Management, Arts and Science- [CRMEAS 2024]**”, **TECH PRESS** as a Chief Editor, ISBN: 978-93-91697-49-5, September 2024.
- Book proposal accepted on “**Emerging technologies in computational cognitive Neuroscience**”, Intech open publications as an Academic Editor, 10.5772/intechopen.1011884
- Book proposal accepted on “**AI and Image Processing Techniques of Infectious Disease Patterns**” , Cambridge Scholars publications as an Editor (@press) .

Chapters:

1. "A setpertextOFF algorithm based Fast Image Projection Analysis" in book Advances in Soft computing and Machine Learning in Image processing, Springer Series, ISBN=978-3-319-63753. DOI: 10.1007/978-3-319-63754-9_23. 2017. Pp: 497-516.
2. "Performance analysis of mail clients on Low-Cost Computer with ELGamal and RSA using SNORT" in book "Pattern Engineering System Development for BigDataAnalytics." ISBN13: 9781522538707|ISBN10: 1522538704|EISBN13: 9781522538714| DOI: 10.4018/978-1-5225-3870-7.ch020.
3. "Improved Health monitoring informatics by new similarity measures," the chapter 15 "Handbook of Research on Big Data Management and the Internet of Things for Improved Health Systems.". 9781522552222 (hardcover). Hershey PA: Medical Information Science Reference, [2018] 9781522552239 (ebook). Hershey PA: Medical Information Science Reference, [2018], DOI: 10.4018/978-1-5225-5222-2.ch012
4. "Machine learning analysis of topic modeling Reranking of clinical records" Elsevier book "Smart Biosensors in Medical Care" 2020, Pages 153-177. B978-0-12-820781-9.00009-7", DOI: 10.1016/B978-0-12-820781-9.00009-7.
5. "Fuzzy based predictive analytics for early detection of Diabetes" IGI global book "Pre-Screening Systems for Early Disease Prediction, Detection, and Prevention" ISBN13: 9781522571315| ISBN10: 1522571310| EISBN13: 9781522571322 |DOI: 10.4018/978-1-5225-7131-5.ch008
6. "Improved usability of IOT devices in health care using big data analysis" for IGI global book" Handbook of Research on Predictive Intelligence using Big Data and the Internet of Things", ISBN: 1522562109, 9781522562108, page no. 110-117, DOI: 10.4018/978-1-5225-6210-8.ch005.
7. Book chapter on "Meta heuristic approach of RMDL Classification of Parkinson's disease", "Applications of Hybrid Metaheuristic Algorithms for Image Processing", Studies in Computational Intelligence, Springer series, Online ISBN :978-3-030-40977-7, Doi: 10.1007/978-3-030-40977-7_17, vol 890. Springer, Cham, pp:399-411. (Scopus),.
8. Book chapter "Spectral characteristics and behavioral analysis of deep brain stimulation by the nature-inspired algorithm" "Taylor and Francis book Data Science and its applications". CRC press USA. ISBN 9780367608866", CRC press USA, DOI: DOI:[10.1201/9781003102380-8](https://doi.org/10.1201/9781003102380-8)
9. Book chapter " Multimodal Detection of COVID-19 Fake News and Public Behavior Analysis— Machine Learning Prospective" Springer Nature Switzerland AG 2021 S. Bhatia et al. (eds.), Intelligent Healthcare, EAI/Springer Innovations in Communication and Computing, https://doi.org/10.1007/978-3-030-67051-1_14.
10. Book chapter "A Novel Multimodal risk disease prediction of Covid-19 by using Hierarchical LSTM methods. is "Taylor and Francis book " "Data Science and Data Analytics: Opportunities and Challenges". ISBN 9780367628826., Doi: [10.1201/9781003111290-13-16](https://doi.org/10.1201/9781003111290-13-16).
11. Book chapter "Mathematical model of COVID-19 Diagnosis Prediction Using Machine Learning Techniques", "Taylor and Francis book ", Intelligent Interactive Multimedia Systems for e-Healthcare Applications, Apple Academic press, ISBN: 9781774910221.DOI: 10.1201/9781003282112-9 (SCI)
12. Book chapter "An intelligent agent of Mining of Frequent Patterns on Uncertain Graphs" is upcoming book "Advanced Data mining Tools and Methods for Social Computing" publication by Elsevier book. ISBN: 9780323857093, DOI:10.1016/B978-0-32-385708-6.00018-7 , Pages: 219-238.
13. Book chapter "Cancer patient healthcare analysis by genomic prediction" Intelligent Interactive Multimedia Systems for e-Healthcare Applications. Springer, Singapore. https://doi.org/10.1007/978-981-16-6542-4_20 (Scopus).
14. Book chapter "Analysis and Validation of Risk Prediction by Stochastic Gradient Boosting Along with Recursive Feature Elimination for COVID 19" is accepted to book "Application of Artificial Intelligence in COVID-19" by Springer. DOI 10.1007/978-981-15-7317-0_16, ISBN: 978-981-15-7317-0.
15. Book chapter "Medical Prescription Traceability using Block chain based Decentralized Application", Springer book" " Security Issues in Fog computing from 5G to 6G: Architectures, Applications and Solutions". @ Springer Switzerland 3031082532 / 9783031082535, DOI: 10.1007/978-3-031-08254-2_7, PP: 113–130 (Scopus)
16. Book chapter "Impact of influence analysis of social media fake news- a machine learning prospective" IET Book - Machine Learning Based Block chain Technologies for IoTs and Big Data: Fundamentals, Methods and Applications 2020. 978-1-83953-339-6, eISBN: 978-1-83953-340-2, DOI: 10.1049/PBSE016E_CH24

17. Book chapter “Feature extraction of Coronavirus x-ray images by RNN, correlational networks, and PNN” “AICOVID19, book Published by springer series, ISSN : 978-3-030-69743-3, DOI: 10.1007/978-3-030-69744-0_15
18. Book chapter “Risk Analysis of Coronavirus Patients Who Underlying Chronic Disease Cancer” Cognitive Systems and Signal Processing in Image Processing” ISSN :978-0-12-824410-4, DOI: [10.1016/B978-0-12-824410-4.00001-5](https://doi.org/10.1016/B978-0-12-824410-4.00001-5).
19. Book chapter “Clustering crowd sourced data from drone using big data analytics” is submitted to “IET Book - Machine Learning Based Block-chain Technologies for IoTs and Big Data: Fundamentals, Methods and Applications- 2020” 978-1-83953-339-6, eISBN: 978-1-83953-340-2. DOI: 10.1049/pbse016e_ch6
20. Book chapter " Knowledge Extraction from Open Data Repository “InTech open book "OPEN DATA”, ISBN 978-1-83968-316-9, DOI: 10.5772/intechopen.100234 (Scopus).
21. Book chapter "Prediction and Diagnosing of Heart Diseases using Data Mining and Artificial Intelligence Algorithms" is Chapter 10, book "IGI global book, Using Multimedia Systems, Tools, and Technologies for Smart Healthcare Services, DOI: 10.4018/978-1-6684-5741-2.ch010, ISBN13: 9781668457412|ISBN10: 1668457415 |EISBN13: 9781668457429 (Indexed by ISI Web of Science, SCOPUS).
22. Book chapter "An Intelligent methodology for covid 19 risk prediction using swarms intelligence optimization- A machine learning perspective" Taylor and Francis book "Swarm Intelligence and Machine Learning: Applications in Healthcare". SIMLAH-2021, ISBN 9781032145792, DOI: DOI:[10.1201/9781003240037-1](https://doi.org/10.1201/9781003240037-1) (SCI)
23. Book chapter on "Managing Effects of Post Pandemic using Artificial Intelligence with Human Computer Interaction" is submitted to Elsevier book "Innovations in Artificial Intelligence and Human Computer Interaction in the Digital Era". It will be published in the Book Series of Elsevier entitled "Intelligent Data-Centric Systems" ISBN: 9780323998918, DOI:10.1016/B978-0-323-99891-8.00008-5 (Scopus/ SCI).
24. Book chapter “Predictive analytics of genetic variation in covid-19 genome sequence” “Data Science for Genomics - 2021”. Elsevier Book Series, Data Science for Genomics, Academic Press,2023,Pages 229-247, ISBN 9780323983525 ISBN: 9780323983525, DoI:10.1016/B978-0-323-98352-5.00020-3 (SCI).
25. Book chapter "Lexical modelling and weighted matrices for analyses of COVID 19 outbreak" Elsevier book "Effects of COVID-19 (Lessons from COVID-19: Impact on Healthcare systems and Technology)", Lessons from COVID-19. 2022 : 313–340. Published online 2022 Jun 24. doi: 10.1016/B978-0-323-99878-9.00005-4, PMID: PMC9347367 (SCI).
26. Book chapter "Predictive Analytics for Early Detection of covid 19 by Fuzzy logic" the upcoming book "Springer book ", Decision Sciences for COVID-19. International Series in Operations Research & Management Science, vol 320. Springer, Cham. https://doi.org/10.1007/978-3-030-87019-5_3. (Scopus).
27. Book chapter "Multimodal analysis of Cognitive and social psychology effects of +COVID 19 victims”, Book Series of Springer entitled "Decision Sciences for COVID-19" International Series in Operations Research & Management Science, vol 320. Springer, Cham. DoI:10.1007/978-3-030-87019-5_15. (Scopus).
28. Book chapter " Post-COVID Impact on Skin Allergies”, Data Science applications of Post Covid-19 Psychological disorders”, published by Nova Science publications, Infectious Diseases and Microbiology series, BISAC: MED022090, DOI: 10.52305/KRLL5890, October 2022, ISBN: 979-8-88697-165-1.
29. Book chapter " The Effect of Psychological Disorders on Students’ Academic Performance”, Data Science applications of Post Covid-19 Psychological disorders”, published by Nova Science publications, Infectious Diseases and Microbiology series, BISAC: MED022090, DOI: 10.52305/KRLL5890, October 2022, ISBN: 979-8-88697-165-1.
30. Book chapter “Impact of Post-COVID Syndrome in Hospitalized Patients”, Data Science applications of Post Covid-19 Psychological disorders”, published by Nova Science publications, Infectious Diseases and Microbiology series, BISAC: MED022090, DOI: 10.52305/KRLL5890, October 2022, ISBN: 979-8-88697-165-1.
31. Book chapter " Prediction of Mental Distress about COVID-19 among Higher Education Students in Odisha, India”, Data Science applications of Post Covid-19 Psychological disorders”, published by Nova Science publications, Infectious Diseases and Microbiology series, BISAC: MED022090, DOI: 10.52305/KRLL5890, October 2022, ISBN: 979-8-88697-165-1.
32. Book chapter " Post-COVID-19 Mental Disorder and Its Consequences”, Data Science applications of Post Covid-19 Psychological disorders”, published by Nova Science publications,

- Infectious Diseases and Microbiology series, BISAC: MED022090, DOI: 10.52305/KRLL5890, October 2022, ISBN: 979-8-88697-165-1.
33. Book chapter on “Quantum Computing and the Qubit: The Future of Artificial Intelligence” to IGI Global book “Handbook of Research on Quantum Computing for Smart Environments”, DOI: 10.4018/978-1-6684-6697-1.ch013, ISBN13: 9781668466971, ISBN10: 166846697X|ISBN13: 9781668466988 (Scopus).
 34. Book chapter on “Analysis of trends and challenges of public open data in healthcare industry using Artificial Intelligence” to book “New Trends and Challenges in Open Data” InTech open publishers, ISBN: 978-1-83769-591-1, DOI: 10.5772/intechopen.1001885
 35. Book chapter on “Futuristic Technologies for Smart Manufacturing: Research Statement and Vision for the Future” in book Automated Secure Computing for Next-Generation Systems, Nov 2023, pp.415-441, DOI:10.1002/9781394213948.ch21.
 36. Book chapter on “Artificial Intelligence–Blockchain-Enabled–Internet of Things-Based Cloud Applications for Next-Generation Society. in book Automated Secure Computing for Next-Generation Systems, Nov 2023, pp.65-82 DOI: 10.1002/9781394213948.ch4.
 37. Book chapter on “Artificial Intelligence-based Predicting Pattern Analysis of the Behavior” in book “Pattern Analysis of Personality Dimensions Using Artificial Intelligence” Cambridge Scholars publications as an Editor, PP: 1-25, ISBN: 1-5275-5381-7, ISBN13: 978-1-5275-5381-1.
 38. Book chapter on “Predicting Conscientiousness with Ensemble Learning” in book “Pattern Analysis of Personality Dimensions Using Artificial Intelligence” Cambridge Scholars publications as an Editor, PP: 59-81, ISBN: 1-5275-5381-7, ISBN13: 978-1-5275-5381-3.
 39. Book chapter on “Predicting User Behaviour Pattern through Weblogs” in book “Pattern Analysis of Personality Dimensions Using Artificial Intelligence” Cambridge Scholars publications as an Editor, PP: 1-25, ISBN: 1-5275-5381-7, ISBN13: 978-1-5275-5381-6.
 40. Book chapter on “Introduction of social determinants of cognitive factors” “ in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 41. Book chapter on “Effects of economic stability during epidemics” “. in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 42. Book chapter on “Deep learning model of social and community impact during epidemics” “ in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 43. Book chapter on “Discrimination and global unemployment during pandemic” in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 44. Book chapter on “Perceived social support and coping skills by using social demographic features” in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 45. Book chapter on “Challenges and privacy concerns of self-efficacy” in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 46. Book chapter on “The risk factors of sociocultural and demographic factors” in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 47. Book chapter on “Deficits in attention epidemic fake news in social networks” in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
 48. Book chapter on “predictive analytics of covid-19 patients in ICU mortality risk” in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.

49. Book chapter on “Predictive analytics of covid-19 patients in icu mortality risk” in book Social determinants trends in the cognitive analysis of healthcare analytics using Artificial intelligence, , Nova Science publications ISBN: 979-8-89113-774-5, series: Research Methodology and Data Analysis, BISAC: COM004000,DOI: 10.52305/OZSA0684.
50. Book chapter on “Issues and Challenges of Intelligent IoMT for Edge Computing” in book Health 5.0: Concepts, Challenges, and Solutions (1st ed.). CRC Press, 2025 Doi: [10.1201/9781003393498-6](https://doi.org/10.1201/9781003393498-6).
51. Book chapter accepted on “ Impact of Cognitive Computational Models in neuroscience, to book “ Emerging Technologies in Computational Cognitive Neuroscience” InTech open publishers, Print ISBN : 978-1-83634-962-4, ISBN:978-1-83634-961-7.
52. Book chapter accepted on “ Introduction to Cognitive Computational Models in neuroscience, to book “ Emerging Technologies in Computational Cognitive Neuroscience” InTech open publishers, Print ISBN : 978-1-83634-962-4, ISBN:978-1-83634-961-7.
53. Book chapter on “ Precision Healthcare: Objectives, Challenges and Solutions” in book Precision Healthcare: Objectives, Challenges, and Solutions, Precision Healthcare: Patient Care, Decision Tools, Wearables, Legal and Ethical Issues (2025) 1: 1.DoI:10.2174/9798898813512125010004.
54. Book chapter on “ A Novel Analysis of Block Chain Technology Techniques for Smart Healthcare” in book “Blockchain solutions for securing IoT networks: Practical applications and case studies”, Wiley-Scrivener Publishing 2025.
55. Book chapter on “ Applications and Techniques of Block chain for Smart Homes” in book “Elsevier book series on "Advances in Digital Twin Computing and Sensor Networks", 2025.
56. Book chapter on “ Security challenges in Social internet of things systems (SIoT)” in book “Social Internet of Things (SIoT) and Machine Learning - Enhancing Interconnectivity and Intelligence”, Springer Publishing 2025.
57. Book chapter on “ The Confluence of Digital Twins and Precision Agriculture: A Roadmap for Smart Farming”, in book “Next-Gen Omics and Computational Tools in Agricultural Microbiology”, Apple Academic Press, 2025.

Innovation

1. Awarded “**Silver Medal**” in recognition of creative efforts to invent “**A Novel approach to predict emotional intelligence in autism kids using AI techniques**” exhibited at **Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition** on “Thailand inventors’ day 2020, National Council of Thailand 2-6 Feb. 2020.
2. Awarded “**Gold Medal**” in recognition of creative efforts to invent “**Time Series: COVID-19 Outbreak Prediction**” exhibited at **Poland International Innovation and Invention Fair-Ennovate, 2021**.
3. Awarded “**Silver Medal**” in recognition of creative efforts to invent “**Commuter: Making your public commute easy and reliable. Public Transport. Reimagined**” exhibited at Poland International Innovation and Invention Fair-Ennovate 2021.
4. Awarded “**Silver Medal**” in recognition of creative efforts to invent “**skin disease identification using image analysis**” exhibited at Poland International Innovation and Invention Fair- Ennovate 2021.

Keynote Speaker:

- Delivered a keynote on “**Analysing cancer cells in blood image segmentation and Text Analytics and sentimental analysis on ecommerce web sites**” @ IREHI 2018, Germany.

Publication list

Journals

1. V.Kakulapati et al., “Self-aware COVID-19 AI approach (SIntL-CoV19) by integrating infected scans with internal behavioral analysis “International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169 Volume: 11 Issue: 3, DOI: <https://doi.org/10.17762/ijritcc.v11i3.6205>. (Scopus)
2. V.Kakulapati et al., “Optimal Control Strategy for COVID-19 developed using an AI-based learning method “Journal of Experimental & Theoretical Artificial Intelligence, 1–18.16 Sep 2023, DOI: 10.1080/0952813X.2023.2256733. (Web of Science)

3. V.Kakulapati et al., "A novel method of fraud detection of credit cards by fuzzy, LSTM, and PSO optimization" "International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 11 Issue: 7, PP: 229-234, DOI:10.17762/ijritcc.v11i7.7850ISSN: 2321-8169. (Scopus)
4. V.Kakulapati et al., "Student Engagement Prediction in Online Session", International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, Volume: 11 Issue: 2, PP:43-47 DOI: <https://doi.org/10.17762/ijritcc.v11i2.6108> (Scopus).
5. V.Kakulapati et al., "Importance of Artificial Intelligence in Neural Network: Speech Signal Segmentation Using K-Means Clustering with Kernelized Deep Belief Networks", International journal of Intelligent Systems and Applications in Engineering, ISSN: 2147-6799, Feb, 2023, 11(3s), 144–149 .(Scopus)
6. V.Kakulapati et al., "Bayesian Optimization-based Diagnosis of Covid-19 Chest X-Rays -AI prospective", Int J Pharm Sci & Res 2023; 14(4): 1000-13. DOI: 10.13040/IJPSR.0975-8232.14(4).1000-13 (Scopus).
7. V.Kakulapati et al., ""AODV (ST_AODV) on MANETs with Path Security and Trust-based Routing", International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169. DoI: 10.17762/ijritcc.v10i11.5772 (Scopus).
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9. V.Kakulapati et al., " Manufacturing process rejection analysis of heavy-duty gear reduction starter motor" Volume 59, Part 2, 2022, Pages 1295-1300, <https://doi.org/10.1016/j.matpr.2021.11.520>, (Web of Science)
10. V.Kakulapati et al., "Design and Modelling of Coin Sorting Machine" Natural Volatiles & Essential Oils, 2021; 8(4): 8202-8208. (Scopus).
11. V.Kakulapati et al., "Predictive analytics of BMI using captured image analysis by convolutional neural network" " Journal Medical Pharmaceutical and Applied Sciences " (IJMPAS), Volume-10 Issue-6, November-December 2021 , DOI:[10.22270/jmpas.2021.V10I6.1656](https://doi.org/10.22270/jmpas.2021.V10I6.1656) (Scopus).
12. V.Kakulapati et al., "Risk analysis of coronavirus caused death by the probability of patients suffering from chronic diseases - a machine learning perspective". JCR. 2020; 7(14): 2626-2633. Doi:10.31838/jcr.07.14.499.
13. V.Kakulapati et al.,"State-wise prevalence of COVID 19 in India by using machine learning approaches" International journal of Pharmaceutical research ISSN: 0975-2366, Jul - Dec 2020 | Vol 12 | Supplementary Issue 2, pp:2855-2859. doi.org/10.31838/ijpr/2020.SP2.295. (Scopus).
14. V.Kakulapati et al., "Comparative analysis of Data Privacy Preservation Techniques Utilization in Clinical Records" International journal of Pharmaceutical research, Jan - Jun 2020 | Vol 11 | Issue 1, ISSN: 0975-2366, doi: 10.31838/ijpr/2020.SP1.244, pp:1697-1701 (Scopus).
15. V.Kakulapati et al.,"Predictive analytics of hr - a machine learning approach" , Journal of Statistics & Management Systems, Taylor and Francis ISSN 0972-0510 (Print), ISSN 2169-0014 (Online) DOI: 10.1080/09720510.2020.1799497. (Web of Science)
16. V.Kakulapati et al., "Ontology based sentimental knowledge in predicting the product recommendations: a data science approach" International Conference on Sustainable Computing in Science, Technology and Management will be held in January 20 - 22, 2020 | Amity University Rajasthan, Jaipur, India. Published in Journal of Discrete Mathematical Sciences & Cryptography (JDMSC), volume 23, issue1, 20 April 2020, DOI: 10.1080/09720529.2020.1721676. (Web of Science)
17. Journal paper "Predictive analytics of brain Tumor analysis via recurrent neural networks". International Journal of Pharmaceutical Research | Apr - Jun 2020 | Vol 12 |Issue, ISSN: 0975-2366 2 ,Doi: [10.31838/ijpr/2020.12.02.0092](https://doi.org/10.31838/ijpr/2020.12.02.0092). (Scopus).
18. V.Kakulapati et al., "Curvelet Transform Based EEG Signal Analysis using PCA" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020. Doi : 10.35940/ijitee.C8479.019320 (Scopus).
19. V.Kakulapati et al.,"A Framework base analyzing cancer cells in blood Image segmentation by using conventional neural networks" International Journal of Pharmaceutical Research | Oct - Dec 2019 | Vol 11 | Issue 4, ISSN: 0975-2366, Doi: 10.31838/ijpr/2019.11.04.208. (Scopus).
20. V.Kakulapati et al.,"Data Deduplication Techniques for Big Data Storage Systems" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume 8 Issue 10, August 2019, DOI: 10.35940/IJITEE.J9129.0881019. (Scopus).

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22. V.Kakulapati et al., “A textual framework for contour retrieval using sub-multiple contours striking spread position learning “, International Journal of Information Technology, Springer series, ISSN 2511-2104, DOI 10.1007/s41870-020-00425-9. (Scopus).
23. V.Kakulapati et al.,“Prioritization of Key Objectives during Floods” International Journal of Engineering and Advanced Technology (IJEAT)’ at Volume-8 Issue-2, December 2018, ISSN: 2249 – 8958, pp: 72-75 (Scopus)
24. V.Kakulapati et al.,“Predictive Analytics of Emotional Intelligence in Women Suffering With Breast Cancer” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-6C, April 2019 , pp:29-32. (Scopus).
25. V.Kakulapati et al.,“Efficient way of implementing the Random and GM (Gauss-Markov) mobility model in MANET” International Journal of Engineering & Technology, volume 7, issue 2.7, Mar, 2018, pp.270-273, DOI: 10.14419/ijet.v7i2.7.10595. (Scopus).
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28. V.Kakulapati et al.,“A framework for personalization using query log and Click through data”, International Journal of Computer Engineering & Technology (IJCET), Volume 5, Issue 2, February (2014), pp. 117-129, ISSN 0976 – 6367(Print), ISSN 0976 – 6375(Online).

Conferences

1. Conference paper on “**Automatic Motorcyclist Helmet Rule Violation Detection using LIME or RNN and PNN**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_170.
2. Conference paper on “**Generating Synthetic Images from Text using RNN and BiLSTM**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_171.
3. Conference paper on “**SmartGuard: Advanced Security System with YOLOv8**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_174.
4. Conference paper on “**A Novel Approach for Recognizing and Eliminating Escalation Attack using AI techniques**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_164.
5. Conference paper on “**AI-enabled Facial Redesign: Crafting Personal Features with Generative Adversarial Networks**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_163.
6. Conference paper on “**Risk Analysis of Mental Health Using Chatbot based on Text Detection Model**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_165.
7. Conference paper on “**Analysis of Most Played Telugu Songs on Spotify**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_55.
8. Conference paper on “**Ensemble Model for Exploratory Data Analysis and Prediction of Cardiomyopathy**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_131.
9. Conference paper on “**A Novel Approach of Superstore Sales Data by EDA and ARIMA**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_162.
10. Conference paper on “**Enhancing Accent-to-Accent translation using Python**”, (2025). Automatic Motorcyclist Helmet Rule Violation Detection Using LIME or RNN and PNN. 10.1007/978-981-95-0269-1_54.
11. V.Kakulapati et al., “An Intelligent analysis of Waste Identification and Segregation using Swarm optimization”, CMR Technical Campus, Hyderabad August 2024, Intelligent Computing and Communication. ICICC 2024. Lecture Notes in Networks and Systems, vol 1240. Springer, Singapore. [Doi: 10.1007/978-981-96-1264-2_19](https://doi.org/10.1007/978-981-96-1264-2_19), pp:211–221 (Best Paper Award) (Scopus).

12. V.Kakulapati et al., Spam Discovery in IoT Devices Using Time Series Data, CMR Technical Campus Hyderabad 30-31 August 2024, Intelligent Computing and Communication. ICICC 2024. Lecture Notes in Networks and Systems, vol 1240. Springer, Singapore Doi: 10.1007/978-981-96-1264-2_20, pp:223-233(Scopus)
13. V.Kakulapati et al., "Smart Health Wellness: Detection and prevention of a user-health risk using a machine learning model, CMR Technical Campus, Hyderabad during 30-31 August 2024, Intelligent Computing and Communication. ICICC 2024. Lecture Notes in Networks and Systems, vol 1240. Springer, Singapore. https://doi.org/10.1007/978-981-96-1264-2_30 pp 337–348 (Scopus).
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15. V.Kakulapati et al., "Retina Guard AI: Harnessing multimodal diagnosis of Diabetic Retinopathy", Soft Computing and Signal Processing. ICSCSP 2024. Lecture Notes in Networks and Systems, vol 1221. Springer, Singapore. Doi:10.1007/978-981-96-0924-6_19, PP:229-242. (Scopus)
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25. V.Kakulapati., "Analysis of monkey pox (MPOX) detection using UNETS and VGG16 weights', Proceedings of Data Analytics and Management. ICDAM 2023. Lecture Notes in Networks and Systems, vol 788. Springer, Singapore., PP: 321-332 https://doi.org/10.1007/978-981-99-6553-3_25. (Scopus)
26. V.Kakulapati et al., "Detection of Glaucoma Using MobileNet, XAI and IML' to Advances in Machine Learning and Big Data Analytics I, ICMLBDA2023, Springer Proceedings in Mathematics & Statistics, vol 441. Springer, Cham, Doi: 10.1007/978-3-031-51338-1_45. (Scopus)
27. V.Kakulapati et al., "Risk analysis of covid-19 patient's mortality rate in emergency ward", Advances in Machine Learning and Big Data Analytics I, ICMLBDA2023, Springer Proceedings in Mathematics & Statistics, vol 441. Springer, Cham. DoI: 10.1007/978-3-031-51338-1_50. (Scopus)
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30. V.Kakulapati et al., "Optimized analysis of emotion recognition through speech signals' to ICSCSP 2023_Volume1' Soft Computing and Signal Processing. Lecture Notes in Networks and Systems, vol 840. Springer, Singapore. https://doi.org/10.1007/978-981-99-8451-0_4, ISSN: 2367-3370**(Scopus)**
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Key Roles and Responsibilities

- HoD @ Nizam college
- Vice principal and HoD, CSE- SWEC
- Board of studies member –SNIST
- R &D and Project coordinator –IT, SNIST

Workshop /conferences organized:

1. Organizing Secretary for one-week Faculty development program (online mode) in Data Science in Real-time applications from 23.11.2020 to 28.11.2020.
2. Organized as an organizing secretary of A two-day National Conference. “Predictive Analytics: Information Technology and management”, at SNIST on June 21st and 22nd 2018.
3. Organized as a coordinator of IUCEE Speed Work Shop at Guru Nanak Institutions Technical Campus on Sep 15-17th 2014.
4. Organized as a convener of “Automata & Compiler Design” work shop at Sridevi Women’s College of Engineering founded by AICTE under Seminar Grant July 20-21st 2012.
5. Organized as an Organizing Secretary of Three-day work shop on “Architecting Software for the Cloud” at Guru Nanak Institutions Technical Campus founded by DST under Seminar Grant. SB/SS/169/15-16 dated 18/06/2015_Sep 7 -9th 2015.

Review board member:

1. Review Board member of International Journal of computers & technology (IJCT) since 2018.
2. Review Board member of ICICSE 2013, 2014 and 2015.
3. Review Board member of 2014 International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery.
4. Review Board member of 2014 Egyptian Informatics Journal.
5. Editorial Board member of American Association of Science and Technology
6. Track manager for ICTIS, ICCII and ICDECT conf.
7. www.computer.org/csdl/proceedings/cyberc/2014/6236/00/6236z017.pdf
8. <https://www.waset.org/Committees/computer-and-information-engineering>
9. Review board member of Journal of Big Data, Springer publications.
10. Review board member of Oriental Journal of Computer Science and Technology.
11. Review board member of Implementation Science, Elsevier Journal.
12. Review board member of International Journal of Communications, Network and System Sciences (IJCNS), since 2018.
13. Review board member of Advances in Science, Technology and Engineering Systems Journal (ASTESJ).
14. Review board member of IAJIT.
15. Review board member of IEEE Transactions on Computational Social Systems.
16. Review board member of journal of computer Science, science publications since 2022.
17. Review board member of Qeios post-publication open evaluation and discussion

Book Chapter Edited:

1. Three chapters edited in book title “ Perspectives on Technical, Privacy, and Security Challenges in a Modern World”, IGI global, 2022
2. Two chapters edited in book title “AICOVID19” Springer Nature, 2020
3. Two chapters edited in book title “Advances in Soft Computing and Machine Learning in Image Processing ” Springer Nature in 2017.
4. Five chapters edited in book title “Handbook of Research on Nature-Inspired Soft Computing and Algorithms” IGI Global, 2017.
5. Three chapters edited in book title “Impact and Role of Digital Technologies in Adolescent Lives” IGI Global
6. Two chapters edited in DS COVID 19-2021.

7. Three chapters edited in book title “Using Multimedia Systems, Tools, and Technologies for Smart Healthcare Services” Publisher: IGI Global.

Track chair:

1. Special track “EHIR: Elderly Health Informatics and Robotics - Socialization Challenges and Issues”, HUSO 2019, The Fifth International Conference on Human and Social Analytics, June 30, 2019 to July 04, 2019 - Rome, Italy.
2. Special track “Advanced and applied informatics “The seventh International conference on Advances in computing, communication and Informatics, 2018 at Bangalore.
3. Programme committee member of GUCON-2019, GUCON-2020
4. Programme committee member of IREHI18, Dec 3, 2018 - Dec 4, 2018 and many more conferences.

Editorial Board Member

1. *SCIREA Journal of Computer*
2. JAMAER - Journal of Automotive Mechanical & Aerospace Engineering Research ISSN: 2229-9270
3. JEECER - Journal of Electrical, Electronics & Computer Engineering Research ISSN: 2229-9289
4. JETR - Journal of Engineering Technological Research ISSN: 2229-9262
5. JETMS - Journal of Engineering Technology & Management Science ISSN: 2229-9254
6. Technology Today: ISSN: 2180-0987
7. The Technology World: ISSN: 2180-1614 Engineering Today: ISSN: 2180-0995
8. Journal of Engineering Today, India. ISSN-0974-8377
9. Medical Technology World, Chennai, India. TN ENG/2000/6449
10. Academic editor of PLOS one
11. *Editorial board member of IAJIT*
12. Editorial board member of International Journal of Communications, Network and System Sciences (IJCNS), since 2018.
13. Advisory Editorial Board member of “IGI Editorial Discovery”.
14. Associate Editor in aptikom journal on computer science and information technologies.
15. Editorial Board member of Tiny foxx publication International Journal of Scientific Innovation and Technology (IJSIT) since 2021.
16. Editorial Board member of Science publishing group, International Journal of Data Science and Analysis (IJDA) since 2022

Workshop resource person:

1. Resource person for the workshop on the theme of Recent Trends in Data Warehousing and Data Mining at Malla Reddy College of Engineering and Technology during 28 to 30 August, 2008. I have received good appreciation from the audience and the management.
2. Resource person for FDP “R and Hadoop programming” at Sreenidhi Institute of Science and Technology, 14th November 2017 on “Real time Applications of Big data analytics”.
3. Resource person for National Workshop on “Big Data Analytics-Real Time Approach” conducted by ECM department at Sreenidhi Institute of Science and Technology, 17th to 22 Dec 2018 on topic “Predictive analytics in Healthcare informatics.
4. Resource person for National Workshop on “Data science and R programming” conducted by ECM department at Sreenidhi Institute of Science and Technology, July 22nd to 27th 2019 on topic “Data Science applications and use cases”.
5. Resource person for National Workshop on “Artificial Intelligence and Deep learning” conducted by IT department at Sreenidhi Institute of Science and Technology, 8th July to 13th July 2019 on topic “Deep learning applications”.
6. Delivered Expert lecture on “Big Data and project management” for participants of Rural Development, Panchayati Raj, ZPs, DRDAs, SIRDs, ETCs, Education, Agriculture, Water & Soil conservation and Forests & Environment at Centre for Information Communication Technology (CICT) of NIRDPR on 08.08.2018.

Guest lecture

1. Delivered expert lecture on “Big Data in Health care Domain” for CSE students of Malla Reddy college of Engineering for Women (RG) on 26.03.2017.

2. Delivered expert lecture on “Big Data in Health care Domain” for CSE students of Gopal Reddy College of Engineering and Technology on 8.06.2017.
3. Delivered expert lecture on “Big Data in Health informatics” for CSE students of TRR college of Engineering on 16.11.2016.
4. Delivered expert lecture on “Big Data applications” for CSE students of TRR college of Engineering on 15.12.2016.
5. Delivered expert lecture on “Data Mining” for IV CSE students of Sree Datta Institute of Engineering and Sciences on 22.02.2014.
6. Delivered expert lecture on “Web Mining” for IV CSE students of TRR College of Engineering on 27.06.2014.
7. Delivered expert lecture on “Database Security” for IV CSE students of Sree Datta Institute of Engineering and Sciences on 23.10.2013.
8. Delivered expert lecture on “Recent Trends in Information Retrieval Systems” for M. Tech students of TRR Engineering College on 3.12.2013.
9. Delivered expert lecture on “Database Management systems” for 2nd Year CSE students of Sree Datta Institute of Engineering and Sciences on 03.08.2012.

Conference participation:

1. Participated in “The 25th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-2010), from May 11-14, 2021, virtual conference, Hyderabad.
2. Participated in an *AICTE, CSIR, DST & TCS Sponsored* National Conference, Organized by TCE - Thiagarajar College of Engineering [Autonomous], Madurai, Tamil Nadu (India) in association with Kerala Mathematical Association, Kerala (India) on Sep 27-29, 2007.
3. Participated in “The 14th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-2010), from June 21-24 June, 2010 at IIIT and HICC, Hyderabad.
4. Participated in “National conference on Research Trends in Computer Science And Technology-2012” organized by CMR college of Engineering and Technology, Hyderabad, Jan 27-28th, 2012.
5. Participated in “Conference on Management of Data” (COMAD -2014), from June 18 & 19 Dec 2014 IIIT and Hyderabad.
6. Participated in “International Conference on Innovations and Advancements in Computing” (ICIAC -2016), from March 18 & 19 2016 Gitam University, Hyderabad.

Workshop & FDP participation

1. Dr Vijayalakshmi Kakulapati attended Online FDP on "Convergence of Artificial Intelligence, Machine Learning & Data science for Engineering Applications" organized by E & ICT Academy, NIT Warangal Department of CSE, Gandhi Institute of Engineering & Technology University, Gunupur, Odisha, India sponsored by Ministry of Electronics and Information Technology (MeitY), GoI, from 16th -27th August, 2021.
2. Attended webinar on “AI getting used in impact of covid 19” organized by Institute of Engineering research and publications on 14th June 2020..
3. Attended webinar on Artificial Intelligence Myths and Realities” on 29th November 2020 organized by Career Development Centre Perambra, Kozhikode, Kerala.
4. Attended one-week online FDP on “Artificial Intelligence” organized by Sri Venkateshwara Engineering college in collaboration with national youth council of India and Brain O Vision Solutions ltd from May 22nd to May 26th 2020.
5. Attended one-week online FDP on “Artificial Intelligence and Machine learning” organized by CMR Technical campus from May 18th to May 22nd 2020.
6. Attending two-week online FDP on “FDP on Artificial Intelligence and Deep Learning” organized by TASK from 17th Aug to Aug 28th 2020.
7. Attended webinar on “Data Science for Prediction of Outbreak of COVID-19” organized by Department of Computer Applications, Manipal University Jaipur on June 12th 2020.
8. Attended One-week online FDP on “High Quality Medical diagnosis using Data Science for Societal Benefits” organized by Department of Information Technology, Velgapudi Ramakrishna Siddhartha Engineering College, Vijayawada, 21st to 25th September, 2020.
9. Attended AICTE sponsored six-day short term training program on “Cognitive inspired computing for machine learning phase II” organized by Department of Computer Science and Engineering, Hindustan University, 7th to 12th September, 2020.

10. Attended AICTE sponsored six-day short term training program on “Machine learning and IoT for Industrial applications” organized by Department of EEE, Dr. N.G.P. Institute of Technology, Coimbatore 24th to 29th August, 2020.
11. Attended “Data Visualization using Tableau” at 360DigiTMG Private Limited, Hyderabad, Telangana 500081
12. Attended “Machine learning Techniques” at Vision cog Research and Development, Thiruvananthapuram, Kerala
13. Attended for FDP organized by BVRIT College for women, Hyderabad on Data Science and BIG Data Analytics from 6.3.17 to 11.3.17 in collaboration with ICT and NIT Warangal.
14. Attended for FDP organized by SNIST, Hyderabad on Social and web analytics from 14.11.17 to 18.11.17 in collaboration with IBM.
15. Attended for FDP organized by SNIST, Hyderabad on Business Analytics from 5.6.17 to 12.6.17 in collaboration with IBM.
16. Attended for the one-week Faculty Development Programme (FDP) on Internet of Things (IOT) Using Raspberry Pi 3 from 28th November 2016 to 3rd December 2016 at SNIST organized by Sreenidhi Institute of Science and Technology in Collaboration of Cognizance and IIT Roorkee.
17. Attended for the one-week Faculty Development Programme (FDP) on Research Methodology and Data Analytical Tools 3 from 5th December 2016 to 10th December 2016 at SNIST organized by Sreenidhi Institute of Science and Technology.
18. Attended for Twenty-day workshop on Python programming organized by Department of Computer Science, Department of college of science Osmania university, and Hyderabad on Python programming from 1.2.17 to 20.2.17
19. Attended for the workshop on the theme of Wireless Communications at JNTUH organized by UGC and JNTUH.
20. Attended for the workshop on the theme of Advanced Developer Technologies on 30th March 2009 organized by Microsoft Corporation and CMRCET
21. Attended for the workshop on the theme of Data and Web Mining Dec 1-3rd 2010 organized by Ace Engineering College.
22. Attended for the workshop on the theme of cloud computing Dec 21 2012 organized by RRS college of Engineering and Technology and Vyas Informatics ltd.
23. Attended for FDP on the theme of Web Technologies and testing organized by Guru Nanak Institutions Technical Campus, June 17th – July 1st 2013.
24. Attended for FDP organized by JNTUH e-Learning Conducted by Globarena Technologies Pvt. Ltd held at Bharat Institute of Engineering and Technology Hyderabad, August 21st 2014
25. Attended for the workshop on the theme of Big Data Analytics organized by dept of IT, Muffakham Jah College of Engineering and technology in association with IEEE CIS Hyderabad Section and ACM.
26. Attended for the workshop on the theme of BlueMix Enablement Sep 11 2014 organized by IBM at Gitam University.
27. Attended one day workshop on the theme of Academic Leadership Development Program organized by Institute of Public Enterprise, Shamirpet, Aug 22nd 2015.
28. Attended for the one-week Faculty Development Programme (FDP) on Art of Professional teaching from 28th November 2016 to 2nd December 2016 at SNIST organized by Sreenidhi Institute of Science and Technology.

M. Tech Guidance: 20+

Project handled: M.Tech/MCA/M. Sc (IS)/B. Tech/B.C.A Project Guided 85+