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| Name of Faculty | Dr D L Sreenivasa Reddy | | |
| Designation | Associate Professor | | |
| Nature of Job/Appointment | Regular | | |
| Date of Joining | 20 - 10 -2017 | | |
| E-mail | dlsrinivasareddy_it@cbit.ac.in | | |
| Education Qualifications | **Name of the Degree** | | **Class** |
| Ph. D | Ph.D. (CSE) | | **Awarded** |
| PG | M.E(CSE) | | Distinction |
| | M.Sc (Systems Theory &Computer Modeling Maths) | | Distinction |
| UG | B.Sc (MPC) | | First Class |

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|---|---|
| Work Experience | |
| Teaching | 18 Years |
| Research | 8 Years |
| Industry | ---- |
| Others | ---- |
| Area of Specialization | Machine Learning, Deep Learning, Artificial Intelligence |
| Professional Memberships | Life member ISTE**:** LM 73327<br>Associate Member in Institute of Engineers: AM186429-5<br>Charted Engineer in Institute of Engineers: AM186429-5 |
| Responsibilities held at Institution Level | 1. Head of the department, MCA from 20-10-2017 to 1-11-2021<br>2. Member, NIRF Team of CBIT, from 2020<br>3. Member, Patent Committee of CBIT, from 12-4-2021<br>4. Member , IQAC of CBIT from 12-4-2021<br>5. Member, CGC of CBIT from 31-3-2022<br>6. Member, Academic Planning and Evaluation Committee of CBIT from 12-4-2021<br>7. Member, College Admission Committee of CBIT from 12-4-2021<br>8. Single Point of Contact(SPOC) for AIML-AWS, CBIT from 2021 to 2022 |
| Responsibilities held at Department Level | 1. BOS chairman, MCA, from 20-10-2017 to 1-11-2021<br>2. R & D Coordinator of IT Department from 2017<br>3. Convener for Departmental Research Committee, IT, from April 2021<br>4. Member Course Expert Group |
| Research Guidance | Seven Scholars are working under my guidance |
| Courses Handled at Under Post Graduate Level. | Machine Learning, Deep Learning, Artificial Intelligence, Artificial Neural Networks, Discrete Mathematics, Data Mining and Data Warehousing, Cloud Computing, Information technology and Management. |

| No. of Papers Published | National Journals – 0 | International Journals –26 |
|---|---|---|
| | National Conference – 1 | International Conference –08 |

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| Projects Carried out | DST-SERB-CRG funded - CRG/2021/001660, A New Model for Short Term Forecasting of Scintillations using Machine Learning Approach and Generation of Regional Scintillation Maps, Range Amount: Rs 37, 04, 360. (On Going) |
| Patents | Application: 201941024479, FUZZY Neural Network Based Pid Control System and Method Thereof For Industrial Process Control. |
| Technology Transfer | Nil |
| Awards received | Topper in NPTEL Course " Database  Management Systems" conducted by IIT Kharagpur, 2017 |

Invited Speaker and Prominent appointments (A Few Important/Prominent)

1. Appointed as SPECIAL OBSERVER for TS EAMCET–2022 entrance test conducted on 18th,19th and 20th July, 2022 (FN & AN) by Convener-TS EAMCET.

2. Appointed as Regional Coordinator for the TSLCRT–2022 entrance test conducted from 21-08-2022 by CONVENER, TSLCRT-2022.

3. Chaired as Technical Session in the International Conference on Computational Intelligence & Data Analytics (ICCIDA - 2022) in association with Springer organized by the Department of Information Technology, Vasavi College of Engineering, Hyderabad, Telangana, India, during 8-9 January 2022.

4. Chaired as Technical Session in the International Conference on Computational Intelligence & Data Analytics (ICCIDE - 2020) in association with Springer organized by the Department of Information Technology, Vasavi College of Engineering, Hyderabad, Telangana, India, 9th August-2020

5. As a Resource person for UGC Sponsored one week Short Term course on AI and ML organised by UGC Staff College, Osmania University, Hyderabad, 19th September-2022.

6. A presentation on Data Mining Techniques in IEEE and ACM Sponsored International Workshop on "Machine Learning Algorithms and Data Analytics" conducted by Thapar University, Patiala, Punjab, 13th June-2014.

7. As a resource person for DST Sponsored Workshop on "Challenges in Data Science and M.Sc (Data Science) course curriculum development" organized by Rayalaseema University, Kurnool, Andhra Pradesh, 29th -30th January, 2016. https://goo.gl/photos/xRQyn9yTq7FV4U5V6

8. As a resource person for **DST Sponsored Workshop on "Big Data Analytics and Challenges",** Organized by Rayalaseema University, Kurnool, Andhra Pradesh,  29-24th – 25th June, 2016.

9. As a resource person for MHRD Sponsored Workshop on "Data warehousing and Business Analytics", Organized by CBIT & NIT Warangal, Hyderabad, Telangana, April 25th –May 5th 2016.

10. As a resource person for one week **FDP under TEQIP-II on** "Big data & cloud computing" conducted by CSE department organized at CBIT, Hyderabad, Feb- 2017.

11. As a resource person for one week **FDP under TEQIP-II on** "Big data Analytics" conducted by IT department organized at CBIT, Hyderabad, 20-25 th Feb- 2017.

**REVIEWER**

1. Reviewer for IEEE Access from 2022
2. Reviewer for "Australasian Journal of Information Systems (AJIS)" from 2015
3. International conference on Computational Intelligence and Data Engineering, July 14-15, 2017
4. IEEE International Conference MicroCom-2016, Paper Reviewer, NIT-Durgapur, West Bengal, India.
5. International conference on Computational Intelligence and Data Engineering, July 14-15, 2018
6. International conference on Computational Intelligence and Data Engineering, July 14-15, 2019
7. International conference on Computational Intelligence and Data Engineering, July 14-15, 2020

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| No. of Books/Chapter Published with details | 1. Dr. Lakshmi Sreenivasa Reddy D, "Novel Outlier Analysis Methods to Improve Classifier Accuracy", **Lambert, Germany, ISBN: 978-3-659-75462-3** |

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).

1. Participated in ICAR sponsored ten days workshop on "Pre- Incubation" from 6th December to 17th December 2021
2. Participated in UGC sponsored one week STTP on "Cyber Security" from 16-20 MAY2022 organised by CBIT, Hyderabad
3. Participated in AICTE-ISTE approved Refresher Program on "Design Thinking and Innovations" During 7th JAN to 13rd Jan 2022 by NRI ITS, Guntur, AP
4. Convener, 1st INTERNATIONAL E-CONFERENCE ON EMERGING TRENDS IN CIRCUIT-BRANCH TECHNOLOGIES AND APPLICATIONS ETCTA-2021
5. Convener, 1st R&D Day 2019, CBIT
6. Regional Coordinator for Telangana State Police recruitment Test, 2022
7. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 11-5-2020 to 15-5-2020 at IIIT, Vadodara,
8. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Data Sciences" from 2020-9-7 to 2020-9-11 at University of Hyderabad.
9. Participated & completed successfully TEQIP- III Two Weeks workshop on "Internet of things" from 28th Sep to 10th October.
10. Participated in One Week FDP on "Role of Machine Learning & Data Sciences in AI" conducted by MGIT from 28th June to 2nd July 2020
11. Participated in UGC sponsored one week STTP on "Cyber Security" from 16-20 MAY2022 organised by CBIT, Hyderabad
12. Participated in AICTE sponsored six days STTP on writing and Publishing High Impact Research Publications and Scientific Documents 5th October to 10th October 2020. RMK college, Chennai
13. Participated in AICTE sponsored six days STTP on Supervised and Unsupervised Machine Learning Using Google Cloud from 12th October to 17th October 2020. RMK college, Chennai
14. Attended a work shop in IEEE -MITE-2013, Jaipur, Rajasthan, India.
15. PAKDD- Pacific-Asia conference on Knowledge Discovery and Data Mining, June 21-24, 2010, conducted by IIIT – Hyderabad, Hyderabad.
16. IEEE international conference on "Conference Organizers Workshop" (COW) conducted by IEEE Hyderabad Section, 13th October 2012, Visakhapatnam.
17. AICTE Sponsored Two week Faculty Development Programme, held at QIS College of Engineering and Technology, 16th-29th May 2013
18. Participated in Workshop on SMART Ph.D Planning held RMD College, 10th -11th Feb 2012.

19. Two weeks IEEE and ACM sponsored International Workshop on Machine Learning Algorithms and Data Analytics conducted by Thapar University, Punjab, 13th June-22th June, 2014.
20. Workshop on Research Methodology & IBM SPSS Statitistics-20.0 Conducted by JNTUH, 7th -9th September 2012.
21. Workshop on Writing Technical Papers held at RMD College, 31st March- 2012
22. One week Training on Campus Connect conducted by Infosys held at Rise Groups of Institutions, 25th -29th June 2012.
23. Training Rational Software Architect conducted by IBM held at Rise Groups of Institutions, 20th -23rd August 2012.
24. Two Weeks FDP on "Data Warehousing and Business Intelligence" In Collaboration with NIT-Warangal and sponsored by MHRD, Conducted at CBIT, Hyderabad, April 25th –May 5th 2016.
25. National Workshop on "MATLAB for Engineering Applications", Conducted at CBIT, Hyderabad with 200 participants, 11th-12th September 2015.
26. A Seminar has arranged on Crowd Sourcing with IEEE India Chair, Computer Science and Engineering Dr Deepak Garg at CBIT, Feb 2016.
27. A Seminar has arranged on Machine Learning Algorithms by IIIT, Hyderabad, at CBIT, Feb 2016.
28. International Workshop on Big data and Machine Learning-2014, conducted at RISE, Ongole, Nov 14th-16th, 2014, supported by IEEE Computer Society, India Chapter.
29. "Robotryst" Workshop conducted at RISE, Ongole, from 12th -14th Oct 2012 in association with IIT Delhi.
30. International workshop on "Big Data and Machine Learning" at CBIT from 27th -28th March 2017.

Details of Journal Publications/ Conferences (**National and International**)

1. Thirupathi Battu, Dr.D. Sreenivasa Reddy Lakshmi, Animal image identification and classification using deep neural networks techniques, Measurement: Sensors, Volume 25, 2023, 100611, ISSN 2665-9174, https://doi.org/10.1016/j.measen.2022.100611.

2. Md. Ghouse Mohiuddin, Dr.D. L. Srinivasa Reddy, "Discovery of Local Periodic Patterns in Temporal Data: A Novel Approach", The International journal of analytical and experimental modal analysis, Volume XV, Issue I, January/2023, page no.22-41, ISSN NO: 0886-9367.

3. Nageshwar Rao B, Dr.D.Lakshmi Sreenivasa Reddy, Harish Gujja et al. Brain MRI Segmentation Binary U-Net Based Architecture using Deep learning algorithm, 21 September 2022, PREPRINT (Version 1) available at Research Square https://doi.org/10.21203/rs.3.rs-1916275/v1

4. Rao, B.N., Dr.D.L.S.Reddy (2022). Brain MRI Noise Reduction Using Convolutional Autoencoder. In: Kumar, A., Fister Jr., I., Gupta, P.K., Debayle, J., Zhang, Z.J., Usman, M. (eds) Artificial Intelligence and Data Science. ICAIDS 2021. Communications in Computer and Information Science, vol 1673. Springer, Cham. https://doi.org/10.1007/978-3-031-21385-4_29

5. Md. Ghouse Mohiuddin, Dr.L.Srinivasa Reddy, "A Novel Technique for Temporal Frequent Itemset Mining", IJIRT, Volume 9, Issue 5,Page(s): 425 - 435 https://www.ijirt.org/Article?manuscript=156966

6. M. Ramchander, Dr Y. Rama Devi, Dr D. Lakshmi Sreenivasa Reddy, "Improving Classifier Accuracy using Random Forest with Cluster Sampling", The International journal of analytical and experimental modal analysis, Volume XIII, Issue VI, June/2021, ISSN NO:0886-9367, Pp:3078-3084

7. M. Ramchander, Dr Y. Rama Devi, Dr D. Lakshmi Sreenivasa Reddy, "Cluster Sampling to Improve Classifier Accuracy in Continuous Data", The International journal of analytical and

experimental modal analysis, Volume XIII, Issue VI, June/2021, ISSN NO:0886-9367, Pp:3071-3077

8. Lakshmi Sreenivasa Reddy D, Chinaramu, "Identification of Rare Diseases: An Outlier Analysis Approach", IJAER, ISSN 0973-4562 Volume 13, Number 14 (2018) pp. 11448-11453.

9. Lakshmi Sreenivasa Reddy D, M. Rajini, " Luster Sampling to Improve Classifier Accuracy for Numeric Data", IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019, pp:3685-3692

10. Lakshmi Sreenivasa Reddy D, " Cluster Sampling to Improve Classifier Accuracy for Categorical Data", ", IJAER, ISSN 0973-4562 Volume 14, Number 13 (2019) pp. 2995-3002

11. P Vasanth Sena, P Sammulal, Suresh Pabboju, D L Srinivasa Reddy, "A Mining Frame Work of CO-PO Attainment using Deep Learning Techniques", IJITEE ISSN: 2278-3075, Volume-9 Issue-4S2, March 2020. Pp: 60-64

12. B. Nageshwar Rao, D. Laxmi Srinivasa Reddy and G. Bhaskar, "Thyroid Diagnosis Using Multilayer Perceptron", Springer Nature Switzerland AG 2020, https://doi.org/10.1007/978-3-030-24322-7_56, PP:152-159

13. Thirupathi Battu , 2 Dr.D.Lakshmi Sreenivasa Reddy, "REVIEW ON AUTOMATICALLY IDENTIFYING WILD ANIMALS IN CAMERA-TRAP IMAGES USING CONVOLUTIONAL NEURAL NETWORK", JOURNAL OF CRITICAL REVIEWS, ISSN-2394-5125 VOL 7, ISSUE 04, 2020, pp:2378-2383

14. Dr. D. L. Sreenivasa Reddy, M. Rajini, " A Systematic Review on Learner's Learning Behavior and their Learning Abode", Sustainable Humanosphere ISSN: 1880 - 6503, | 2020, Volume: 16 Issue: 1, pp:231-235

15. Md. Ghouse Mohiuddin, Dr. L.Srinivasa Reddy, " A Novel Technique for Temporal Frequent Itemset Mining", IJIRT | Volume 9 Issue 5 | ISSN: 2349-6002, PP:425-435

16. Lakshmi Sreenivasa Reddy D , Mudimbi Krishnamurthy, "Big Data Analytics Issues and Challenges: A Survey" ISSN: 2321-8169, Vol 5, Issue 7, 2017, pp:136-140.

17. Chinaramu, Lakshmi Sreenivasa Reddy D, Prasuna, "TRACKING MULTI-TARGETS WITH UNIFIED HANDLING OF VIDEO", International Journal of Computer Engineering & Technology (IJCET),Volume 8, Issue 1, ISSN Online: 0976–6375. PP: 19-29, 2017

18. Dr Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Comparison between Classifier's Accuracies Based on Different Outlier Analysis Methods Generated by Frequent and Infrequent Categorical Data", Published in IEEE Xplore, 2016, DOI 10.1109/WAINA.2016.59

19. Dr Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Comparitive Study of Outlier Analysis Methods in Improving Classifier Accuracy on Categorical Data" IEEE Xplore, 2016, DoI: 10.1109/MicroCom.2016.7522476

20. Dr Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Comparison of Classifier's Accuracies from FAVF and NOFI for Categorical Data" Springer,2016, DOI 10.1007/978-81-322-2250-7_12.

21. Lakshmi Sreenivasa Reddy D, Dr. Ravindrababu and Dr. A. Govardhan , "Outlier Analysis of Categorical Data using NAVF" IJCSNS International Journal of Computer Science and Network Security, VOL.14 No.1, January 2014, pp:107-111

22. Lakshmi Sreenivasa Reddy D, Dr. Ravindrababu and Dr.A.Govardhan "Comparison of Classifiers Accuracies from FAVF and NOFI for Categorical Data", Information Systems Design and Intelligent Applications, Advances in Intelligent Systems and Computing Springer, vol.339, no.2, 2015, pp. 113-121.

23. Dr Lakshmi SreenivasaReddy D, M.Ramchander, "A Model for Improving Classifier Accuracy using Outlier Analysis Methods pp. 21-26" Artificial Intelligence and Machine learning, AIML, pp. 21--27, September 2015.

24. G.Veeranjaneyulu, Dr. D. Lakshmi Srinivasa Reddy "Countering Malware Propagations in Delay Tolerant Networks Using Game Analytics", IJIRAT, Vol 2, 2015, pp.102-106.

25. Gutlapalli Prabhakara Rao, D. LAKSHMI SREENIVASA REDDY, "An Analysis of Educational Data Mining (EDM) in Advanced Education System", IJSR, Vol 2013, 2015, pp. 2149-2153.

26. Mahesh Kunam, Dr. Lakshmi Srinivasa Reddy, "TDH: Accuracy- Constrained Privacy-Preserving Access Control Mechanism for Relational Data", IJMETMR, Vol 2, 2015, pp. 166-171.

27. Lakshmi Sreenivasa Reddy D, "Comparative Study of Improving Classifier Accuracy", IJRITCC, Vol, 2015. ISSN: 2321-8169, pp: 140-144

28. Nara Venkata Surendra Reddy, D  Lakshmi SreenivasaReddy "A Business Framework for Securing Data Storage over Cloud Environment using ECC Crypto System" IJSR,VOL 2014, pp.1709-1712.

29. Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Finding Peculiar Students from Student Database using Outlier Analysis: Data Mining Approach" IEEE xplore,2014,  DoI :10.1109/MITE.2014.7020262.

30. Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Decision Making System to Select Suitable Courses Based on Learner's Learning Styles using Outlier Analysis and Classification" IEEE-Xplore, 2014, DoI: 10.1109/MITE.2014.7020296

31. Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Efficient Model to Find Outliers in Categorical Data Using Outlier Factor by Infrequency" IEEE -ICCPCT-2014, IEEE Xplore, pp. 1324-1328.

32. Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Learning Styles Vs Suitable Courses" IEEE Xplore, 2014,  DoI:10.1109/MITE.2013.6756325

33. Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "Outlier Analysis of Categorical Data using Fuzzy AVF" IEEE - ICCPCT-2013, IEEE Xplore, pp. 1259-1263.

34. Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu "A Novel Approach to Find Outliers in Categorical Dataset" Elsevier -AEMDS-2013, pp. 905-912.

35. Lakshmi Sreenivasa Reddy D, Dr. Ravindrababu and Dr. A. Govardhan "Outlier Analysis of Categorical Data using NAVF," Informatica, vol. 17, no.1, 2013, pp. 5-13, DOI: 10.12948/issn14531305/17.1.2013.01.

36. Mudimbi Krishnamurthy, Dr. A. Govardhan and Lakshmi Sreenivasa Reddy D "A Model to Find Outliers in Mixed-Attribute Datasets using Mixed Attribute Outlier Factor", IJCSI, vol. 10, no.5, 2013, pp. 215-219.

37. Lakshmi Sreenivasa Reddy D , Mudimbi Krishnamurthy, Dr. A. Govardhan "A Model for Improving Classifier Accuracy for Categorical Data Using Outlier Analysis", IJCT, vol. 7, no.1, 2013, pp. 500-509.

38. Mudimbi Krishnamurthy, Dr. A. Govardhan and Lakshmi Sreenivasa Reddy D "Outlier Analysis of Categorical Data Using Infrequency ", IJCT, vol. 8, no.3, 2014, pp. 868-873.

39. A Kalpana and Lakshmi Sreenivasa Reddy D "A Novel Outlier Techniques to Find Outliers in Mixed Type of Relational Databases", CEAJ, vol. 2, no.1, 2013.

40. Lakshmi Sreenivasa Reddy D and Dr. Ravindrababu , Dr A Govardhan, "Outlier Analysis of Finding Suitable Courses Based on Students Learning Styles, IJERT,  ISSN: 2278-0181, Vol 1, Issue 5, 2012.