

Jagadeesh.Thati B.Tech., M.Tech., M.S., (PhD)

Associate Professor,

Department of ECE,

Tirumala Engineering College,

Jonalagadda, Narasaraopet, Guntur (D), A.P.

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CARRIER OBJECTIVE

Looking for a promising & challenging career which will enable me to provide best of my Technical, analytical & professional skills. A career which can sharpen my current skills and Knowledge and where I can have a good scope for learning and implementing new technologies.

WORK EXPERIENCE

- ❖ Worked as a dasa5 developer from 02/01/2009 - 26/02/2010 in Dasa Control systems AB Hamnerdalsvägen 3, SE-352 46 Vaxjö, Sweden , Phone +46 470 77 09 50, Fax +46 470 77 09 87, www.dasa.se.
- ❖ Worked as an Assistant Professor from 21/04/2010 to 10/05/2011 in Department of ECE, Nalanda Institute of Engineering & Technology, Sattenapalli, Guntur (D), A.P. 522438 (India).
- ❖ Working as an Associate. Professor from 11/5/2011 to till now in Department of ECE Tirumala Engineering College, Jonnalagadda, Narasaraopet, Guntur-Dist., A.P., India.
- ❖ Pursuing Ph.D under QIP at NIT Rourkela from 17/07/2018.

ACADEMIC RECORD

BLEKINGE TEKNISKA OF HOOGSKOLA [BTH, SWEDEN]

- ❖ Master of Science in Signal Processing, Blekinge Institute of Technology, Sweden 2010 70%.

Minor Projects:

1. Multidimensional Signal Processing, to enhance the quality of three images, one image of a canoe at a boat house which has been synthetically distorted one photo of the moon and finally an image distorted by some motion blur.
2. Analysis of an array of patch antennas
3. Comparative Study of CMA algorithm with the LMS algorithm to channel equalization
4. Digital Communications Creation of an OFDM symbol

Major Project: DSP Implementation of A-Control Algorithm for a Forwarder Crane

Project Advisor: Anders Hultgren, Brojan, Anders, Mikel Asman, Anders Nilsson

Company: Dasa Control Systems, Vaxjo, Sweden

Claint: Rottany, Vaxjo , Sweden

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD, INDIA.

- ❖ Master of technology in signal processing, JNTU college of Hyderabad, JNTUH, 2009, 68.95%.

Minor Project: Approximation and prediction With Feed Forward Neural Networks

Project Advisor: Dr. Mrs.Madhavi Latha M.Tech., Ph.D.

Major Project: DSP Implementation of A-Control Algorithm for a Forwarder Crane

Project Advisor: Dr.Mrs. Madhavi Latha M.Tech., Ph.D.,

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA, KAKINADA, INDIA.

- ❖ Bachelor of technology, Electronics and Communication Engineering, SCR Engineering College, 2007, 66%.

Major Project: Tollgate access using smartcard

Project Advisor: Dr. Lakshmi Narayana M.Tech., Ph.D.

KEY SKILLS

- DSP Tools – MATLAB
- Image Processing -- Enhancement, Smoothing, Sharping, Segmentation
Simulation using MATLAB
- DSP Processors -- Code Composer Studio
- Hardware Description Languages – VHDL / Verilog, Mentor Graphics
- Software Skills -- C
- Computer skills – MS-Office, MS-Excel
- Operating Systems – Windows XP, Vista, Windows7, Linux

NO. OF STUDENTS GUIDED FOR B.TECH

- Minor – 36 Batches Major – 26 Batches

NO. OF STUDENTS GUIDED FOR M.TECH

- 10 Batches

MEMBERSHIPS:

- ISTE : LM73602
- IETE : AM-232736

REVIEWER FOR JOURNALS

- IJERT
- IJSET
- IJEA

AREA OF RESEARCH INTERESTS

- Digital signal processing
- Neural Networks
- Digital Image processing
- Computer vision
- Nano Technology

ACADEMIC (ORGANIZATIONAL) INVOLVEMENTS

- Worked as **NBA and NAAC** Coordinator in Tirumala Engineering College, Narasaraopet, Andhra Pradesh.
- **Co-Convener** for Prayaga 2k15, Technical Symposium, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on 25th-26th March 2015.
- **Convener** for Prayaga 2k18, Technical Symposium, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on 8th -9th March 2018.
- **Convener** for Prayaga 2k18, Technical Symposium, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on 8th -9th March 2018.
- **Convener** for Prayaga 2k20, Technical Symposium, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on 3rd - 4th July 2020.
- **Convener** for Prayaga 2k20, Technical Symposium, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on 3rd - 4th July 2020.
- **Convener** for Online International Conference on Recent Innovations in Science, Engineering, Humanities and Management (SEHM-2020), organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on 25th & 26th September 2020.
- **Convener** for A Five Day Live online Short Term Course On Artificial Intelligence, Machine Learning and its Applications, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on May 29 - June 2, 2020.
- **Convener** for A Five Day Live online faculty development program on “Recent Trends in Communication and Signal Processing”, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on June 12 - June 16, 2020.
- **Convener** for A Five Day Live online faculty development program on “Artificial Intelligence and its Applications”, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on May 29 - June 2, 2021.

- **Convener** for A Five Day Live online Short Term Course On Research Trends and practical applications on Signal Processing and VLSI, organized by Tirumala Engineering College, Narasaraopet, Andhra Pradesh on June 18 - June 22, 2021.

EDUCATIONAL VISITS

- ❖ Space Application Center of ISRO, Ahmadabad (Gujarat).
- ❖ SARC, Srihari kota.
- ❖ Volvo, Gothenburg, Sweden.
- ❖ KTH Royal institute of technology, Sweden.
- ❖ Telecom city, karlskrona, Sweden.
- ❖ Rotanny heavy vehicle developer vaxjo.

ADDITIONAL ACHIEVEMENTS

- ❖ Ratified as an Assistant Professor in JNTU Kakinada.
- ❖ Received best Teacher award from Tirumala Engineering College in 2013.
- ❖ Society for Technical Communication.
- ❖ Member in IOB (Indian organization BTH).
- ❖ Received best Teacher award from Tirumala Engineering College in 2020.

PUBLICATIONS (INTERNATIONAL & NATIONAL)

- [1]. **Jagadeesh Thati**, Fazal Noorbasha, “Voice Activity Detection Using Feature Vectors”, e - Journal of Science & Technology (e-JST) *ε-Περιοδικό Επιστήμης & Τεχνολογίας*, (4), 6, 2011
- [2]. **Jagadeesh Thati**, Fazal Noorbasha, “Crane Forwarder-control Algorithm for Automatic Extension of Prismatic Link”, e-Journal of Science & Technology, Greek. (Communication) , ISSN 17905613 , (2), 6, 2011
- [3]. **Jagadeesh Thati**, T.B.Prasadh Reddy and V.Venkata Rao “Speech Recognition Using Hybrid Algorithm”, International Journal of Advances in Science and Technology, Vol. 3, No.2, 2011
- [4]. **Jagadeesh Thati**, Y. V. Narayana, Talluri.bharathi, “Forwarding Measured Data Using Zigbee”, e-Journal of Science & Technology, Greek. (Communication), (2), 7, 2012
- [5] **Jagadeesh Thati**, Fazal Noorbasha, Syam babu Vadlamudi “Road Recognition for Vision Navigation of Robot by Using Computer Vision”, International Journal on Computer Science and Engineering (IJCSE), ISSN : 0975-3397, Vol. 3 No. 7 July 2011
- [6] **Jagadeesh Thati**, Bindu Madhavi Gasi, “Demonstration of adaptive algorithms Using MATLAB” IRACST – Engineering Science and Technology: An International Journal (ESTIJ), Vol. 1, No.1, and December 2011.

- [7] Radhika Chinaboina ¹, **Jagadeesh Thati** ², Y. V. Narayana ³, "Execution of Crane Forwarder-Control Algorithm for Automatic Expansion of Prismatic Link for DSP Processors" Sensors & Transducers Journal, (ISSN 1726- 5479), Vol. 141, No. 6, June 2012,.
- [8] Mrs B.Padmavathi¹, Mr Addanki srinu², **Jagadeesh Thati**³, Dr. V Venkata Rao ⁴, "Investigation of Iterative Decoding for Turbo Codes Using highest A Posteriori ". INTERNATIONAL JOURNAL OF ADVANCED AND INNOVATIVE RESEARCH (IJAIR), ISSN: 2278-7844
- [9] M. Venkata Subbarao, N.Sayed Khasim and Jagadeesh Thati, " Analysis of Non-Stationary Power Quality Signals", *Elixir Elec. Engg.* 53 (2012) 11815-11818.
- [10] Y.V.Narayana and **Jagadeesh Thati**, " Invention of segment beams from arrays of wire antennas", *Elixir Elec. Engg.* 53 (2012) 11868-11872.
- [11] M. Venkata Subbarao, Sayedu Khasim Noorbasha, **Jagadeesh Thati**, " A Novel Technique for Automatic Modulation Classification and Time-Frequency Analysis of Digitally Modulated Signals", e-Περιοδικό Επιζηήμης & Τεχνολογίας *e-Journal of Science & Technology (e-JST)*, (5), 7, 2012
- [12] Mrs.B.Padmavathi, Mr.Addanki srinu, **Mr.Jagadeesh Thati**, Dr.V.Venkata Rao, " Investigation of Iterative Decoding for Turbo Codes Using highest A Posteriori Algorithm", 2012 IJAIR. ALL, ISSN: 2278-7844.
- [13] Ch. Eswara Kumar, I.V.G Manohar, **Jagadeesh Thati**, " The Isolated Control of Transportable Robot Based on Embedded Technology" 2012 IJAIR. ALL, ISSN: 2278-7844.
- [14] Pavan Kishore V, L Srinivas Rao, Ch.Eswara Kumar, Jagadeesh Thati, " Intend of Vehicle positioning System Based on ARM" 2012 IJAIR. ALL, ISSN: 2278-7844.
- [15] M.Venkata Subbarao, N.Sayed Khasim, **Jagadeesh Thati**, " Hybrid Image Compression using DWT and Neural Networks", *International Journal of Advanced Science and Technology* ISSN: 2005-4238 Publisher: SERSC (Science & Engineering Research Support society)
- [16] M.Venkata Subbarao, N.Sayed Khasim, **Jagadeesh Thati** and M.H.H.Sastry, " Non-Stationary Power Quality Signals Classification using Fuzzy C-means Algorithm", *International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)* Volume 2, Issue 2, February 2013, ISSN: 2278 – 1323.
- [17] N.Sayed Khasim, M.Venkata Subbarao, **Jagadeesh Thati** and M.H.H.Sastry, "A Novel Technique for Time-Frequency Analysis of Digitally Modulated Signals", has been accepted for publication in the *International Journal of Signal Processing, Image Processing and Pattern Recognition (IJSIP)*, Volume 6, Issue 2, JUNE 2013.
- [18]. Ch.PapaRao, P.Sumithabhashini, P.Chandra Sekhar Reddy and **Jagadeesh Thati**, " Optimum Bit Error Rate for Linear Multiuser Detection in Wireless Communications", **Elixir Elec. Engg.** 95 (2016) 41341-41350 ISSN:2229-712X.
- [19] Alluri Srinivasrao , **Jagadeesh Thati** and Dr.M.Mahesh, " Verilog Implementation of Novel Error Tolerant Adders for High Speed Arithmetic", **Elixir Elec. Engg.** 95 (2016) 41355-41359, ISSN:2229-712X.

- [20] M.H.H.Sastry, **Jagadeesh Thati** and Alluri Srinivasa Rao,” Digital Media Based Spread Spectrum Hidden Data”, **Elixir Elec. Engg. 97 (2016) 41829-41832 41829**, ISSN:2229-712X.
- [21] M.H.H.Sastry, **Jagadeesh Thati** and Alluri Srinivasa Rao,” Energy Based Spectrum Sensing in Cognitive Radio Networks”, **Elixir Elec. Engg. 97 (2016) 41833-41838**, ISSN:2229-712X.
- [22] Jagadeesh T. and Ari, S., “Extraction of glacial lakes in the Himalayan region using landsat imagery”, New Paradigms in Computational Modeling and Its Applications, Elsevier, Academic Press, 2021, Pages 241-254, ISBN 9780128221334, <https://doi.org/10.1016/B978-0-12-822133-4.00004-9>. (SCI)
- [23] GBSR Naidu, Jagadeesh Thati, Saunak Samantray, “HSIC: High Spectral Image Classification using Deep Learning Technique”, Test Engineering and Management, Vol. 83, pp. 18925 -18931, April 2020. (ISSN: 0193-4120) (Scopus Indexed)

CONFERENCE / SYMPOSIUM PROCEEDINGS (International & National)

- [1]. **Jagadeesh Thati**, S. Bhanu Sravanthi and Y.V. Narayana,”Optimized Compression Techniques for Telemedicine Therapeutic Images”, “**International Conference on Advanced Communication Control and Computing Technologies - ICACCCT' 16**” on 25-27 May, 2016”, paper published in IEEE.
- [2]. **Jagadeesh Thati**, Naga praveen, “Crane Forwarder-control Algorithm for Automatic Extension of Prismatic Link”, Proceedings of the International conference on International conference on Robotics and Automation, Pasadora, C.A, USA,
- [3]. **Jagadeesh Thati**, Naga Praveen Parchuru, and Yasir Masood Malik “Using Ls Algorithm to Estimate CIR for OFDM system over multiple access systems”, Proceedings of the International Conference on 2005 Asia-Pacific Conference on Communications.

BOOKS EDITED/PUBLISHED

- [1] **DSP Implementation of A-Control for A forwarder Crane Algorithm**. Converting MATLAB code to DSP code for a forwarder by Jagadeesh Thati and Naga Praveen Parchuru (11 Jun 2012) in Lap Lambert Academic publications. ISBN 3659148148 and EAN- 9783659148149.
- [2] **Digital Image Processing** by Jagadeesh thati and shajahan Patan in S.K.Publications.

SEMINARS/WORKSHOPS ATTENDED

- JUNE 2016: Attended a Five day Workshop on “**Cadence, Synopsys and Mentor Graphics**” held on 16th and 20th June 2016 at **at BITS Pilani – K.K Birla Goa Campus**.
- JUNE 2015: Attended a two day faculty development program on “**Modelling and Simulation (MATLAB & SIMULINK)**” held on 26th and 27st June 2015 at Tirumala Engineering College, Narasaraopet.

- JUNE 2015: Attended one week short term course on “**EDA Tools and Design Methodologies in VLSI & Communication Systems (ETVCS-2015)**” from 12th to 16th June at National Institute of Technology, Hamirpur, Himachal Pradesh.
- AUG 2012: Attended the complimentary seminar on “**MATLAB and SIMULINK** for Engineering Education” conducted at Hyderabad on 31st Aug 2012.
- JUNE 2021: participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "GIS & REMOTE SENSING AND ITS APPLICATIONS" from 2021-6-7 to 2021-6-11 at PUNJAB REMOTE SENSING CENTRE.

SEMINARS/WORKSHOPS/GUEST LECTURES ORGANIZED

- June 2016: A Two day Faculty Development program on “**ASIC Design Flow Using Mentor Graphics**” from 21st to 22nd June 2016 at Tirumala Engineering College, Narasaraopet.
- JAN 2016: A Guest lecture on “**Bio-Medical Engineering**” on 5th January 2016 at Tirumala engineering College, Narasaraopet.
- SEP 2015: A Three day workshop on “**Embedded Systems Designing**” from 25th to 27th September 2015 at Tirumala Engineering College, Narasaraopet.
- AUG 2015: Two day workshop on “**Android and Application Development**” on 1st and 2nd August 2015 at Tirumala Engineering College, Narasaraopet.
- JUNE 2014: Two day workshop on “**PCB Design of Electronic Circuits**” on 27th and 28th June 2014 at Tirumala Engineering College, Narasaraopet.
- MARCH 2014: Two day workshop on “**Accelerobotics**” on 18th and 19th March 2014 at Tirumala Engineering College, Narasaraopet.
- JULY 2013: A Guest Lecture on “**Nano Technology**” on 23rd July 2013 at Tirumala Engineering College, Narasaraopet.
- JULY 2013: A Guest Lecture on “**Automatic Speaker Recognition: Theory and Demo**” on 4th July 2013 at Tirumala Engineering College, Narasaraopet.

PERSONAL DETAILS

NAME	: JAGADEESH .THATI
FATHER’S NAME	: SESHAGIRI RAO .THATI
GENDER	: Male
MARITAL STATUS	: Married
DATE OF BIRTH	: 15 th of august 1986
NATIONALITY	: Indian

REFERENCES

Dr. Madhavi Latha Head, Dept. of Electronics and communications, Jawaharlal Nehru technological university, Hyderabad, India

Dr. Michel Asman- Head, Dept. of Electrical and electronics, BTH, Sweden

Dr. Anders Hultzgren- Head, Dept of Bachelors, BTH, Sweden

Brojan - Chief Engineer., Dasa Control systems, Vaxjo, Sweden

DECLARATION

I consider myself familiar with Electronics & Communication Engineering aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

Date: -

Place: -

Jagadeesh Thati