CURRICULUM VITAE

Dr. SUBBA RAO. MEDABALIMI
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Objective:

Seeking a position to utilize my skills and abilities in the teaching field that offers professional growth while being resourceful, innovative and flexible.

Personal Skills:

Comprehensive problem-solving abilities, excellent verbal and written communication skills, Ability to deal with people diplomatically, willingness to learn, Team facilitator.

Strengthens:

➢ Excellent teaching and students feedback based on student's feedback analysis.
➢ Excellent students result in handled subjects based on result analysis.
➢ Able to give Coaching for GATE and written test conducted by software companies (TCS, WIPRO, Satyam, Infosys etc.)

Academic Qualifications:

Course	Specialization	Institution	University	Year of Pass	% of Marks
Ph. D.	Computer Science and Engineering	JNTUA, Ananthapuramu	JNTUA Anantapur	August 2021	---
M. Tech.	Computer Science and Engineering	JNTUACEA, Anantapuramu	JNTU University Hyderabad	October 2005	78.00
B. Tech.	Computer Science and Engineering	N.B.K.R.I.S.T. Vidyanagar, Nellore	SV University Tirupathi.	May 2000	65.14
Intermediate	M.P.C	Sri Naga Bhairava Junior College, Ongole, Prakasam	Board of Intermediate Education	April 1996	91.00
S.S.C	--	A.P.R.S. Ganapavaram, Prakasam Dt.	Board of S.S.C	April 1994	86.00

Total Experience:

Total Teaching experience: **22 Years**
Total Research experience: **16 Years**

Professional Experience:

College Name	Designation	Period	
		From	To
Annamacharya Institute of Technology and Sciences, Rajampet, Kadapa Dt.	Lecturer in CSE	25-07-2000	26-07-2003
	Assistant Professor in CSE	27-07-2003	11-12-2005
	Associate Professor in CSE	12-12-2005	31-08-2009
	Associate Professor & Head of the Department, Information Technology	01-09-2009	30-11-2011
	Professor & Head of the Department, Information Technology	01-12-2011	18-12-2016
	Professor in Information Technology & Coordinator Student Welfare, AITS	19-12-2016	30-06-2018
	Professor in Artificial Intelligence and Data Science and Dean of Student Affairs, AITS	01-07-2018	31-07-2021
	Professor in CSE & Dean, Student Affairs, AITS	01-08-2021	07-01-2022
	Professor in CSE & Dean, Student Affairs, In-charge for Non-statutory and Professional Bodies, AITS	08-01-2022	19-07-2022
	Head of the Department of CSE, Coordinator for AIDS,AIML,CSE(AI) and CSE(DS), Dean, Student Affairs, In-charge for Non-statutory and Professional Bodies, AITS	20-07-2022	Till date

Subjects Taught:

1. Formal Languages & Automata Theory/ Theory of Computation
2. Compiler Design
3. Mathematical Foundations of Computer Science
4. Design and Analysis of Algorithms
5. Software Engineering
6. Simulation and Modeling
7. System Programming
8. Soft Computing
9. Image Processing
10. Automata and Compiler Design
11. Neural Networks and Applications
12. Artificial Intelligence
13. Artificial Intelligence & Fuzzy Logic
14. Data Structures Through C
15. C And Data Structures
16. Artificial Neural Networks
17. Object Oriented Analysis and Design
18. Design Patterns
19. Computer Organization
20. Principles of Programming Languages
21. Operating Systems
22. Switching Theory and Logic Design
23. Network Security and Cryptography
24. Software Testing Methodologies
25. Artificial Intelligence and Expert Systems
26. Machine Learning
27. Soft Computing Techniques
28. Artificial Intelligence and Neural Networks

My Projects:

B. Tech. (CSE): Online Examination System

This project has a vital role to play in the changing patterns of conducting examinations. Previously, examinations were conducted on a particular day and the evaluation of the papers took a lot of time. And also, the examination may at most be conducted in a few centers throughout the world. In this pattern of examination, the security of question paper is a big problem. With this project, the results of the examination can be viewed as the examination is completed and the question paper is secured because the questions are drawn from the question bank present in the server.

M. Tech. (CSE): A Computer aided system to transcribe the Braille short hand sentences (**Artificial Intelligence-Natural Language Processing**)

Braille shorthand is a form of Braille which uses contractions to represent frequently used words, group of letters etc. Braille shorthand enhances the speed at which Braille can be embossed or read by a visually handicapped person. Current Braille shorthand machine is a hand-held mechanical device which embosses the code on a paper tape. To the best of my knowledge no electronic machine is available in the market to automatically transcribe Braille shorthand to full text. In this project, the design of a program which automatically transcribes the Braille shorthand in a PC to complete sentences is proposed. The transcribed text can be spoken by a text-to-speech system for the benefit of the visually handicapped or printed using a Braille printer.

Ph.D. (CSE): Machine Learning Approaches for Texture Classification using novel Feature Selection Methods

The main objective of this research work is to solve the computational burden from a large dataset set by choosing a number of specific features to enhance the classification accuracy. To accomplish this goal, the pre-processing method, Fuzzy Inclusion and Fuzzy Entropy measures are applied on selected images to eliminate noise. Kullback-Leibler (KL) Divergence-based feature selection is proposed for texture classification on pre-processed images to extract appropriate features from the feature set. A further efficient selection method, Minkowski distance measure-based clustering, also proposed that the most significant features are selected for effective classification.

A novel classifier, Modified Weighted Probabilistic Neural Network (MWPNN) is proposed in this work for texture classification. The selected features from KL-Divergence and Minkowski distance-based Clustering Feature Selection Methods are feed to MWPNN and then accuracy is calculated. The classification accuracy is also calculated for the features extracted from the first order and second order statistical approaches of Gray Level Co-occurrence Matrix (GLCM), Gray Level Difference Matrix (GLDM) and Gray Level Run Length Matrix (GLRLM) without feature selection. The performance of MWPNN algorithm with feature extraction and feature selection methods is assessed with regard to accuracy and the results are compared to machine learning approaches such as SVM, KNN and Naïve Bayes (NB).

Further, a new approach, an Improved Convolutional Neural Network (CNN) with Long-Short Term Memory (LSTM) is also proposed for texture classification in this study. CNN-LSTM provides superior classification accuracy to the existing approaches CNN and SVM. The efficiency of CNN-LSTM is also compared to MWPNN and it is observed that the MWPNN method achieves the better accuracy when compared to the CNN-LSTM method. This work concentrates on the analysis of texture classification and introducing the novel feature selection methods for texture classification through machine learning approaches.

Research and Development Activities

Funds Received from Government Agencies:

1. Received an Amount of Rs.**4, 50,000/-** from **AICTE** as Grant-in-aid in the proposal submitted under the scheme of **MODROBS** for the academic year 2013-14.
2. Received an Amount of Rs.**2, 00,000/-** from **AICTE** as Grant-in-aid in the proposal submitted under the scheme of **Seminar Grant** for the academic year 2013-14.

Research Interests:

1. Image Processing
2. Pattern Recognition
3. Artificial Intelligence
4. Machine Learning
5. Neural Networks
6. Compiler Design

Projects Guided:

B. Tech. Level: 37
M. Tech. Level: 12

M. Tech. Projects:

S. No.	Title of the Project	Academic Year
1	Efficient Algorithm for Hierarchical Online Mining of Association Rules	2007-2008
2	DDoS-Resilient Scheduling to counter Application layer attacks under imperfect detection	2007-2008
3	A Parallel File Transfer Protocol for Clusters and Grid Systems	2008-2009
4	DDoS-Resilient Scheduling to counter Application Layer attacks under Imperfect detection	2008-2009
5	Minimum Distance between Pattern Transformation Manifolds: Algorithms and Applications	2009-2010
6	Parallel Clustering Algorithm for Large datasets	2009-2010
7	Incremental Learning of Chunk Data for Online Pattern Classification System	2011-2012
8	Inference from Aging Information	2011-2012
9	A Modified Probabilistic Neural Network (MPNN) for Brain Tumor Classification	2011-2012
10	A Modified Probabilistic Neural Networks for Texture Classification	2011-2012
11	A Novel Filtering Approach for Removing Noise from Under Water Images using Convolutional Neural Networks with Long Short Term Memory (CNN-LSTM)	2021-2022
12	Deep Convolutional Neural Network For Big Data Medical Image Classification	2021-2022

B. Tech. Projects:

S. No.	Title of the Project	Academic Year
1	Video Store Management	2001-2002
2	Signature Verification using Neural Networks	2002-2003
3	Digital Image Data compression	2003-2004
4	Telecom Administration Management System	2003-2004
5	Online Examination System	2003-2004
6	A Computer aided system to transcribe the Braille Shorthand sentences	2003-2004
7	Online Assessment Program	2004-2005
8	Web content filter using Neural Networks	2005-2006
9	Industrial Security System	2006-2007
10	Web based HR Recruitment Process	2007-2008
11	Steganography in Audio files	2007-2008
12	Steganography using BPCS to the Integer wavelet transformed Image	2008-2009
13	Air Mail	2008-2009
14	A Signature-based Indexing method for efficient Content-based Retrieval of Relative Temporal Patterns	2009-2010
15	Ranked Reverse nearest Neighbor Search	2009-2010
16	Human Face recognition by using Neural Networks	2009-2010
17	Text Mining in Ultra sound Images	2009-2010
18	Fuzzy keyword search over encrypted data in Cloud Computing	2010-2011
19	Ensuring Data storage security in Cloud Computing	2010-2011
20	Reconfiguration of Machine cell Design using Neural Networks	2010-2011
21	Optical Hand written Character Recognition using Artificial Neural Networks	2010-2011
22	Telecom Services	2010-2011
23	Cyber Shopping	2010-2011
24	E-Admission	2010-2011
25	Feed forward Back propagation Neural Networks based Medical Image Classification	2011-2012
26	SQL Workbench	2011-2012
27	Parametric analysis of Texture Classification using Weighted Probabilistic Neural Networks	2012-2013
28	Jamming attacks prevention using Packet hiding methods	2013-2014
29	Texture Classification using Soft Computing	2013-2014
30	Online shortest path Computation	2014-2015
31	Image enhancement using Neuro-Fuzzy Logic	2016-2017
32	Detecting the presence of eye glasses on Face Image using PCA	2017-2018
33	An Implementation of automatic clothing patterns and color recognition for Blind people using Pattern Recognition	2018-2019
34	An Implementation of Automatic Speaker Recognition System using Multilayer Perceptron & Support Vector Machine Algorithms	2019-2020
35	An Implementation of Automatic Speaker Recognition System using K-Nearest Neighbor & Random Forest Algorithms	2019-2020
36	Annamacharya Information Management Systems (AIMS)	2020-2021
37	Arduino based Traffic Congestion Control System with Automatic Signal clearance for Emergency vehicles and Stolen vehicle Detection	2020-2021
38	A Comparison of Deep Learning and classical Machine Learning Algorithms for Image based plant disease detection	2021-2022
39	A Novel filtering approach for removing noise from underwater images	2021-2022

Paper published in National /International Journals:

a) Patents:
1. Dr.M.Subba Rao et al **"Method for simultaneous scheduling in multi machine flexible manufacturing system to minimize make span"** with Indian Patent No: 202241025473 filed on 01/05/2022.
2. Dr.M.Subba Rao et al **"Machine Learning based Medical device quality checking system"** with Indian Patent filed on 01/09/2022.

b) Book Chapters:

1. M. Subba Rao, B. Eswara Reddy, "**Parametric Analysis of Texture Classification using Modified Weighted Probabilistic Neural Network (MWPNN)**" Modern approaches in Machine Learning and Cognitive Science: A Walk through, Volume. 956, 2021, **Studies Computational Intelligence**, Chapter 37, 978-3-030-68290-3, 499760_1_En **[Springer Nature].**

c) International Journals:

1. Dr. M. Subba Rao, Pola Nimagna,"**Improvement of Noise Removal and Quality of Underwater Images using Super Resolution Method**", Telematique, Volume.21,2022,Issue 1,4884-4900**. [Web of science]**
2. Dr. M. Subba Rao, Kethireey Anusha,"**Analysis of Medical Image data by deep Convolution Techniques and Kernel Density Estimation**", Neuroquantology, Volume.20,2022,Issue 11,2565-2574. DOI: 10.14704/NQ.2022.20.11.NQ66257. **[Scopus]**
3. Dr. M. Subba Rao,Sangaraju Swathi,"**Deep Learning Technique for automatically classifying Images**", Mathematical Statistician Engineering Applications, Volume.71,2022,Issue 4,2362-2370. ISSN:2094-0343.(**Scopus)**
4. M. Subba Rao, B. Eswara Reddy, "**Texture Classification using Minkowski Distance Measure based Clustering for Feature Selection**", accepted and to be published in the month of July 2022, Journal of Electronic Imaging, Vol.31.Issue.4, 041204 (2022), DOI: 10.1117/1.JEI.31.4.041204. SPIE Digital Library **[SCI].**
5. M. Subba Rao, B. Eswara Reddy, "**Kullback-Leibler (KL) Divergence Based Feature Selection for Image Texture Classification**", Applications and Applied Mathematics: An International Journal, Volume.9, 2021, Special Issue. ISSN: 1932-9466 **[WOS].**
6. M. Subba Rao, B. Eswara Reddy, "**Image Texture Classification using Fuzzy Inclusion and Fuzzy Entropy Measures**", International Journal of Advanced Trends in Computer Science and Engineering, Volume.9, No.4, August 2020: ISSN: 2278-3091. [**SCOPUS INDEXED**].
7. M. Subba Rao, B. Eswara Reddy, "**An Improved Convolutional Neural Network with LSTM Approach for Texture Classification**", International Journal of Emerging Trends in Engineering Research, Volume.8, No.7, July 2020, ISSN: 2347-3983 [**SCOPUS INDEXED].**
8. M. Subba Rao, Y Haritha, AHV Reddy," **Automatic Speaker Recognition System using k-Nearest neighbor Algorithm**", Journal of Engineering Sciences, Vol.11, No.4,2020 pp.576-583, ISSN:0377-9254.
9. M. Subba Rao, Y Haritha, AHV Reddy," **Support Vector Machine based Automatic Speaker System**", The International Journal of analytical and experimental model analysis, Vol.12, No.4, 2020, pp.526-535, ISSN:0886-9367.
10. M. Subba Rao, GB Lakshmi, P Gowri, KB Chowdary," **Random Forest based Automatic Speaker System**", The International Journal of analytical and experimental model analysis, Vol.12, No.4, 2020, pp.1041-1049, ISSN: ISSN:0886-9367.

11. M. Subba Rao, PVK Lokeswari, AHV Reddy," **Automatic Speaker Recognition System using Multi-layer Perceptron Algorithm**", Journal of Interdisciplinary Cycle Research, Vol.12, No.4, 2020, pp.455-463, ISSN: 0022-1945.
12. M. Subba Rao, S Manda, KA Kumar, "**Global Aggregation Network Nodes for Creation of Transient Networks**", International Journal of Research and Analytical Reviews-IJRAR19D1216, Vol.6, No.4, 2019, pp.463-466, E-ISSN: 2348-1269 P-ISSN: 2349-5318.
13. M. Subba Rao, S Manda, KA Kumar, "**Global Security using Human Face Recognition System**", International Journal of Research and Analytical Reviews-IJRAR19D1216, Vol.6, No.1, 2019, pp.455-459, E-ISSN: 2348-1269 P-ISSN: 2349-5318.
14. M. Subba Rao, et al "**Using Parser performs Segmentation of Webpages and Extraction of Templates**", Journal of Emerging Technologies and Innovative Research, Vol.5, No.5, 2018, 2349-5162.
15. M. Subba Rao, B. Eswara Reddy, "**Weighted Probabilistic Neural Network based Texture Classification**", Journal of Emerging Technologies and Innovative Research, Volume 5, No.4, 2018 ISSN: 2319-5162.
16. M. Subba Rao, B. Eswara Reddy, "**Performance Analysis of Statistical and Structural Pattern Recognition Methods**", International Journal of Research and Analytical Reviews, Volume 4, No.4, 2017 ISSN: 2349-5138.
17. M. Subba Rao, Rajesh Mallela, K. Rajsekhar Reddy, "**Mobile Social TV based on Cloud**", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2, No.10, October 2014.
18. M. Subba Rao, M. Kiranmayee," **Texture Classification using Weighted Probabilistic Neural Networks**", International Journal of Image Processing and Vision Sciences, Vol.1, No,2, 2012, pp. 105-108.
19. K. Sudhakara Reddy M. Subba Rao, Dr. B. Eswara Reddy," **Probabilistic Neural Network for Brain Tumor classification**", International Journal of Advanced Research in Computer Science and Software Engineering, Vol.2, No.7,2012, ISSN(Print):2277 6451, ISSN(Online):2277 128x.
20. B. Pandu Ranga Raju, P. Renuka Swarna and M. Subba Rao "**Privacy and Security issues of Cloud Computing**", International Journal of Advanced Research in Technology, Vol. 1, No.2, November 2011, pp.38-46.
21. K. Ramana, A. Rama Mohana Reddy, M. Subba Rao, K. Suresh and S. Fahimuddin "**Performance Analysis of Load Balancing Algorithms using Qualitative Parameters: A Review**", CiiT International Journal of Networking and Communication Engineering, Volume 3, No.12, 2011, pp.810-814.
22. K. Ramana, M. Subba Rao, K. Suresh, "**Performance Analysis of Load Balancing Techniques for Web Server Systems",** International Journal of Advanced Research in Technology, Vol.1, No.1, pp.33-37, 2011. ISSN:6602-3127
23. M. Subba Rao, B. Eswara Reddy, "**An Overview of Pattern Recognition Methods on Texture Classification**", CiiT International Journals of Artificial Intelligent systems and Machine Learning, VoL.3, No.7, July 2011, pp.426-430, ISSN: 0974-9667.
24. M. Subba Rao, K. C. Vara Prasad, K. Prahlada Rao, "**Reconfiguration of Machine Cell Design in Flexible Manufacturing System: A Neural Network approach**", International Journal of Technology World, Malaysia, Vol.2, No.2, pp.47-55, July-August 2010, ISSN: 2180-1614.

d) National Journals:

1. M. Subba Rao, B. Eswara Reddy "**Comparative Analysis of pattern Recognition Methods: An Overview**" Indian Journal of Computer Science and Engineering (IJCSE), Vol. 2, No. 3, 2011, ISSN: 0976-516. **[SCOPUS INDEXED]**
2. M. Subba Rao, P. Prathap, "**Comparative Analysis of Pattern Recognition Methods**", National Journal on Information and Communication Engineering, Special Issue, Aug 2011, ISSN: 2231-2099.

Papers Presented in National /International Conferences:

a) International Conferences:

1. M. Subba Rao, B. Eswara Reddy, "**Parametric Analysis of Texture Classification using Modified Weighted Probabilistic Neural Network**", International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA2020) held virtually on 30th August 2020.
2. M. Subba Rao, B. Eswara Reddy, "**Kullback-Leibler (KL) Divergence Based Feature Selection for Image Texture Classification**", International Conference on Advances in Science, Engineering and Mathematics (ICASEM2020) held virtually on 7th August 2020.
3. M. Subba Rao, et al "**Reducing Power Consumption at Computer Architectures to improve the performance**", International Conference on Advances in Computing Logic, Technology and Sciences, on 11th March 2016 organized by Anantha Lakshmi Institute of Technology and Sciences.
4. M. Subba Rao, "**Texture Classification using Weighted Probabilistic Neural Networks**", International Conference on Computer Science and Information Technology (ICCSIT) held at Pune by IRNet on 14th, July 2012.
5. K. Ramana, M. Sankara Prasanna Kumar, M. Subba Rao, "**A survey on Cloud computing and Service Oriented Architecture",** First International Conference on Advanced Computing Technology (ICACT2011), on 29th & 30th July 2011at J.K.K.Nataraja college of engineering and technology, Chennai.
6. K. Suresh, M. Subba Rao, M. Sankara Prasanna Kumar, K. Ramana "**Improved Clustering for the Unlabeled datasets Using CLODD Method",** First International Conference on Advanced Computing Technology, on 29th & 30th July 2011at J.K.K.Nataraja college of engineering and technology, Chennai.
7. K. Ramana, M. Subba Rao, T.N. Ranganatham "**Performance Analysis of Load Balancing Techniques for Web Server Systems",** First International Conference on Advanced Computing Technology (ICACT2011), on 29th & 30th July 2011at J.K.K.Nataraja college of engineering and technology, Chennai.

b) National Conferences:

1. T. Hari Krishna, N. Geethanjali, M. Subba Rao, "**2D HARR Wavelet Transformation for Image Compression**", National Conference on Innovations in Engineering & Technology held at Gudlavelleru Engineering College on 27th & 28th December 2013.
2. M. Subba Rao, "**Texture Classification using Probabilistic Neural Networks and Weighted Probabilistic Neural**", National Conference on Advanced Computing – 2013 held at AITS, Rajampet on 7th & 8th, December 2013.
3. M. Subba Rao, "**A Modified Probabilistic Neural Networks for Brain Tumor Classification**", National Conference on Networking & Information Technology held at AITS, Rajampet on 12th & 13th, October 2013.
4. M. Subba Rao, "**Probabilistic Neural Networks for Brain tumor classification**", National conference on Technological Developments in Power Engineering held at Vignan University, Guntur on 17-18, August 2012.
5. M.Subba Rao, "**Probabilistic Neural Networks for Brain tumor classification**", A Two-day National conference on Advances in Computer Networks & Information Security held at Sree Vidyanikethan Engineering College, Tirupathi on 12-13, July 2012.
6. M. Subba Rao, "**An Extenics based Load Balancing mechanism in Distributed Computing Systems**", First National Conference on Recent Trends in Information Technology held at R.M.K College of Engineering, Chennai on 20th February 2012.
7. K. Ramana, M. Subba Rao and M. Sankara Prasanna Kumar "**Emerging trend impacts on cloud computing and service-oriented architecture**" National Conference on Emerging Trends in Engineering applications on 16, May 2011.

8. M. Subba Rao, "**Comparative analysis of Pattern Recognition**", National Conference on Recent Trends in Information Science, NCRTIS-2K11, at JNN Institute of Engineering on 3rd August 2011.
9. P. Naga Raju, M. Subba Rao," **Incremental Learning of Chunk data for online Pattern Classification Systems**", National Conference on High Performance Computing and Networking on 13 & 14, August 2011, ISBN: 978-93-81583-00-5.
10. J. Sathya Babu, M. Subba Rao, "**Design of Integrated Multimedia Compression and Encryption Systems**", National Conference on High Performance Computing and Networking on 13 & 14 August 2011, ISBN: 978-93-81583-00-5.
11. M. Subba Rao," **Recent Trends in Information Sciences**" at J.N.N. Institute of Engineering on 3rd, August 2011.
12. M. Subba Rao, " Texture Classification using Artificial Neural Networks", National Conference on Emerging Trends in Engineering Applications (NCETEA-2011) on 16th May 2011 at Al Habeeb College of Engineering and Technology.
13. M. Subba Rao and D. Prathyusha, "**Reconfiguration of Machine Cell Design in Flexible Manufacturing System**", National Conference on Emerging Trends in Image Processing, NCETIP'11 on 11th March 2011 sponsored by DRDO, Sri Ram Engineering College, Chennai.
14. M,SubbaRao and P.Srinivas Reddy, "**Piracy of digital water marking relational databases**" in National Conference on Network Technologies NCNT'09 at Sri Venkateswara College of Engineering & Technology, Chitoor on 29th December, 2009.
15. M. Subba Rao and M. Sreenivas Reddy, "**Approach of Proactive Tree Recovery for Overlay Multicas**t", National Conference on Network Technologies NCNT'09 at Sri Venkateswara College of Engineering &Technology, Chitoor on 29th Dec, 2009.

Workshops Organized:

1. Acted as organizing chairperson for AICTE Sponsored two-week faculty development programme on "**Big Data Analysis and Machine Learning**" from 18th to 30th of November 2019.
2. Organized "**Pedagogy for Online and Blended Teaching-Learning Process - autumn 2018**" from 30th October to 13th December 2018.
3. Organized "**Foundation Program in ICT for Education - autumn 2018**" from 13th September to 18th October 2018.
4. Organized "**Pedagogy for Online and Blended Teaching-Learning Process** "from 3rd May to 30th May 2018.
5. Organized "**Foundation Program in ICT for Education Process**" from 8th March to 12th April 2018.
6. Organized Two-day Weekend Training Programme Saptahaant Shikshak Prashikshan (SSP) on "**Introduction to Machine Learning**" from 16th December to 17th December 2017 organized by IIT Kharagpur.
7. Organized Two Week ISTE STTP on "**Pedagogy for Online and Blended Teaching-Learning Process**" from 14th September to 12th October 2017 organized by IIT Bombay.
8. Organized Two Week ISTE STTP on "**Foundation Program in ICT for Education**" from 3rd August to 7th November 2017 organized by IIT Bombay.
9. Organized Two Week ISTE STTP on "**Electric Power System**" from 12th July to 15th July 2017 organized by IIT Kharagpur.
10. Organized Two Week ISTE STTP on "**CMOS, Mixed Signal and Radio frequency VLSI Design**" from 30th January to 04th February 2017 organized by IIT Kharagpur.
11. Organized Four Week AICTE approved FDP on "**Use of ICT in Education for Online and Blended Learning** "from 2nd May to 10th July 2016 organized by IIT Bombay.
12. Organized Two-Week ISTE STTP on "**Introduction to Structural Engineering**" from 30th November 2016 to 9th January 2016 organized by IIT Kharagpur.
13. Organized Two-Week ISTE STTP on "**Engineering Physics**" from 8th December to 18th December 2015 organized by IIT Bombay.

14. Organized Two-Week ISTE STTP on "**Technical Communication**" from 30th November to 5th December 2015 organized by IIT Bombay.
15. Organized Two Week ISTE STTP on "**Environmental Studies**" from 2rd June to 7[12h] June 2015 organized by IIT Bombay.
16. Organized Two-week ISTE STTP on "**Introduction to Design of Algorithms**" conducted by IIT, Kharagpur from 27th April to 30th May 2015.
17. Organized one day workshop on "**Advanced Concepts in Data Mining**" conducted by Department of Information Technology, AITS, Rajampet on 17th April 2015.
18. Organized Two-week Short Term Training Programme on "**Pedagogy for Effective use of ICT in Engineering Education**" conducted by IIT, Bombay from 5th to 31st January 2015.
19. Organized Two-week ISTE Workshop on "**Control Systems**" conducted by IIT, Kharagpur from 2nd to 12th December 2014.
20. Organized Two-week ISTE Workshop on "**Computer Programming**" conducted by IIT, Bombay from 20st May to 21th June 2014.
21. Organized Two-week ISTE Workshop on "**Computer Networking**" conducted by IIT, Bombay from 28th May to 5th July 2014.
22. Organized Two-week ISTE Workshop on "**Cyber Security**" conducted by IIT, Bombay from 10th to 20th July 2014.
23. Organized a One day Workshop on "**Big Data Technologies**" conducted by Department of Information Technology, AITS, Rajampet on 24th August 2014.
24. Organized one day workshop on "**Cloud Computing**" conducted by Department of Information Technology, AITS, Rajampet on 29th January 2013.
25. Acted as coordinator of CIT (Certification in Information Technology) Programme organized by IIIT, Hyderabad.

Workshops Attended:

1. Participated in AICTE Recognized Short Term Course on" Artificial Intelligence &Optimization through ICT" organized by Department of Electrical and Electronics Engineering, Annamacharya Institute of Technology and Sciences, Rajampet in collaboration with National Institute of Technical Teachers Training and Research, Chandigarh from 21st January 2019 to 25th January 2019.
2. Participated in a two-week training programme on "**Pedagogy for Online and Blended Teaching-Learning Process - autumn 2018**" from 30th October to 13th December 2018.
3. Participated in a two-week training programme on "**Foundation Program in ICT for Education - autumn 2018**" from 13th September to 18th October 2018.
4. Participated in a two-week training programme on "**Pedagogy for Online and Blended Teaching-Learning Process**" (Re-run of FDP201x offered in 2017) from 3rd May to 30th May 2018.
5. Participated in a two-week training programme on "**Foundation Program in ICT for Education Process**" (Re-run of FDP101x offered in 2017) from 8th March to 12th April 2018.
6. Participated in a Two-day Weekend Training Programme Saptahaant Shikshak Prashikshan (SSP) on "**Introduction to Machine Learning**" from 16th December to 17th December 2017.
7. Participated in a two-week training programme on "**Pedagogy for Online and Blended Teaching-Learning Process**" from 14th September to 30th December 2017.
8. Participated in a two-week training programme on **"Foundation Program in ICT for Education**" from 3rd August to 10th November 2017.
9. Participated in the National workshop on" **Popularization of Remote Sensing based Maps and Geospatial Information**" organized by Indian Society of Remote Sensing and Indian Space Research Organization on the eve of National Remote Sensing Day on 11th August 2017
10. Participated in a four Week AICTE approved FDP by IIT Bombay on "**Use of ICT in Education for Online and Blended Learning** "from 2nd May to 10th July 2016.

11. Participated two day Faculty Training Programme on "**MATLAB, Simulink & Related Tool Boxes for Engineering Educatio**n on 30th January 2016 to 31st January 2016 organized by Annamacharya Institute of Technology and Sciences, Rajampet in collaboration with Capricot Technologies Pvt.Ltd.

12. Participated in Faculty Development Programme on "**Implementation of Quality Circles in Education Institutions**", held on 23rd January 2016 by Department of Mechanical Engineering, Annamacharya Institute of Technology and Sciences, Rajampet.

13. Participated in a Two-Week ISTE STTP on "**Technical Communication**" from 30th to 4th December 2015.

14. Participated in a Two-week ISTE STTP on "**Introduction to Design of Algorithms**" conducted by IIT, Kharagpur from 25th to 30th May 2015.

15. Participated in One day workshop on "**Awareness on various programs for Foreign University Collaborations**" conducted by JNTUA, Anantapur on 16th May 2015

16. Participated in One day workshop on "**Innovations in Technology**" conducted by ITE & C Dept.,Govt. of AP and JNTUA, Anantapur on 9th December 2015.

17. Participated in a Two-week Short Term Training Programme on "**Pedagogy for Effective use of ICT in Engineering Education**" conducted by IIT, Bombay from 5th to 31st January 2015.

18. Attended one day workshop on "**Big Data Technologies**" organized by AITS, Rajampet on 24th August 2014.

19. Participated in a Two-week ISTE Workshop on "**Cyber Security**" conducted by IIT, Bombay from 10th to 20th July 2014.

20. Participated in a Two-week ISTE Workshop on "**Computer Networking**" conducted by IIT, Bombay from 28th May to 5th July 2014.

21. Participated in a Two-week ISTE Workshop on "**Computer Programming**" conducted by IIT, Bombay from 21st April to 26th April 2014.

22. Attended one day workshop on "**NPTEL Online Certification Courses**" conducted by IIT, Madras on 25th February 2014.

23. Attended one day Phase-I workshop on "**Training Resource Persons on Outcome Based Accreditation**" on 3rd February 2014 at JNTUACE, Pulivendula.

24. Attended 3 day Phase-II workshop on "**Training of Evaluators / Resource persons on Outcome based Accreditation**" from 1st to 3rd July 2013 at JNTUA, Anantapur.

25. Attended one day workshop on "**Cloud Computing**" organized by AITS, Rajampet on 29th January 2013.

26. Attended one day workshop on "**AICTE Approval Process for the Academic year 2012-13**" on 28th October, 2011 at Hyderabad.

27. Attended a two week AICTE sponsored staff development programme on "**Pattern Recognition for Medicine: A Knowledge Engineering Approach**" at K.S .Rangasamy college of Technology, Tiruchengode from 20th June 2011 to 1st July 2011.

28. Attended a one week AICTE sponsored staff development programme on "**Latest trends in Image Processing**" at Hindusthan College of Engineering and Technology, Coimbatore held during 6th June 2011 to 11th June 2011.

29. Attended a National workshop on "**Virtual Labs**" at IIIT, Hyderabad on 25th Feb 2011.

30. Attended "**R&D showcase**" at IIIT, Hyderabad held on 26th & 27th Feb 2011.

31. Attended a National workshop on "**Middleware Technologies, Data Warehousing & Data Mining Techniques**" at CBIT, Proddatur on 26th to 27th Feb. 2010.

32. Attended National workshop on "**Emerging trends in Image Processing**" at Sri Ram Engineering College, Chennai on 18th July 2010.

33. Participated in AICTE Sponsored six-day SDP on "**Artificial Intelligence in Power Systems**" Annamacharya Institute of Technology &Sciences Rajampet, Kadapa Dt during 3rd to 8th March 2010.

34. Participated in "**IEG/JKC FP Restructuring session**" at Annamacharya Institute of Technology &Sciences Rajampet, Kadapa Dt on 31st July 2009**.**

35. Attended "**Microsoft & IEG/JKC through MANA TV**" at Annamacharya Institute Of Technology &Sciences Rajampet, Kadapa Dt on 20th Feb 2009**.**
36. Attended a Two-week refresher course on "**OOAD through UML**", sponsored by AICTE, New Delhi at Annamacharya Institute of Technology &Sciences Rajampet**.**
37. Attended a Two-Day Refresher course on **"Digital Image processing"** on 7th and 8th January 2006 by AICTE, New Delhi at Sree Sarathi Institute of Technolgy and Sciences, Nuzivedu.

Technical /Cultural Events Conducted:

1. **Convener** for National Level Technical Student Symposium, **ATM-2K21,** from 25th Oct to 30th Oct. organized by AITS, Rajampet through online.
2. Convener for 'World Space Week-2019 celebrations' from 4th to 6th October, 2019 by ISRO, SHAR, Srihari Kota.
3. **Convener** for National Level Technical and Cultural Fest, **ATM-2K19**, from 14th to 16th February, 2019 organized by AITS, Rajampet.
4. **Convener** for National Level Technical and Cultural Fest '**MAHOTSAV**' from 7th to 9th February of 2018 organized by AITS, Rajampet.
5. **Convener** for National Level Technical Symposium, **ATM-2K17**, organized by AITS, Rajampet.
6. **Convener** for National Level Cultural Fest '**KERINTHA-17**" from 6th January to 8th January 2017 organized by AITS, Rajampet.
7. **Coordinator** of National Level Technical Symposium, **ATM-2K16** , from 29th February to 3rd March, 2016 organized by AITS, Rajampet.
8. **Convener** for National Level Cultural Fest '**KERINTHA-16**" from 10th January to 12th January 2016 organized by AITS, Rajampet.
9. **Organizing Chairman** for the one day workshop on "**Big Data Technologies**" held on 24th August 2014 at AITS, Rajampet.
10. **Convener** for National Level Cultural Fest "**SANKEERTHANA-14**" on 17th & 18th of April 2014 organized by AITS, Rajampet.
11. **Convener** for "**National conference on Advanced Computing (NCAC-2013)**" held on 7th & 8th December 2013 at AITS, Rajampet.
12. **Publicity Chair** for the 15th IEEE "**International Conference on Advanced Computing Technologies (ICACT)**" Organizing by AITS, Rajampet on 21st and 22nd of September, 2013.
13. **Coordinator** of National Level Technical Symposium, **ATM-2K13** on 8th and 9th March 2013 organized by AITS, Rajampet.
14. **Organizing Chairman** for the one day workshop on "**Cloud Computing"** held on 29th January 2013 at AITS, Rajampet.
15. **Convener** for National Level Cultural Fest "**SANKEERTHANA-13**" on 4th & 5th of January 2013 organized by AITS, Rajampet.
16. **Convener** for "**National conference on Networking and Information Technology (N^{2}IT-12)**" held on 12-13 October, 2012 at AITS, Rajampet.
17. **Coordinator** of National Level Technical Symposium , **ATM-2K12**, on 3th and 4th February 2012 organized by AITS, Rajampet
18. **Coordinator** of National Level Technical Symposium, **ATM-2K11**, on 5th and 6th February 2011 organized by AITS, Rajampet.
19. **Coordinator** of National Level Technical Symposium, **ATM-2K10**, and Decennial celebrations of IT on 26th and 27th , February 2010 organized by AITS, Rajampet
20. **Coordinator** of National Level Technical Symposium, **ATM-2K9**, on 26th and 27th, February 2009 organized by AITS, Rajampet.
21. **Co-Coordinator** of National Level Technical Symposium, **ATM-2K8**, on 26th and 27th, February 2009 organized by AITS, Rajampet.

Webinars Attended:

1. Participated in the webinar "**Dr. A.P.J.Abdul Kalam Memorial Global webinar Impact of COVID-19 on the development of Rural Economy-Challenges and Opportunities**" on 27th July 2020 organized by JNTUA, Ananthapuramu with the inspiration of Lead India Foundation.
2. Participated in National Level one week Faculty Development Programme on "**Artificial Intelligence Applications through Machine Learning**" from 14th July to 18th July 2020 organized by Department of CSE, Balaji Institute of Technology and Science, Narsampet, Warangal.
3. Participated a "**National Level Quiz on Machine Learning**" on 4th July 2020 organized by Department of CSE, Vikas College of Engineering and Technology, Vijayawada.
4. Participated an "**International Quiz on COVID-19 Pandemic General Awareness Quiz**" on 4th July 2020 organized by Annamacharya College of Pharmacy, Rajampet under IQAC.
5. Participated in one day webinar on" An Overview of Research Impact Metrics" on 25th June 2020 organized by Department of H&S, Annamacharya Institute of Technology and Sciences, Rajampet.
6. Participated in a National quiz on "**Datastructures**" on 22nd June 2020 organized by Department of CSE, Annamacharya Institute of Technology and Sciences, Rajampet.
7. Participated in a National quiz on "**Operating System**" on 22nd June 2020 organized by Department of IT, Panimalar Institute of Technology, Poonamallee, Chennai.
8. Participated in a National quiz on "**Computer Networks**" on 22nd June 2020 organized by Department of IT, Panimalar Institute of Technology, Poonamallee, Chennai.
9. Participated in a National quiz on "**Database Management Systems**" on 22nd June 2020 organized by Department of IT, Panimalar Institute of Technology, Poonamallee, Chennai.
10. Participated in a National quiz on "**Software Testing**" on 22nd June 2020 organized by Department of IT, Panimalar Institute of Technology, Poonamallee, Chennai.
11. Participated in a National quiz on "**Web Technologies**" on 22nd June 2020 organized by Department of IT, Panimalar Institute of Technology, Poonamallee, Chennai.
12. Participated in a webinar on "**Perspectives on Differences between Problem Solving Approaches: Academia vs. Industry**" on 22nd June 2020 organized by Swarnandhra College of Engineering and Technology, Narasapur, E.G, Andhra Pradesh.
13. Participated in National quiz on "**Role of ICT in Education**" on 21st June 2020 organized IQAC, Bharat Institute of Engineering and Technology, Hyderabad, Telangana.
14. Participated in one day training programme on "**Awareness Programme on National Assessment Accreditation Council (NAAC)**" on 20th June 2020 organized IQAC, Bharat Institute of Engineering and Technology, Hyderabad, Telangana.
15. Participated in one day training programme on "**Awareness Programme on National Board of Accreditation (NBA)**" on 20th June 2020 organized by Department of CSE, Bharat Institute of Engineering and Technology, Hyderabad, Telangana under ISTE, CSI & ACM Professional chapters.
16. Participated an "**International Quiz on e-Learning**" on 20th June 2020 organized by Department of CSE, Bharat Institute of Engineering and Technology, Hyderabad, Telangana under IQAC.
17. Participated in one day training programme on "**Interdisciplinary Research and its importance**" on 12th June 2020 organized by Audisankara Group of Institutions, Gudur.
18. Participated in six days Faculty Development Programmeon on "**Course Strutting, Teaching and Evaluation in HEI as per OBE**" in association with ISTE and MHRD Institutions Innovation Council from 11th June to 17th June 2020 organized by Malla Reddy College of Engineering, Secunderbad, Telangana.

19. Participated in fine days online Faculty Development Programmeon on "**Machine Learning and Artificial Intelligence in Data Science**" from 8th June to 12th June 2020 organized by Department of CSE, Jaypee Institute of Information Technology, Noida.
20. Participated in three day workshop on "**NAAC Assessment and Accreditation: A Step by step Process**" from 28th May to 30th May 2020 organized by GATES Institute of Technology, Ananthapuramu.
21. Participated in three day online FDP on "**Ethical Hacking and Penetration Testing**" from 28th May to 30th May 2020 organized by Department of MCA, Sir M. Visvesvaraya Institute of Technology, Bengaluru, Karnataka.
22. Participated in five day online Training programme on "**Impact of Internet of Things on Society**" from 25th May to 29th May 2020 organized by Department of CSE, Annamacharya Institute of Technology and Sciences, Rajampet.
23. Participated in one week Faculty Development Programme on "**Advances in Python, Python for Data Science and Cyber Security**" in association with IIT, Bombay from 21st May to 27th May 2020 organized by Department of CSE, Chadalawada Ramanamma Engineering College, Tirupathi.
24. Participated in five days Faculty Development Programmeon on "**Python Programming** " in association with spoken tutorial IIT Bombay & MHRD Govt. of India from 18th May to 22nd May 2020 organized by Department of IT, Sona College of Technology, Salem.
25. Participated in one Week Faculty Development Programmeon on "**ICT Tools**" in association with STP-IIT Bombay from 11th May to 16th May 2020 organized by Department of IT, Sri Vidyanikethan Engineering College, Tirupathi.
26. Participated in five day online Faculty Development Training programme on "**Cryptography and Network Security**" from 11th May to 15th May 2020 organized by Department of CSE, Panimalar Institute of Technology, Poonamallee, Chennai.
27. Participated a national Quiz on **"COVID-19 General Awareness Quiz**" on 10th May 2020 organized by Vaagdevi College of Engineering, Hyderbad, Telangana.
28. Participated in one day Programme on "**India First Leadership Talk**" organized by MHRD Institutions Innovation Council on 9th May 2020.
29. Participated in one week online Faculty Development programme on "**Intellectual Property Rights**" from 5th May to 10th May 2020 organized by Sanjivani College of Pharmaceutical Education and Research, Kopargiaon.
30. Participated in three day online Faculty Development programme on "**Machine Learning and Artificial Intelligence**" from 4th May to 6th May 2020 organized by Department of CSE, Andhra Loyola Institute of Engineering and Technology, Vijayawada.
31. Participated in four day online course on "**Examination Reforms**" from 22th to 25th April 2020 organized by AICTE, New Delhi.
32. Participated one day webinar on "IPR **Awareness Programme**" on 20th April 2020 organized by V.V. Institute of Pharmaceutical Sciences, Gudlavalleru, Krishna Dist.

Professional Memberships:

1. ISTE	-	LM 61834
2. IACSIT	-	80337954
3. IAENG	-	114342
4. SDIWC	-	1005

Awards and Recognitions:

Awards:

1. Received 'Best Paper award' for paper "**2D HARR Wavelet Transformation for Image Compression**", presented at National Conference on Innovations in Engineering & Technology held at Gudlavelleru Engineering College on 27th & 28th

December 2013.
2. Received certificate of commitment for demonstrating commitment to promote safety against COVID-19 by World Health Organization (WHO).

Recognitions:

a) Guest Lectures:

1. Invited talk on DST-NIMAT Sponsored three day Entrepreneurship Awareness Camp (EAC) organized by Annamacharya College of Pharmacy, Rajampet on 28th-30th January, 2020.
2. Invited talk on DST-NIMAT Sponsored three day Entrepreneurship Awareness Camp (EAC) organized by Annamacharya College of Pharmacy, Rajampet on 28th-30th March, 2019.
3. **Guest Lecture** on "Formal Languages and Automata Theory" at Chadalawadra Ramanamma Engineering College on 28-09-2015.
4. **Guest Lecture** on "Compiler Design" at Siddarth Institute of Engineering & Technology on 28-09-2015.
5. **Guest Lecture** on "Neural Networks" at Sri Sai Institute of Technology and Science, Rayachoti on 27-08-2008.
6. **Guest Lecture** on "Neural Networks and Fuzzy Logic" at Sri Sai Institute of Technology and Science, Rayachoti on 12-04-2008.

b) Jury Member:

1. **Jury member** for the FESTIVITIES 2K12 organized by VITS, Proddatur on 17th March 2012.
2. **Jury member** for the SIDDHARTH QUEST – 2K12 organized by SIET, Puttur on 10th March 2012.
3. **Jury member** for the GMOCS2K13 organized by MITS, Madanapalle on 23rd February 2013.
4. **Jury membe**r for the INFOSTAV 2K10 organized by BIT, Kadapa.
5. **Jury member** for technical fest organized by AITS, Kadapa.

c) Editor/ Reviewer:

1. **Editorial Board Member** of International Journal of Recent Technology and Engineering.
2. **Editorial Board Member** of International Journal of Soft Computing and Engineering
3. **Editorial Board Member** of International Journal of Innovative Technology and Exploring Engineering
4. **Reviewer** of 3rd International Conference on Machine Learning and Computing held on February 26-28, 2011 at Singapore.

d) Academic Activities:

1. **Paper Setter and Evaluator** for Various Universities and autonomous Colleges like JNTUK, JNTUA, YVU, VCE, RGM and NBKR etc.
2. Acted as Observer for **GATE**, **EAMCET** and several government examinations.
3. **Board of Studies Chairman** for the department of Information Technology in Annamacharya Institute of Technology and Sciences (Autonomous).
4. **Member** for Academic Council for autonomous college, Annamacharya Institute of Technology and Sciences, Rajampet for three times.
5. **Member** in R&D Cell, Innovation and Incubation Centre, Admission, Grievance Redressal, Student Canceling and Library committees.
6. Monitoring AICTE, JNTUA and NIRF works every year.

7. As an administrator, active participation in preparation of files for NBA, NAAC and Autonomous.
8. Monitoring AITS cultural Association every year.
9. Worked as Head of the Department for Information Technology for 8 years.
10. Worked as Coordinator for Student Welfare for two years.
11. Have been working as Dean for Student Affairs since 2018.

Personal Information:

1. Name	:	M. Subba Rao	
2. Date of Birth	:	04-06-1979	
3. Father's Name	:	M. Narasimha Rao	
4. Mother's Name	:	M. Lakshmi Bayamma	
5. Aadhar Number	:	755405529164	
6. PAN Number	:	ALPPM0180M	
7. Highest qualification	:	M. Tech, Ph.D.	
8. Marital status	:	Married	
9. Nationality, Religion	:	Indian, Hindu	

10. Permanent Address   :   Chirrikurapadu (Vill & Post)
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11. Correspondence Address   :   C/o Pattabhi Naidu
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12. Languages Known   :   English, Telugu, and Hindi.

SUBBA RAO.MEDABALIMI