Name	:	Dr. **SRINIVASA RAO DAMMAVALAM**
Designation	:	Associate Professor & Head of the Department
Department	:	Information Technology
Mail.ID	:	srinivasarao_d@vnrvjiet.in, ithead@vnrvjiet.in
Contact No	:	9966232722
AICTE-ID	:	1-472710905
Date of Birth:		25-06-1978
Employee Code:		08ITD083
JNTUH Faculty ID:		55150404-164801

Experience (in years): Teaching: 18 years 3months Research Fellowship: 2 years (1Year MTECH project + 1Year Sponsored Project at University of Udine, Italy)

- BoS member for emerging courses; AI&ML,DS and AI&DS at JNTU, Kakinada
- Keynote Speaker for DATA'2021 Conference conducted at Petra, Jordan in April-2021
- Research fellowship at University of Udine, Italy for 2 years Jan 2007-Dec 2008
- Successfully Completed TWO sponsored projects, first one from AICTE (RPS) during 2011-13 and second one from TEQIP-III during 2019-21 respectively.
- Guest Editor for Machine Learning for Data Mining, Data Science and Data Analytics
- Deputed as BoS member for IT department at GRIET, Hyderabad
- Completed the advanced certification course on AI and ML from III Hyderabad, Jan 2020
- Applied and received the STTP Grant for the title "Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python" from AICTE during AY: 2020-21
- Applied and received ATAL FDP grant for the title "Exploring Machine Learning and Deep Learning Algorithms for NLP Applications" during AY: 2021-22
- Session Chair for ICAICR 2020 conference indexed by Springer with Web of Science
- Reviewer for various journals like Journal of Computer Science(JCS), Inderscience, IEEE Sensors Letters, IJBET, IJBIDM, IJSC.
- Program Committee Member/Reviewer for ICCIS 2020, ICCCT 2021, ICDSA 2021, ICICIAC2022, BHARAT-22 and ICICIAC2022
- Deputed as an External Examiner for project viva and Judge for project expo conducted at CVR, GRIET, IARE and GCET respectively

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	PhD, JNTU Kakinada	2017	CSE(Image Processing)
2	M.Tech, JNTUCEH	2007	IT
3	B.Tech, SVHCE, ANU Guntur	2000	CSE

2. Teaching and Learning:

- Teaching Interests: Operating Systems, Computer Organization, Object Oriented Analysis and Design, DBMS, Artificial Intelligence, Computer Networks, Computer Architecture, Advanced Computer Architecture, Distributed Systems, Ad-hoc and Sensor Networks, Cyber Security, Distributed Computing, Machine Learning, Soft Computing, Advanced Computer Networks.

3. Conference / Workshop / Seminar / Guest Lectures:
3.1 Conducted:

- Conducted ATAL FDP on Exploring Machine Learning and Deep Learning Algorithms for NLP Applications" during AY: 2021-22
- Conducted the AICTE STTP title "Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python from AICTE during AY: 2020-21
- Conducted FDP on AI and ML Phase- II during July 13th-17th 2020.
- Conducted FDP on AI&ML Phase-I for Engineering Applications during 08th-12th June 2020
- Conducted FDP on "Linux Administration, Latex Tutorial for writing research oriented documents and MATLAB programming, during 28-30 June 2018
- Conducted the Guest Lecture on Database Concepts for 2nd year students in January-2017
- Conducted certification course on Advanced Java Programming for 3rd B.Tech IT during Jan-2017-March 2017
- Conducted certification course on SQL for 2nd B.Tech IT during Jan-2017-March 2017
- Conducted and Participated in seminar on LAN switching and its protocols in Jan 2013

3.2 Attended:

- Attended the one week FDP on Recent Trends in Cognitive Science & its Applications organized from 13th March to 18th March 2023
- Attended the FDP on "Data Visualization for Deep Learning Using Power BI and Tableau conducted by IT and NITW, during 23rd-28th, February 2023
- Attended the One Week FDP on "Natural Language Processing (NLP)" during 13th to 17th February , 2023
- ATAL FDP attended on Data Science(ATAL -FDP) during 01-02-2021 to 05-01-2021 conducted by NIT Agartala
- ATAL FDP attended on Artificial Intelligence (ATAL-FDP) 25-01-2021 to 29-01-2021 conducted by BIT MESRA
- FDP on Machine Learning and Deep Learning Applications in Engineering & Science 16-05-2020 to 20-05-2020 conducted by GCE,Karad , Maharashtra
- Participated and certified on **AIML course at IIIT-Hyderabad** during September 29th-January 5th 2020
- Participated and certified from 5-day FDP on **MLDLAES conducted by Govt. College of Engineering, Karad Maharashtra** during 16th-20th May 2020
- Participated MHRD 4 week Programme on Innovation, patents and startups during April 28th-May 21st 2020
- Participated and certified in various webinars on mezzanine technologies during April to till day.
- Participated in one day workshop on **"AI and Deep Learning"** conducted at VNRVJIET, Hyderabad on 19/09/2019.
- Judge for Technical papers at VNRVJIET, Hydearabad and IARE Hyderabad
- Participated in guest lecture on "Evaluation Reforms in Higher Education" at VNRVJIET, Hyderabad on 13/09/2019
- Participated in workshop on "Collaborative Research" on 23/07/2019 at JNTUH.
- Participated in two-day workshop on **"IOT and Drones"** at VNRVJIET, Hyderabad during 26th-27th January 2019.
- CompletedNPTEL online course with Elite grade on**"DBMS"**during Aug-Sep 2018.

- Participated in three day hands on workshop on **"Artificial Intelligence and Deep Learning"** at CMRCET, Hyderabad during 14th-16th July 2018.
- Participated in one week refresher Programme on **"Intelligent Computing and Deep Learning"** day at VNRVJIET, Hyderabad during 14th-19th May 2018.
- Participated in 2 day FDP at IIT Hyderabad during 20th-21st Jan 2018.
- Deputed as a subject expert for JNTUH SCM interview (CSE&IT) at IARE on 18/02/18.
- Deputed as a External Examiner for M.TECH(CSE)Comprehensive Viva-Voce at GNITS on 04/01/18
- Participated in 2 day International conference INTER-ENG 2014, during 9th-10th Oct-2014
- Participated in 3 day International conference on Data Sciences, during 25th-28th Feb-2014
- Participated in seminar on LAN switching and its protocols in Jan 2013
- Participated in Two week audit course on research methodologies at JNTU Kakinada during May 1st – 15th 2013
- Participated in Two week audit course on Intellectual Property Rights and Patents at JNTU Kakinada during May 16th – 30th 2013
- Participated in Two day International conference, MVIP at PSG College of Technology, Coimbatore during Dec 14th – 15th 2012
- Participated in 5 day course on "Spatial Statistical Tools in Data Processing and Analysis" at ISI, Bangalore 25th-30th November, 2012.
- Participated in Two day International conference , ACITY at Chennai during July 13th – 15th 2012
- Participated in Three day International conference FANCCO,SEMCCO at ANITS,VIZAG, during Dec 19th – 21st 2011
- Participated in 2 day workshop on "ART OF TEACHING" at IIIT Hyderabad during 09th -10th December, 2011.
- Participated in 2 week AICTE sponsored workshop on real time signal and image processing at ECE/VNRVJIET during 06/06/2011 to 18/06/2011
- Participated in Three day International conference Geo Spatial World at Hyderabad during Dec 14th – 15th 2011
- Participated in 2-day International Workshop at JNTUH on Fuzzy Logic, Computer Arithmetic and Symbolic Computing during 09-10-10 to 10-10-10 by Aurora's group.
- Participated in 2 day workshop at IIITH on open source technology toolkit on 23- 12-09 to 24-12-09
- Participated in one day seminar at JNTUH on Trends in R&D-Academic Perspective on 22-08-09
- Participated in One week workshop on "Operating Systems" conducted by IUCEE 2009 at Infosys Center, Mysore from June 29th to July 3rd 2009.
- Participated in One week workshop on "Pervasive Computing" at Pordenone University, Pordenone, Italy in April 2008.
- Participated in two week AICTE Short Term Training Programme on "Soft Computing" at BIT Mesra in December 2004.
- Participated in two week AICTE Short Term Training Programme on "Real Time Systems" at SNIST in June 2003.

4. Academic Contribution and Research & Consultancy:
4.1   Invited Lectures: -

- Session delivered in ATAL FDP "Recent Advances and Real Time Applications in Artificial Intelligence" in October- 2021 in Vaagdevi College of Engineering, Warangal
- Session delivered on "Text Classification" in ATAL FDP during 22nd -26th Nov-2021
- Session taken in ATAL FDP conducted by JSSATE, Bengaluru during 18-22 2021
- Delivered the session on Ensemble Learning in FDP conducted by CSE,VNRVJIET, HYDERABAD
- Delivered the session on 08/06/2020 in5-day FDPon AIML for engineering applications conducted at VNRVJIET during June 08th-12th 2020.
- Delivered the guest lecture on "genetic programming and clustering" for IARE students on 08/04/2020.
- Delivered the Talk on "Machine Learning" for Convergence 2k19 orientation@ 19/09/2019.
- Delivered a guest lecture on "Data Structures and its Applications" on 20/09/2018 at GCET, Hyderabad
- Delivered the guest lecture on Soft Computing Techniques on 09/08/2018 at CMRTC.
- One day Talk on "Covering Artificial Intelligence Academic syllabus" at ISL College, Hyderabad on 26/08/2019.
- Session on Artificial Intelligence-Applications at St Martins Engineering College, March 9th, 2018.
- Session on Fuzzy image processing in 3-day workshop on "Recent Trends on Image and Video processing conducted by CSE Department, VNRVJIET on 21st March 2017.
- Guest lecture on Real time development of Distributed Systems and its applications at MREC on December 19th 2015
- Guest lecture on MATLAB programming for Image Fusion at workshop conducted by ECE Department, VNRVJIET on December 2015

4.2 Articles/Chapters published in Books: ICIAP-2009, FANCCO-2011, ACITY-2012, MVIP-2012, TelSaTech 2015, NCEITCT-2018, ICAICR 2020, CIS 2020, ICCCT 2021, ICCIS 2022, ICAN 2022, BHARAT 2022, ICDSA 2022, ICICIAC 2022, ICICC 2022 conference papers published in Springer Book chapters.

Books published as single author or as editor:

4.3 Projects Guided:
a) UG: 14 projects
b) PG:5 projects

4.5. **Research Interests:** Shadow Removal, Motion Tracking, Image classification, Video Surveillance, Traffic Monitoring, Image fusion, Image analysis, Artificial Intelligence, Machine Learning and Computer Vision.

4.6. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Citation Index/ Impact Factor	National/ International
1	AI Based Chatbot for Hospital Management System	IEEE Xplore	978-1-6654-9944-6		International
2	Bitcoin Price Prediction Using Deep Learning	IJNRD 8, 2	ISSN: 2456-4184	Google Scholar 8.76	International
3	Plant Disease Classification Using Deep Bilinear CNN	Intelligent Automation & Soft Computing Vol.31, pp.161-176	2326-005X	SCIE, Scopus, 1.647	International
4	Machine Learning for Data Mining, Data Science and Data Analytics	Recent Advances in Computer Science and Communications,Vol. 14,pp. 1358-1359	2666-2566	Scopus	International
5	Fake News Detection Using Machine Learning Technique	SCRS Conference Proceedings on Intelligent Systems, pp. 59-69,2021	978-93-91842-08-6	SCRS Proceedings	International
6	Development of Artificial Intelligence based Chatbot Using Deep Neural Network	SCRS Conference Proceedings on Intelligent Systems, pp. 143-151,2021	978-93-91842-08-6	SCRS Proceedings	International
7	Classification with the Aid of Transfer Learning: A Deep Learning Approach	Current Chinese Computer Science, 2665-9972, Vol.1,pp.61-76, 2020	2665-9964	J-Gate, Open Abstracts, 0.67	International
8	Assessment of Plant Disease Identification using GLCM and KNN Algorithms	International Journal of Recent Technology and Engineering (IJRTE),Vol.8,pp.4900-4904,2020	2277-3878	Scopus 1.0/6.04	International
9	Detection of Driver Drowsiness Using Neural Networks	MuktShabd Journal,Vol.9, pp.4349-4456 ,2020	2347-3150	UGC Journal 4.6	International
10	Evaluation of Dynamic PID Mechanism to Prevent DDOS Flooding Attacks	The International journal of analytical and experimental modal analysis, Vol.12,pp.1478-	0886-9367	UGC Journal 6.3	International

		1485, 2020			
11	Medical Image Fusion Using Transform Based Fusion Techniques	International Journal of Recent Technology and Engineering ,Vol.8,pp.309-317,2019	2277-3878	Scopus, 1.0/6.04	International
12	Breast Cancer Detection Using Artificial Neural Networks	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM), Vol.54, pp.280-285,2019	2320-6608	UGC journal, Google Scholar	International
13	Performance Assessment of Fuzzy And Neuro Fuzzy Based Iterative Image Fusion of Medical Images	Journal of Theoretical and Applied Information Technology, Vol.96,pp.3061-3074,2018	1992-8645	Scopus, 0.42	International
14	Performance Assessment of Neuro Fuzzy Based Image Fusion of Satellite Images	International Journal of Advanced Technology and Engineering Exploration, Vol.5, pp.43-49, 2018	2394-5443	Scopus, 0.502	International
15	A Novel Method for Brain Tumor Detection and Extraction	IJRECE, Vol.6, pp.908-910, 2018	2393-9028	DoAJ, CiteFacctor,Google Scholar,5.42	International
16	A Two Step Copyright Protection Scheme for Color Images	IJRECE, Vol.6,pp. 762-765,2018	2393-9028	DoAJ, CiteFacctor,Google Scholar, 5.42	International
17	Accuracy Assessment of Supervised and Unsupervised Image Classification of Fused Satellite Images	International Journal of Advanced Research in Computer Science, Vol.8, pp. 169-173,2017	0976-5697	EBSCO, Google Scholar 7.146	International

18	Comparison of Discrete Wavelet Transform (DWT), Discrete Cosine Transform (DCT) and Stationary Wavelet Transform (SWT) based Satellite Image Fusion Techniques	International Journal of Current Research and Review, Vol.9, pp.49-53, 2017	0975-5241	Google Scholar, Scientific Indexing Services, 7.893	Scopus,International
19	Performance Evaluation of Fuzzy and Neuro Fuzzy Based Image Fusion	International Journal of Innovative Research in Computer and Communication Engineering, Vol.4, pp:18882-18888, 2016	2320-9801	Google Scholar, 8.165	International
20	Satellite image fusion using fuzzy logic	Acta Univ Sapientiae, Informatica, Vol.8,pp.241-253, 2016	2066-7760	Web of Science	International
21	Securing Data and Revocation of Users in Cloud Computing	International Journal of Innovative Research in Computer and Communication Engineering,Vol.4 ,pp.16837-16842,2016	2320-9801	Google Scholar, DOAJ	International
22	Novel Approach for Iterative Image Fusion using Fuzzy and Neuro Fuzzy Logic	International Journal of Geoinformatics ,Vol 11 , pp. 29-39,2015	1686- 6576	Scopus, 0.70	International
23	Quality Assessment of Pixel- Based Image Classification of Fused Satellite Images	Advanced Science Letters,Vol.21, pp.3453-3457, 2015	1936-6612	Scopus, 1.2	International
24	Quality assessment of of pixel level image fusion using fuzzy logic	International Journal on Soft Computing Vol.3,pp.1-13,2012	2229-7103	Google CiteSeer ,0.8	International
25	Comparison of Fuzzy and Neuro Fuzzy Image Fusion Techniques its Applications	IJCA,Vol.No 43, pp.no.31-37,2012	0975-8887,2012	Google CiteSeer 0.821	International

Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Deep Bi-linear Convolution Neural Network for Plant Disease Identification and Classification	ICAICR 2020	Scopus,WoS, International	2020
2	Accuracy Evaluation of Plant Leaf Disease Detection and Classification Using GLCM and Multiclass SVM Classifier	Congress on Intelligent Systems 2020	Scopus, International	2020
3	Detection and Tracking of Text from Video using MSER and SIFT	Springer, Intelligent Technologies and RoboticsIntelligent Technologies and Robotics	Scopus, International conference	2019
4	Quality assessment parameters for iterative image fusion using Fuzzy and Neuro Fuzzy Logic and applications,	INTER-ENG-2014,vol.no 19,pp.no888-894,2014	Scopus,International conference	2014
5	Iterative image fusion using fuzzy logic with applications,	Springer in Advances in Intelligent and Soft Computing,Vol.177,pp.145-152	Scopus, International Conference	2013
6	Iterative image fusion using neuro fuzzy logic and applications International conference	MVIP-2012, pp. 121-124	IEEE, International Conference	2012
7	Quality evaluation measures of pixel level image fusion using fuzzy logic 0302-9743.	FANCCO – 2011 Springer,vol. 7076 pp. 485-493	Scopus,International conference	2011
8	Comparision of Pixel - Level Based Image Fusion Techniques and Its Application in Image Classification ,	Geospatial World Forum , Hyderabad	International Conference	2011
9	Shadow removal in outdoor video sequences by automatic thresholding of division images	ICIAP, 2009. LNCS 5716, pp. 190-198	Scopus,International Conference	2009

4.7. Sponsored Research Projects, STTP and FDP Grants

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Image fusion using fuzzy and neuro fuzzy logic	AICTE,RPS, 2011-13	2 years	3.5 Lakhs	completed
2	Machine Learning Approach for Plant Disease Identification using Leaf Images	MHRD-TEQIP-III under CRS, 2019-21	2 years	2.95 Lakhs	completed
3	Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python	AICTE-STTP	1 Year	1.93 Lakhs	Completed
4	Exploring Machine Learning and Deep Learning Algorithms for Natural Language Processing (NLP) Applications	ATAL-FDP	1 Year	0.9 Lakhs	Completed

5 Awards / Honors received:

- BoS member for CSE Department of JNTU Kakinada for emerging courses
- Completed advanced certification in AIML from IIIT Hyderabad
- BoS member for Department of IT, GRIET, Hyderabad
- Keynote speaker for International Conference DATA'2021, Petra Jordan.
- Expert sessions delivered in AICTE sponsored STTP and ATAL FDPs
- Reviewer for journals like Journal of Computer Science, Inderscience and Science Publications and ICIAP, CVIP conferences
- Deputed as subject expert for JNTU ratification interviews.
- Selected for Research Fellowship for 2 years at University of Udine, Italy during January 2007 to December 08.
- Deputed as external question paper setter for GCET,SNIST,IARE and Anurag University
- Paper reviewed titled "A neuro-fuzzy evaluation system to classify the driver behaviors based on smartphone sensors fusion" for the Journal of Intelligent Transportation Systems: Technology, Planning, and Operations in March 2016.
- Paper reviewed titled "Implementing and Evaluating Collaborative Filtering (CF) Using Clustering "for CVIP 2016 at IIT Rourke.
- Paper reviewed titled "Hybridization of Feed Forward Neural Network and Self Adaptive PSO with Diverse of Features for Anomaly Detection" for IJBET.
- Paper reviewed titled "Image Mining: Improving Image retrieval Technique using Vibrational models and Relevance Feedback", for JCS(Journal of Computer Science)

6. **Motto: Knowledge is power**