




DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE Affiliated to JNTU Kakinada)

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		FACULTY PROFILE			
Name of the Faculty		Dr. KALYANAPU.SRINIVAS			
Designation		Professor			
Email & Phone No		kalyanapusrinivascse@gmail.com 8309218299			
Date of Joining		14-08-1974			
Nature of Association		Regular			
Department		Computer Science & Engineering			
Educational Background		Ph.D-CSE-2018 M.Tech-CSE-2009			
Research Areas		Image processing, Machine Learning			
Experience					
	S.No	Institute	Designation	Period	
	3	Seshadri Rao Gudlavalleru Engineering college, Gudlavalleru	Professor	02-07-2007 to 18-07-2024	
	2	St.Stephen's PG College, Hyderabad	Assistant Professor	01-11-2002 to 07-06-2007	
	1	B.V.Raju college, Bhimavaram	Assistant Professor	07-02-2000 to 31-08-2000	

List of Publications (National and International Journals) : 37

- 1) “ MFEUsLNet: Skin cancer detection and classification using integrated AI with multilevel feature extraction-based unsupervised learning” Engineering Science and Technology, Volume 51, March 2024, 101632 (Publisher: ELSEVIER)(SCI).
- 2) “Prediction of Microstrip Antenna Dimension using Optimized Auto-Metric Graph Neural Network”, Intelligent Systems with Applications, Volume 21, March 2024, 200326 (Publisher: ELSEVIER)(SCI).

- 3) “Quantum edge detection of medical images using novel enhanced quantum representation and hill entropy approach”, *Signal, Image and Video Processing*, Volume- 18, 12, December 2023. (Publisher : Springer)(SCI)
- 4) “Synthesis of Elliptical Antenna Array using Hybrid SSWOA Algorithm”, *Journal of Applied Computational Electromagnetic Society*, Vol. 38, No. 5, May 2023. (Publisher: River Publisher”)(SCI)
- 5) “Multi-Model Cyber Security Based Object Detection by classification using deep learning and background supression techniques”, *Journal of Computers and Electrical Engineering*, Volume- , Issue- , Dt., Sept-2022, (Publisher: ELSEVIER)(SCI).
- 6) “Machine learning based monitoring system with IoT using wearable sensors and Pre-convoluted Fast Recurrent Neural Networks (P-FRNN)” *IEEE SENSORS JOURNAL*, volume 21, No.22 Date of Publication: 15 November 2021. (Publisher: IEEE)(SCI).
- 7) “Ant Cat Swarm Optimization-Enabled Deep Recurrent Neural Network for Big Data Classification Based on Map Reduce Framework”, *The Computer Journal* (Publisher: Oxford Academic) <https://doi.org/10.1093/comjnl/bxab135>, published:27 October 2021 (SCI).
- 8) “Chronological Harris hawks-based deep LSTM classifier in wireless sensor network for aqua status prediction”, *Journal of Ecohydrology*, DOI: 10.1002/eco.2302, published: 28 April 2021. (SCI- Wiley Publisher)
- 9) “Obstructive Sleep Apnea Prediction Using Deep Learning Techniques”, *Journal of International Journal for Research in Engineering Application & Management (IJREAM)*, ISSN: 2454-9150 Vol-07, Issue-02, MAY 2021. (UGC Approved Journal). Impact Factor-6.466
- 10) “A Review On Covid-19 Detection Using Deep Learning Techniques”, *Journal of Kala Sarovar*, ISSN: 0975-4520 ,Vol-24 No. 01 (III) January–March 2021, (UGC Care Group-I Journal)
- 11) “A New Video Watermarking Using Redundant Discrete Wavelet in Singular Value Decomposition Domain with Multi-objective Optimization”, *Journal of Concurrency and Computation: Practice and Experience*, Article ID: CPE6217, Volume 33, Issue 13, DOI: 10.1002/cpe.6217, Internal Article ID: 16994981 / 4 Feb, 2021. (SCI-Wiley Publisher)
- 12) “Medical Image Enhancement using PCA-based NSCT Fusion Methodology”, *European Journal of Molecular & Clinical Medicine*, ISSN 2515-8260 Volume 07, Issue 11, 2020. (Scopus)
- 13) “Count of Equivalent Pixel (CEP): A Novel Algorithm to Extract Most Relevant Images from the Medical Image Database” *European Journal of Molecular & Clinical*

- Medicine, ISSN 2515-8260 Volume 07, Issue 9, 2020. (Scopus)
- 13) “Credit Card Fraud Detection” Alochana Chakra Journal, Vol. IX, Issue V, May 2020, ISSN: 2231-3990. (UGC CARE-I)
 - 14) “Flood Detecting and Alerting System” Alochana Chakra Journal, Vol. IX, Issue V, May 2020, ISSN: 2231-3990. (UGC CARE-I)
 - 15) “Deep Learning based CNN Optimization Model for MR Brain Image Segmentation” journal of advanced research in dynamical and control systems, Vol. 11 No: 11,2019, ISSN: 1943-023X, DOI: 10.5373/JARDCS/V11111/20193190.(Scopus)
 - 16) “A New Video Watermarking Using Redundant Discrete Wavelet in Singular Value Decomposition Domain” Journal of Mechananics of continua and Mathematical Sciences, ISSN(ONLINE) 2454-7190, ISSN(PRINT) 0973-8975, Volume-14,No-5 September-October 2019. (Web of Science)
 - 17) “Modified Kernel Based Fuzzy Clustering for MR Brain Image Segmentation using Deep Learning” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019. (Scopus)
 - 18) “Arrhythmia Detection from ECG based Heartbeat Classification using Deep Learning Networks”, International Journal of Computer Applications (0975 – 8887) Volume 178 – No. 26, June 2019.
 - 19) “An Efficient Framework for Denoising of Diffusion- Weighted MR Brain Images”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277- 3878 (Online), Volume-8 Issue-1, May 2019. Page No.:2759-2763. (Scopus)
 - 20) “Segmentation of MR Brain Images using Unified Iterative Partitioned Fuzzy Clustering”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 (Online), Volume-8 Issue-1, May 2019. Page No.:2755-2758. (Scopus)
 - 21) “A Survey on 3D GRANULOMETRY” Universal Review, ISSN NO : 2277-2723, Volume 7, Issue XII, DECEMBER/2018, Page No:1436-1442.
 - 22) “Application of Clustering Algorithms in Segmentation and Classification of Abnormal MR Brain Images with 3D Volumetric Analysis”, International Journal of Advanced Technology and Innovative Research ISSN 2348–2370 Vol.09,Issue.04, March-2017, Pages:0578-0583, Impact Factor: 3.6. (Scopus)
 - 23) “A Sampling Model For Image Reconstruction Without Patches Pairing”, (IJTR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH, Volume No.5, Issue No.3, April – May 2017, 6089-6092. Impact Factor: 6.25
 - 24) “Classification of Abnormal Brain Images for 3D Rendering” International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 9, September 2016,700-703.

Impact Factor: 0.519. (Scopus)

- 25) **“Performance Analysis of Clustering Algorithms for 3d Medical Image Rendering and Its Volume Calculation”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 11, Number 9 (2016) pp 6309-6311. (Scopus) impact factor-0.51 and H-index-38.**
- 26) **“Abnormal Region Extraction from 3D Rendered MR Images”, International Journal of Graphics & Image Processing, Volume 5, Issue 3, ISSN: 2249-5452, August 2015, Impact Factor: 3.017**
- 27) **“Improved Reversible watermarking Using Hash Function”, International Journal of advanced Research in Computer Science And Software Engineering, Volume 5, Issue 9, September 2015. Impact Factor: 2.08. (Scopus)**
- 28) **“An Edge based 3D Facial Expressions Detection System”, International Journal of Emerging Trends and Technology in computer Science, Volume 4, Issue 6, Nov-Dec 2015, Impact Factor: 1.925**
- 29) **“An Efficient method in Dense CSMA Networks for static and adaptive carrier sensing” international journal for innovative Engineering and Management Research, Vol-07, Issue-07, June, 2015. ISSN: 2456-5083.**
- 30) **“An Approach for Data Sharing Over Smart Phone-Based Delay-Tolerant Networks”, International Journal on Advanced Computer Theory and Engineering (IJACTE), ISSN (Print): 2319-2526, Volume-4, Issue-3, 2015. Impact Factor: 1.64**
- 31) **“Human resource development practices in Indian Information technology sector-An Empirical study of emerging trends”, International Journal of Scientific Research, Vol 2, Issus 8, Page no.263-266, August 2013., Impact Factor: 1.044**
- 32) **“Network Packet Analysis Through Visualization Systems”, International Journal of Computer Trends and Technology (IJCTT),Vol 5 Number 2, November 2013., Impact Factor: 0.569**
- 33) **“Spatial Mining Using Auto Regression Model”, International Journal of Computer Science and Technology (IJCST), ISSN: 0976-8491(online)| ISSN: 2229-4333(print), Volume 3, Issue 4, Oct-Dec 2012.**
- 34) **“Non Linear Filter Design in Spatial Domain for High Density Impulse Noise Removal”, International Journal of Computer Science and Technology (IJCST), ISSN: 0976-8491(online)| ISSN: 2229-4333(print), Volume 3, Issue 3, July-Sept 2012.** 35) **“A Scientific Approach for Segmentation and Clustering Technique of Improved KMeans and Neural Networks”, International Journal of Advanced Research in Computer Science and Software Engineering, Vol-2,**

- 36) “Automatic Histogram Threshold with Fuzzy Measures using C-means”, International Journal of Computer Science Issues (IJCSI), Vol 8, Issue 6, No 1, September 2011. ISSN (online) : 1694-0814.
- 37) “Generation of Random Fields For Image Enhancement and Reconstruction”, International Journal of Computer Science Issues (IJSCI), Vol 8, Issue 5, No 1, September 2011. ISSN (online) : 1694-0814.

National/International Conferences : 07

- 1) “Revolutionizing Malaria Diagnosis: A Deep Learning Approach”
International Conference on Sustainable Computing and Smart Systems (ICSCSS 2023), (IEEE) June 2023
- 2) “Smart Autonomous Voice Control Obstacle Avoiding Robot”
International Conference on Computer Communication and Informatics (ICCCI 2023), (IEEE) January 2023
- 3) “An Automatic Water Flow Management System for Agriculture”
International Conference on Smart Syatem and Inventive Technology (ICSSIT 2023), (IEEE) January 2023
- 4) “Health Insurance Premium Prediction using XGboost Regressor”
International Conference on Applied Artificial Intelligence and Computing (ICAAIC 2022, 2022) (IEEE)
June-2022 (Scopus)
DOI: [10.1109/ICAAIC53929.2022.9793258](https://doi.org/10.1109/ICAAIC53929.2022.9793258)
- 5) “Quality Assessment and Grading of Milk using Sensors and Neural Networks” International
Conference on Electronics and Renewable Systems (ICEARS 2022),
March 16-18, 2022. (IEEE) (Scopus)
DOI: [10.1109/ICEARS53579.2022.9752269](https://doi.org/10.1109/ICEARS53579.2022.9752269)
- 6) “Classification of ECG Heartbeat Arrhythmia: A Review” Third International
Conference on Computing and Network Communications (CoCoNet’19), 2020
- 7) “Real Time Implementation of speech steganography”
International Conference on smart Systems and inventive technology(ICSSIT-2019), November 2019
(IEEE) DOI: [10.1109/ICSSIT46314.2019.8987785](https://doi.org/10.1109/ICSSIT46314.2019.8987785) (Scopus)

FDP’s/Workshops: 38

1. Attended four-week Online Technology Based Entrepreneurship Development Program [TEDP] on “Application of Block Chain Technology in Rural Sustainable Development with Special Reference to Andhra Pradesh” organized by Department of Electrical And Electronics Engineering from 05-09-2023 to 28-09-2023.
2. Attended one-week Online Faculty Development Programme on “Research Methodology and

Data Analysis in Business Management” organized by Department of Commerce and Business Management, Krishna University from 25-08-2022 to 01-09-2022.

- 3. Attended Two-week online Faculty development programme on “Natural Language Processing” jointly organized by the Electronics and ICT Academies at IIT Kanpur, IIT Roorkee, MNIT Jaipur, PDPM IITDM Jabalpur and NIT Patna during February 7-18, 2022 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology [MeitY], Government of India.**
- 4. Attended six-day Faculty Development programme on “Robotic Process Automation” organized by Seshadri Rao Gudlalleru Engineering College Gudlalleru in collaboration with SmartBridge Educational Services Pvt Ltd from 23.08.2021 to 28.08.2021.**
- 5. Attended nine-day Online Faculty Development programme on “Data Science and Machine Learning” organized by NIT Warangal and KHIT Guntur from 12 20th July 2021.**
- 6. Attended Six-day Online Faculty Development programme on “Cloud Computing With Microsoft Azure” organized by TCS, from 09th November to 14th November 2020.**
- 7. Attended Five-day Online STTP on “An Integrative Approach to impact ethics and moral values in Engineering Education” organized by Dept Of ECE, Ramachandra Engineering college Eluru, from 02nd November to 06th November 2020.**
- 8. Attended a four-day webinar on “strategies for effective assessing and teaching” organized by Dept. of English Gudlalleru Engineering College from 13-16 July 2020.**
- 9. Attended National Level Five-day Online Faculty Development programme on “Cyber Security” organized by Department of CSE & IT in association with CyberPsy, Gudlalleru Engineering College from 22nd July to 26th July, 2020.**
- 10. Attended Two-day Online Faculty Development programme on “ Outcome Based Education(OBE) faculty development programme” organized by Department of CS&E, IQAC, ACM and CSI chapters of KITS Guntur association with IIT Kharagpur conducted from 8th July to 10th July 2020.**
- 11. Attended Online webinar on “Global webinar series on cyber security” organized by Department of computer science and Engineering, JNTUK university college of Engineering Vizianagaram in association with internet society Rural development special interest group, Information security Awareness and Education, computer Society of India during 20th to 26th June 2020.**
- 12. Attended Five day Online Faculty Development programme on “ Blockchain Technologies ” organized by Department of CSE in association with CSI, Gudlalleru Engineering College from 9th – 13th June, 2020.**
- 13. Attended Online webinar on “ Impact of COVID in Engineering Education & way forward ” organized by Indian Society for Technical Education(ISTE) Chapter, Gudlalleru Engineering College, Gudlalleru on 9th June 2020.**

14. **Attended Five day Online Faculty development program on “ IOT- Applications ” organized by Department of CSE, Vikas group of Institutions, Nunna, Vijayawada from 1st June to 5th June 2020.**
15. **Attended Five day Online Faculty development program on “ Artificial Intelligence and its Applications ” organized by Department of CSE, Rama Chandra College of Engineering in collaboration with 360DigiTMG from 25th May 2020 to 30th May 2020.**
16. **Attended Five day Online Faculty development program on “ Cyber Security ” organized by Department of CSE, Vikas group of Institutions, Nunna, Vijayawada from 23rd May to 27th May 2020.**
17. **Attended Two day Online webinar on “ Online Communications Tools ” organized by Department of CSE, Rama Chandra College of Engineering in association with NewGen IEDC-RCE, Eluru from 23rd May to 24th May 2020.**
18. **Attended Six day Online Faculty awareness program on “ Research Methodology ” organized by Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapathi Shivajiraje college of Engineering, Pune, during the period of 20/05/2020 to 25/05/2020.**
19. **Attended One week Online Faculty program on “ Machine Learning and Deep Learning ” organized by Department of CSE & IT, Gudlavalleru Engineering college, Gudlavalleru, during the period of 01/05/2019 to 07/05/2019.**
20. **Faculty Development Programme on “Outcome Based Education” Organized by E&ICT Academy, NIT, WARANGAL, during 24-08-2019 to 29-08-2019.**
21. **Short Term Training Programme on “Evaluating students performance and Designing Question papers “BY NITTTR, KOLKATA during 25.02.2019 to 01.03.2019.**
22. **Attended Three-day Faculty Development Program on “Research Methodology” organized by Dept of MBA, Gudlavalleru Engineering College From 18th to 20th Dec, 2017.**
23. **Attended Two-day's Faculty Development Program on “Soft Computing Techniques” at Gudlavalleru Engineering College on 21st & 22nd June, 2017.**
24. **Attended a one week Faculty Development Programme on “Big Data Analytics” by Veer Anjaneya Raju Nagaraju, Hadoop Consultant & Coach, Big Data Minds, Hyderabad organized by Department of CSE during 14th – 19th November 2016.**
25. **Attended Two-day's Faculty Development Program on “Windows Azure” at Gudlavalleru Engineering College organized by Computer Science and Engineering on 21st -22nd Mar 2016.**
26. **Attended Three-day's Faculty Development Program on “BigData Analytics” at Gudlavalleru Engineering College organized by Information Technology on 25th - 27th Feb 2016.**

27. **Attended Two-day's Faculty Development Program on "Research Challenges and Issues in Big Data and Hadoop Framework " at Gudlavalleru Engineering College on 12th& 13th March 2015.**
28. **Attended Two Week ISTE STTP on "Introduction to Design of Algorithms" conducted by IIT Kharagpur from 27th April to 30th May 2015 held under the national mission on Education through ICT(MHRD).**
29. **Attended Two Week ISTE workshop for Teachers on "Computer Programming" from 16th June to 21st June 2014 in Association with IIT Bombay Remote Center.**
30. **Attended One-Week workshop on "Training Teachers for Excellence" by Dr.B.G.Barki (Former Director NITTR, Chennai) at Gudlavalleru Engineering College during 29th April 2013 - 4th May 2013.**
31. **Attended Two-Day workshop on "Guidance and Counselling for Teachers on their Teaching individually" by Dr.B.G.Barki, Director NITTR, Chennai at Gudlavalleru Engineering College during 11th to 12th Aug 2007.**

LIST OF WORKSHOPS/SEMINARS ORGANIZED:

1. **SPOC for Skilledge Technology Foundational Course at Gudlavalleru Engineering College organized by ICT Acadamey in April 2021.**
2. **Co- Coordinator for AICTE Sponsored Two-Week FDP on "Soft Computing and its Applications" during 27th Jan to 08th Feb 2020 at Gudlavalleru Engineering College organized by Dept of CSE.**
3. **SPOC for 4-Day SDP on salesforce essentials for Data Science & Big Data Analytics during 12-09-19 to 15-09-19 at Gudlavalleru Engineering College Organized by ICT Academy.**
4. **SPOC for 6-Day SDP on Lightning Experience Reports and Dashboard Specialist Super Badge , Business Administration Specialist Super Badge, Security Specialist Super Badge Organized by ICT Academy during 23-09-2019 to 28-09-2019**
5. **SPOC for 5-Day FDP on salesforce essentials for Busiess Specialists during 05-08-19 to 09-08-19 at Gudlavalleru Engineering College.**
6. **SPOC for salesforce new india Championship 2018 organized by ICT held on 02- 022018 at Gudlavalleru Engineering College.**
7. **SPOC for Summer Training Program Organized by ICT, during 7/5/2018 - 27/5/2018.**

Achievements / Awards/Honors'

- **Dr. K. Srinivas, Associate Professor of CSE received National Level Best Coordinator award for successfully conducting Skill edge Technology Foundational Courses, April 2021 organized by ICT Academy.**

- **Dr. K. Srinivas, Associate Professor of CSE received State Level Best Coordinator award for successfully conducting Skilledge Technology Foundational Courses, April 2021 organized by ICT Academy.**
- **Dr. K. Srinivas, Associate Professor of CSE received State Level Best Coordinator award for New IndiaLearnathon July 2020 by ICT Academy.**

Patents

1. **“Design And Implementation Of Iot-Enabled Agribot For Smart Farming”, Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office, S.M.Road, Antop Hill, Mumbai – 400 037 – 24/06/2022.**
2. **A System and Method for Classifying Snake Images Using Convolutional Neural Network”, by Australian Government IP Australia (AusPat)- 27/08/2021.**
3. **“Fuzzy Logic Controlled Traffic Light Controlling System Using Morphological Operators with Image Statistics” Intellectual Property of India, Controller General of Patents, Designs and Trade Mark (Department of Industrial Policy and Promotion, Ministry of Commerce and Industry), 16/07/2021.**
 4. **“IVC-Detection: Intelligent Vehicle Crash Detection Using Machine Learning and Deep Learning” Intellectual Property of India, Controller General of Patents, Designs and Trade Mark (Department of Industrial Policy and Promotion, Ministry of Commerce and Industry), Issue No: 50/2019, December 2019.**

Memberships

CSI, MIE, AMIE

Dr. K.Srinivas