

I	Name of Faculty	<b>Dr. Panyam Narahari Sastry</b>	
II	Designation	Professor	
III	Nature of Job/Appointment	Regular	
IV	Date of Joining	19 – 06 - 2003	
V	E-mail	naraharisastry_ece@cbit.ac.in	
VI	Education Qualifications	<b>Name of the Degree</b>	<b>Class</b>
	Ph. D	Doctor of Philosophy (ECE)	Awarded
	PG	M. Tech. (ECE)	First
	UG	B. Tech. (ECE)	First
	PG Diploma in Marketing Management	PGDMM	First
	PG	MBA (Operations Management)	3.16 /5.00
VII	Work Experience		
	Teaching	20 Years	
	Research	16 years	
	Industry	09 years	
	Others	04 Months	
VIII	Area of Specialization	Signal Processing- Image , Speech and Communication Pattern Recognition, AI Algorithms	
IX	Professional Memberships	LMISTE	
X	Responsibilities held at Institution Level	-----	
XI	Responsibilities held at Department Level	<ol style="list-style-type: none"> <li>1. Member Board of Studies,</li> <li>2. Member, Performance Assessment Committee</li> <li>3. Member, Course Expert Group</li> <li>4. Departmental Coordinator –NIRF</li> <li>5. Departmental Coordinator –AQAR</li> <li>6. Departmental Coordinator –IIC</li> <li>7. Departmental Coordinator – Mentoring students</li> <li>8. Departmental Coordinator – Innovation and Incubation</li> <li>9. Departmental Coordinator – IOT &amp; Cyber security</li> <li>10. Departmental Coordinator – PGNBA</li> <li>11. PG Coordinator for ME-ECE (Communication Engineering) from 2017-2019.</li> </ol>	
XII	Research Guidance	<b>03 students awarded</b> (02 students awarded from <b>JNTUH</b> and 01 student from <b>K.L. University</b> Vijayawada). <b>03 students</b> submitted, their thesis to <b>Osmania University</b> . Presently <b>05</b> students pursuing Ph.D. under <b>Osmania University</b> .	



XIII	Courses Handled at Under Graduate / Post Graduate Level.	Microwaves, Antennas and Wave Propagation, Satellite Communication, Digital signal Processing, Electronic Devices, Radar and Satellite communication, Software defined and Cognitive Radio.	
XIV	No. of Papers Published	National Journals – Nil	International Journals – 28
		National Conference – 05	International Conference – 13
XV	Projects Carried out	<p>1. An <b>AICTE project</b> titled “Design and development of Palm Leaf Character Recognition” under <b>RPS</b> (Research promotion scheme) was sanctioned for <b>three years</b> in <b>July 2013</b> for an amount of <b>Rs 7, 31,000</b>. This project was <b>successfully completed</b> (July 2013- July2016) and the <b>outcome</b> of the project is a <b>Patent</b> published in <b>Journal of Indian Patents</b>, Indian Patent Office, Chennai. Further it helped to pursue research and acquire the degree for One M.E student and One PhD student. Also <b>two</b> International journal publications including <b>Pattern recognition Journal</b> (PRL) published by <b>ELSEVIER</b> (a SCI Journal) and two IEEE International Conference papers were produced by this AICTE project.</p> <p>2. <b>AICTE ATAL FDP</b> conducted successfully worth of <b>Rs 3 Lakhs</b>.  <b>AICTE File No.</b> : AICTE/SCROJATAL FDP/2022-23/748  dated: 4-11-22  <b>Name of Co-ordinator:</b> Dr. Panyam Narahari Sastry  <b>Application No.:</b> 1650723581  <b>Title of the ATAL Programme:</b> Drone Imaging &amp; AI/ML Tool for Improving Decision Making in Agriculture Applications  <b>Date:</b> 05th December 2022 to 18th December 2022</p> <p>3. Several Funded BE projects sponsored by CBIT.</p> <p>4. Project on “Bus Tracking System” by kernelsphere.</p> <p>5. Project on “AI transformer” by kernelsphere.</p>	
XVI	Patents	<p style="text-align: center;"><b>స్వయం తేజస్విన భవ</b></p> <p>1. An <b>Indian Patent Granted</b> on 04-07-2022, <b>Patent No</b> - 400741, Application Number 201641000080A, filed on 01/01/2016, in Indian Patent Office Chennai. This patent published in the Journal of Indian Patents - ISSUE NO. 03/2016 FRIDAY DATE: 15/01/2016, Page No.2268 with the title “System and Method for Palm Leaf Character Recognition using 2D Haar Wavelet Transformation and 3D Feature”.</p> <p>2. An UK Design Patent titled “AI Based drone for Medical Logistics Delivery” was registered on 6<sup>th</sup> February 2024.</p> <p>3. An Indian Patent titled “IoT Enabled Respiratory Sensing Device” with Application No – 406763-001, Cbr Number – 201982 and Cbr Date-06/02/2024 is successfully registered at Kolkata, Indian Patent Office.</p>	

XVII	Technology Transfer	--
	(Few Important/Prominent)	<ol style="list-style-type: none"> <li>1. Invited lecture for <b>AICTE Sponsored FDP</b> on “Current Trends and Techniques in Image Processing and Remote Sensing” at Vidya Vihar Institute of Technology on 06/06/13.</li> <li>2. Invited lecture for Two Weeks Training Program on “Digital Image Processing of Remotely Sensed Data” at <b>JNTUH</b>, Sponsored by NRDMS, Govt.of.India on 20/09/13.</li> <li>3. Invited lecture titled “Digital Document Analysis Applied to Palm Leaf Characters” in International Conference <b>IWMEM</b>, Tirupati during 01-02 Oct 2013.</li> </ol>
XVIII	No. of Books / Chapter Published with details	<p><b>Book Chapter</b> - Investigation of forgery in speech recordings using similarities of pitch chroma and spectral flux.</p> <p><b>Book Name</b> - Recent Trends in Communication and Electronics – Sharma et al.(Eds) @2021,</p> <p><b>Publisher Name</b> - Taylor &amp; Francis Group, LLC.</p> <p><b>ISBN:</b> 978-1-032-04572-6.</p>
XIX	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).	<p><b>Workshops Organized:</b></p> <ol style="list-style-type: none"> <li>1. Organized an Online One Week Online Faculty Development Program on “Role of Machine Learning &amp; Data Sciences in AI”, during 29-06-20 to 03-07-2020</li> <li>2. Organized a National Workshop on “ Pattern Recognition and machine learning”, during 30<sup>th</sup>&amp; 31<sup>st</sup> May 2019</li> <li>3. Organized a National Workshop on “Research Opportunities in Cognitive Radio and its Applications”, during 29<sup>th</sup> &amp; 30<sup>th</sup> January 2016</li> <li>4. Organized a National Workshop on “Emerging Trends in Software Defined Radio and Cognitive Radio Networks”, during 13<sup>th</sup> -14<sup>th</sup> February 2015</li> <li>5. Organized a Workshop on “on “Speech Processing and its Applications in Engineering””, during 23<sup>rd</sup> -24<sup>th</sup> August 2013</li> <li>6. Organized a Poster Presentation Competition for ISTE “CBIT Chapter” on 14<sup>th</sup> August 2013</li> <li>7. Organized a Workshop on “Mathematical Methods for Image Processing and Engineering Applications “on 5<sup>th</sup> and 6<sup>th</sup> March 2013</li> <li>8. Organized a Workshop on “Application of Digital Image Processing “on 17<sup>th</sup> and 18<sup>th</sup> February 2012</li> <li>9. Organized a day Workshop on “Image Processing “on 10<sup>th</sup> December 2010</li> <li>10. Organized a Workshop on “A Recent Trends in Communication “on 29<sup>th</sup> and 30<sup>th</sup> August 2007</li> <li>11. Organized a Workshop on “VLSI and Image processing “on 8<sup>th</sup> and 9<sup>th</sup> December 2006</li> <li>12. Organized a National level technical paper contest for students on 21<sup>nd</sup> and 22<sup>nd</sup> September 2006</li> <li>13. Organized National level technical paper contest “Nava Chaitanya-04” under ISTE from 11<sup>th</sup> to 13<sup>th</sup> March 2004.</li> </ol>

		<p><b>Workshops Organized:</b></p> <ol style="list-style-type: none"> <li>1. Organized an Online One Week Online Faculty Development Program on “Role of Machine Learning &amp; Data Sciences in AI”, during 29-06-20 to 03-07-2020</li> <li>2. Organized a National Workshop on “ Pattern Recognition and machine learning”, during 30<sup>th</sup>&amp; 31<sup>st</sup> May 2019</li> <li>3. Organized a National Workshop on “Research Opportunities in Cognitive Radio and its Applications”, during 29<sup>th</sup> &amp; 30<sup>th</sup> January 2016</li> <li>4. Organized a National Workshop on “Emerging Trends in Software Defined Radio and Cognitive Radio Networks”, during 13<sup>th</sup> -14<sup>th</sup> February 2015</li> <li>5. Organized a Workshop on “on “Speech Processing and its Applications in Engineering””, during 23<sup>rd</sup> -24<sup>th</sup> August 2013</li> <li>6. Organized a Poster Presentation Competition for ISTE “CBIT Chapter” on 14<sup>th</sup> August 2013</li> <li>7. Organized a Workshop on “Mathematical Methods for Image Processing and Engineering Applications “on 5<sup>th</sup> and 6<sup>th</sup> March 2013</li> <li>8. Organized a Workshop on “Application of Digital Image Processing “on 17<sup>th</sup> and 18<sup>th</sup> February 2012</li> <li>9. Organized a day Workshop on “Image Processing “on 10<sup>th</sup> December 2010</li> <li>10. Organized a Workshop on “A Recent Trends in Communication “on 29<sup>th</sup> and 30<sup>th</sup> August 2007</li> <li>11. Organized a Workshop on “VLSI and Image processing “on 8<sup>th</sup> and 9<sup>th</sup> December 2006</li> <li>12. Organized a National level technical paper contest for students on 21<sup>nd</sup> and 22<sup>nd</sup> September 2006</li> <li>13. Organized National level technical paper contest “Nava Chaitanya-04” under ISTE from 11<sup>th</sup> to 13<sup>th</sup> March 2004.</li> </ol> <p><b>Workshops Attended</b></p> <ol style="list-style-type: none"> <li>1. Successfully completed STTP through ICT mode on NBA Accreditation, 22/04/2019 to 26/04/2019 (Duration 1 Week) sponsored by National Institute of Technical Teachers Training and Research, KOLKOTTA Organized by Chaitanya Bharathi Institute of Technology, CBIT.</li> <li>2. Attended an event on "Nano Technologies and its Applications", conducted by CBIT, held during 27<sup>th</sup> Feb &amp; 28<sup>th</sup> Feb 2012.</li> <li>3. Attended an event on "Advanced computing Methodologies" conducted by GRIET held during 09<sup>th</sup> Dec &amp; 10<sup>th</sup> Dec 2011.</li> <li>4. Attended an event on "Document image processing", conducted by IISc Bangalore, 02<sup>nd</sup> June – 12<sup>th</sup> June 2008.</li> <li>5. Attended an event on "Unified Approach to the teaching of Electronic devices and circuits", conducted by Vasavi College of engineering, held during 29<sup>th</sup> Nov – 11<sup>th</sup> Dec 2004.</li> <li>6. Attended an event on "Personality Development Effective Teaching Methodology", at CBIT, held during 08<sup>th</sup> Nov – 16<sup>th</sup> Nov 2004.</li> <li>7. Attended an event on "Effective Teaching Methodology", at CBIT, held during 24<sup>th</sup> Nov – 29<sup>th</sup> Nov 2003.</li> </ol>
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**Line FDP/STTP/Coursera/Quiz/COVID-19**

1. Certificate from IIC of MHRD's Innovation cell on "Online Sessions to promote Innovation, IPR, Entrepreneurship, & Start-ups among HEIs" conducted from 28<sup>th</sup> April to 22<sup>nd</sup> May 2020
2. One week STTP on " Matlab based teaching- Learning in Mathematics Science and Engineering" Conducted by D. Y. Patil University, Navi Mumbai during 18th to 22nd May 2020.
3. Coursera Course titled " MATLAB Onramp" completed on 05th May 2020.
4. Online Training on IOT from 30/04/2020 to 02/05/2020 organized by MSME Technology Development Centre Agra.
5. One week FDP titled " CYBER SECURITY" conducted by Vikas College of Engineering and Technology, from 23/05/2020 to 27/05/2020.
6. One week ONLINE FDP Lakkireddy Bal Reddy College of Engineering " Recent trends in advanced Communications" from 04th May to 09th May 2020.
7. One week FDP titled " Outcome based Education : A step towards Excellence" conducted by Government college of Engineering, Karad, Maharashtra, under Margadarshan scheme of AICTE, from 11th to 15 th May 2020.
8. Online FDP " Emerging technologies in Robotics", conducted by Malla Reddy engineering college, Hyderabad from 26th to 30th May 2020.
9. One week Online FDP titled " IOT for emerging Applications" conducted by KITS, Warangal, from 10th May to 14th May 2020.
10. One week FDP titled "PHP and My SQL" conducted by JNTUH college of Engineering Jagtial from 18th to 23rd May 2020.
11. One week FDP titled "Data Science using R Programming" conducted by Mahaveer Institute of Science and Technology, Hyderabad from 12/06/2020 to 17/06/2020.
12. One week FDP titled "Outcome based Education and NBA accreditation Process conducted by CBIT, Hyderabad from 28/05/2020 to 01/06/2020.
13. Certificate of Participation from MHRD's Innovation Cell, India's first leadership talk Webinar on 09<sup>th</sup> May 2020 with Prof. D. P. Singh.
14. Certificate of Participation from MHRD's Innovation Cell, India's first leadership talk Webinar on 02<sup>nd</sup> May 2020 with Dr. Abhay Jere.
15. Webinar on "Digital Transformation "on 12th May organized by Storm Overseas.
16. Certificate of Participation from MHRD's Innovation Cell, India's first leadership talk Webinar on 16<sup>th</sup> May 2020 with Dr. Pramod Chaudhari.
17. Certificate of Participation from MHRD's Innovation Cell, India's first leadership talk Webinar on 16<sup>th</sup> May 2020 with Mr. Mahesh Babu, CEO, Mahindra Electric Mobility Ltd.
18. Certificate of Participation for the Webinar titled Artificial Intelligence methods for energy auditing and electronics engineering", conducted by EEE department, CBIT during 21/05/2020 to 23/05/2020.
19. Certificate of Appreciation for Online Faculty program on NBA, Conducted by Bharathi Vidyapeeth college of Engineering, Navi Mumbai on 13/05/2020.
20. Certificate of Appreciation for "Autocad Quiz ", Conducted by B S.C Engineering and Research, PUNE on 25/05/2020.

		<ol style="list-style-type: none"> <li>21. Certificate of Appreciation for participating in the Webinar titled “Computational Electromagnetic techniques for different microwave and Millimeter wave applications” Organized by Gayatri Vidya Parishad college of Engineering and Technology on 25/05/2020.</li> <li>22. Certificate of Participation from MHRD’s Innovation Cell, India’s first leadership talk Webinar on 20th June 2020 with Sri Sridhar Venkat, CEO, Akshay Patra Foundation.</li> <li>23. Certificate of Participation from MHRD’s Innovation Cell, India’s first leadership talk Webinar on 30th May 2020 with Dr. Nilesh. N. Oak, Expert (Indian Civilization and History).</li> <li>24. Certificate of Participation from MLRIT, in a Webinar titled “How to improve teaching skills” on 24th June 2020.</li> <li>25. Certificate of Participation for the Webinar titled “Publishing Research articles in Scopus Indexed Journals ”, conducted by School of Management studies department, CBIT during 24/06/2020.</li> <li>26. Five days hands on Workshop, titled “ Patent searching, drafting and filing” conducted by PANIMALAR INSTITUTE OF TECHNOLOGY, Chennai under IEEE Computer society and Computer society of India from 29/05/2020 to 02/06/2020.</li> <li>27. Certificate of Participation from MHRD’s Innovation Cell, India’s first leadership talk Webinar on 06th June 2020 with Ms. Ashwini Deshpande..</li> <li>28. Course on LaTex training organized by Kakatiya University, in January 2020 semester provided by Spoken Tutorial project, IIT Bombay on 30th May2020.</li> <li>29. Certificate of Participation from MHRD’s Innovation Cell, India’s first leadership talk Webinar on 27th June 2020 with Dipendra Manocha.</li> <li>30. Certificate of Participation from MHRD’s Innovation Cell, India’s first leadership talk Webinar on 13th June 2020 with R. Subramanium.</li> <li>31. Certificate of Appreciation for participating in COVID-19 Awareness Program Conducted by JNTUH College of Engineering, Jagatial, Telangana.</li> <li>32. Attended Webinar titled “Virtual Classroom Management Using Microsoft teams” conducted by Lakki Reddy Bal Reddy College of Engineering, AP on 11/05/2020.</li> <li>33. Attended Webinar on the title “ Supervision and Monitoring of Teaching processes of TVET Teachers” conducted by CPSC Phillipines on 14th May2020.</li> <li>34. Attended Webinar on “ Engineer’s Role in fighting the battle against Covid-19” conducted by Ankit Kathuria using Webex on 08th May 2020.</li> </ol>
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XX	Details of Journal Publications/ Conferences (National and International)	<p><b>International Journals</b></p> <ol style="list-style-type: none"> <li>1. P. Satyanarayana Goud, Panyam Narahari Sastry, P. Chandra Sekhar, "A novel intelligent deep optimized framework for heart disease prediction and classification using ECG signals", Multimedia Tools and Applications, <b>Springer</b>, Volume -83 Issue – 12, <b>April 2024</b>, ISSN 1573-7721, pp 34715 - 34731.</li> <li>2. M. Ramana Reddy, M. Lakshmi Narasimha Charyulu, Kushwah Vivek Singh, Panyam Narahari Sastry, Rohit Kumar, "Design and investigation on two port circularly polarized graphene-silicon based MIMO antenna with high isolation for THz wireless applications", Journal of Optics (India), <b>Springer,2024</b>. ISSN: 0972-8821.</li> <li>3. Kushwah Vivek Singh, M. Ramana Reddy, M. Lakshmi Narasimha Charyulu, , Panyam Narahari Sastry, Shally Goyal, "Design and analysis of frequency agile LP to CP convertor loaded silicon–graphene based MIMO array antenna in THz regime", Journal of Optics (India), <b>Springer, 2024</b>. ISSN: 0972-8821.</li> <li>4. T Sanjeev Kumar, Panyam Narahari Sastry, P. Chandra Sekhar,"Aerial Moving Object Segmentation using Feature Pyramid Networks and Efficient Net deep learning model", IJCNIS, International Journal of Communication Networks and Information Security, <b>January 2024</b>, ISSN: 2074-9090.</li> <li>5. T Sanjeev Kumar, Panyam Narahari Sastry, P. Chandra Sekhar, "Aerial Image Semantic Segmentation using modified efficient Unet" ANVESAK,SPIESR(Publisher),<b>UGC Care group 1, December 2023</b>, ISSN-0378-4568.</li> <li>6. P. Satyanarayana Goud, Panyam Narahari Sastry, P. Chandra Sekhar, "Analysis of ECG signals using frequency and time domain features with SVM", International Journal of Research in Applied Science and Engineering Technology(IJRASET), UGC, <b>August 2023</b>, Volume -11, Issue –VIII, pp-1369-1380,DOI-<a href="https://doi.org/10.22214/ijraset.2023.55320">https://doi.org/10.22214/ijraset.2023.55320</a>.</li> <li>7. P. Satyanarayana Goud, Panyam Narahari Sastry,P. Chandra Sekhar", A novel hybrid deep learning system for cardiovascular detection and salient feature extraction from ECG Data ", IJRITCC, <b>Elsevier, 2023</b>,ISSN-2321-8169.</li> <li>8. N Phani Bindu, Panyam Narahari Sastry, "Automated brain tumor detection and segmentation using modified UNet and ResNet model",Soft Computing, <b>Springer Nature</b>, Volume 27, Issue 13, <b>July 2023</b>, pp 9179 – 9189.</li> </ol>
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9. N Phani Bindu, Panyam Narahari Sastry, "Automated classification of brain tumor images using hybrid machine learning techniques", *Neuro Quantology*, Anka Publisher, Volume 27, Issue 13, **January 2023**, ISSN-1303-5150, pp 150-156, DOI:10.48047/NQ.2023.21.3.NQ33017.
10. N Phani Bindu, Panyam Narahari Sastry, "Automated identification of brain tumor using image transformation methods", *Mathematical Statistician and Engineering Application*, Mathematical and Research Society, Volume 71, Issue 4, 19 August 2022, ISSN- 2984-7869, pp 150-156, DOI:https://doi.org/10.17762/msea.v71i4.1429.
11. Kasiprasad Mannepalli, Panyam Narahari Sastry, Maloji Suman, "Emotion recognition in speech signals using optimization based multi-SVNN classifier", *Journal of King Saud University-Computer and Information Sciences*, Elsevier, Volume -34 Issue – 2, February 2022, ISSN 1018-3647, pp 384-397.
12. Panyam Narahari Sastry, Syed Sameer, Mohammed Sameer Syed, "Recognition of Offline Handwritten Characters using 2D-FFT for English and Hindi Scripts" *International Journal of Engineering and Advanced Technology (IJEAT)*, Blue Eyes Intelligence Engineering & Sciences Publication, Volume - 9 Issue – 4, **April 2020**, ISSN: 2249-8958, pp 1512 – 1517, DOI:10.35940/ijeat.D7339.049420.
13. Panyam Narahari Sastry, G. Akhil, Vaishnavi Suthram, "Analysis and Recognition of Bilingual Handwritten Scripts", *International Journal of Recent Technology and Engineering (IJRTE)*, Blue Eyes Intelligence Engineering & Sciences Publication, Volume-8 Issue-6, **March 2020**, ISSN: 2277-3878, pp 2571–2578, DOI:10.35940/ijrte.F8538.038620.
14. Kasiprasad Mannepalli, Suman Maloji, Panyam Narahari Sastry, Swetha Danthala, DP Mannepalli, "Text independent emotion recognition for Telugu speech by using prosodic features", *Int. J. Eng. Technol*, Volume-7 Issue-4, 2018, ISSN 2227-524X pp 111-126.
15. T.R. Vijaya Lakshmi, P.Narahari Sastry, T.V.Rajinikanth, "Feature selection to recognize text from palm leaf manuscripts," *Signal, Image and Video Processing*, **Springer**, Vol. 12, No.2, February **2018**, pp.223-229, ISSN No. 1863-1703, DOI 10.1007/s11760-017-1149-9.
16. P. Narahari Sastry, N.V.Koteswara Rao, R. Krishnan "System and method for palm leaf character recognition using 2D Haar wavelet transform and 3d feature" *Official Journal of the Patent Office*, issue No. 03/**2016**, 15/01/2016, pp 2268.
17. P. Narahari Sastry, T.R. Vijayalakshmi, R. Krishnan, N.V.Koteswara Rao, "Modeling of Palm Leaf Character Recognition System using Transform based Techniques", **Pattern Recognition Letters**, Volume 84, 1 December **2016**, Pages 29-34, ISSN 0167-8655.
18. T.R. Vijaya Lakshmi, P.Narahari Sastry, T.V.Rajinikanth, "A novel 3D approach to recognize Telugu palm leaf text", *Int. Journal of Eng. Sci. Tech.*, vol.20, no.1, pp. 143-150, **2016**.



19. N. Swetha, P.Narahari Sastry, Y.Rajasree Rao, Samrat L.Sabat, "Fast Sequency- Ordered Complex Hadamard Transform based Parzen Window Entropy detection for Spectrum Sensing in Cognitive Radio Networks", **IEEE Communications Letters**, 2016, vol.20, issue no.7, pp. 1-1, **DOI: 10.1109/LCOMM.2016.2548466**.
20. N. Swetha, P.Narahari Sastry, Y.Rajasree Rao, Samrat L.Sabat, "Parzen window entropy based spectrum sensing in cognitive radio", **Computers and Electrical Engineering** (2016), Volume 52, May 2016, Pages 379-389, ISSN 0045-7906.
21. Kasiprasad Mannepalli, Panyam Narahari Sastry & Maloji Suman, "MFCC-GMM based accent recognition system for Telugu speech signals," International Journal of Speech Technology, **Springer**, (IJST), Vol.19, issue no. 1, pp. 87-93, March 2016.
22. P. Narahari Sastry, T.R. Vijayalakshmi, N.V.Koteswara Rao, R. Krishnan, "Analysis Of Telugu Palm Leaf Characters Using Multilevel Recognition Approach," **Journal of Engineering and applied Sciences**, Vol 10, No. 15, **ARNP**, November 2015, pp 9258-9264.
23. T.R. Vijayalakshmi, P. Narahari Sastry, Rajinikanth, "Hybrid Approach for Telugu Handwritten Character Recognition using k-NN and SVM Classifiers", **International Review on Computers and Software**, vol.10, no.9, 2015, pp 923- 929.
24. M.Kasi Prasad, P. Narahari Sastry, V. Rajesh, "Accent Detection of Telugu Speech using Supra-Segmental Features", **Journal of Soft Computing**, Vol.10, No.5, 2015, pp.287-292.
25. N.Swetha, P.Narahari Sastry, Y.Rajasree Rao, "Spectrum Sensing Analysis using PSD based entropy detection of DVB-T signal", **Journal of Engineering and applied Sciences**, Vol 9, No.12, **ARNP**, December 2014, pp 2854 -2857.
26. M.Kasi Prasad , P. Narahari Sastry, V. Rajesh, "Modeling and analysis of Accent based Recognition and speaker identification system", **Journal of Engineering and applied Sciences**, Vol 9, No. 12, **ARNP**, December 2014, pp 2807-2815.
27. P.Narahari Sastry, Ramakrishnan Krishnan, and B. V. Sanker Ram," Classification and Identification of Telugu Handwritten Characters extracted from Palm Leaves using Decision tree Approach", **ARNP** (Asia Research Publication Network), Journal of Engineering and Applied Sciences, Vol 5, No. 3, March 2010, pp 22- 32.
28. P.Narahari Sastry, Ramakrishnan Krishnan, and B. V. Sanker Ram, "Telugu Character Recognition of Palm leaves- A Three dimensional Approach", JNTUH, TECHNOLOGY SPECTRUM, Vol 2, No.3, November 2008, pp 19- 26.

**International Conferences:**

1. N. Swetha, P.Narahari Sastry, Y.Rajasree Rao, "Performance analysis of Compressed Sensing in Cognitive Radio Networks", International conference on Frontiers in Intelligent Computing Theory and Applications, Springer, Sept. 16-17 2016, pp. 199-207, Place: Bhubaneswar, 2016.
2. T.R. Vijaya Lakshmi, P.Narahari Sastry, T.V.Rajinikanth, "Feature optimization to recognize Telugu handwritten characters by implementing DE and PSO techniques", International conference on Frontiers in Intelligent Computing Theory and Applications, Springer, Sept. 16-17 2016, pp. 397-405, Place: Bhubaneswar, 2016.
3. Kasiprasad Mannepalli, Maloji Suman, Panyam Narahari Sastry, "Accent recognition system using deep belief networks for Telugu speech signals" International conference on Frontiers in Intelligent Computing Theory and Applications, Springer, Sept. 16-17 2016, pp. 99-105, Place: Bhubaneswar, 2016.
4. P. Narahari Sastry, T.R. Vijayalakshmi, N.V.Koteswara Rao, R. Krishnan, "A 3D approach for Palm leaf character recognition using Histogram computation and Distance profile features", International conference on Frontiers in Intelligent Computing Theory and Applications, Springer, Sept. 16-17 2016, pp. 387-395, Place: Bhubaneswar, 2016.
5. Kasiprasad Mannepalli, Maloji Suman, Panyam Narahari Sastry, "Analysis of Emotion recognition system For Telugu using prosodic and formant features" in CSI - 2015; CSI - 50th Golden Jubilee Annual Convention, New Delhi during 02nd - 05th December, 2015, published by Springer under AISC Series.
6. M.Kasi Prasad, P. Narahari Sastry, V. Rajesh, "Accent Detection of Telugu Speech Using Prosodic and Formant Features", Spaces, 2015, K.L.University, pp 318-322.
7. T.R. Vijayalakshmi, P. Narahari Sastry, R. Krishnan, N.V.Koteswara Rao, T.V. Rajanikant , "Analysis of Telugu Palm Leaf Character Recognition Using 3D Feature" Computational Intelligence and Networks (CINE), 2015 International Conference, IEEE explorer, 2015, pp 36-41.
8. P. Narahari Sastry, T.R. Vijayalakshmi, N.V.Koteswara Rao, T.V.Rajanikant, A.Wahab, "Telugu Handwritten Character Recognition Using Zoning Features", IT Convergence and Security (ICITCS), 2014 International Conference, IEEE explorer, 2014, pp 105-108.
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10. M.Kasi Prasad, P. Narahari Sastry, V. Rajesh, "Analysis and design of speaker identification system using NNC" Proceedings of International Conference, ICACM 2013, Elsevier Publication, August 2013.
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