Curriculum Vitae

Dr K. Punnam Chandar
Quarter No. T1
Professors Quarters
University College of Engineering
Kakatiya University
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Educational Qualification:

Doctor of Philosophy	Jawaharlal Nehru Technological University, Hyderabad.
Master of Technology (Systems and Signal Processing)	Jawaharlal Nehru Technological University, Hyderabad, 2007-2009, Secured **79%**.
Bachelor Of Technology (Electronics and Communication Engg.)	Ramappa Engineering College (Affiliated to JNTU) 2000-2004, Secured **68.19%**.
Board Of Intermediate Education	State Board of Intermediate Education A.P 1998-2000, Secured **77.4%**.
Secondary School Certificate	Board of Secondary School Education A.P 1997-1998, Secured **81.33%**.

SKILL SET:

- Operating Systems: Windows, Ubuntu.

- Computation Tools : MATLAB, Image Processing Tool Box.

AREAS OF INTEREST

- Image Segmentation

- 3D Image Reconstruction

- Evolutionary Computation

Experience

- Worked as Lecturer in Kakatiya Institute of Technology and Science for a period of 2 years and 6 months in the department of ECE.

- Pursued Internship in Honeywell Hyd from September 2008 till July 2009.

- From 05-05-2010 working as Assistant Professor in the Dept. of ECE, University College of Engineering, Bhadradri Kothagudem, Kakatiya University.
- Total Teaching Experience as on date: **17 years.**

Membership In Professional Bodies

- AMIETE (Life Member)

- MIEEE (2012-2014) and IEEE KUCE Student Branch Counselor.

- MIE (Life Member)

Posts Held after Appointment

Designation	Department	From	To
Officer-In-Charge	Library	31-01-2011	March-2016
Officer-In-Charge	E.C.E	27-12-2011	March-2016
Member	BOS	26-03-2013	**Till Date**
Member	DC	23-11-2015	23-11-2016
Co-ordinagtor M&E	TEQIP -II	05-09-2014	March-2016
Officer-In-Charge	Examination Branch	19-03-2019	**Till Date**
Joint Director Boys Hostel	Boys Hostel	06-01-2021	**Till Date**

Orientaion Course/Refresher Course/FDP/CEP/Training

- Participated in one month orientation course in ASC, University of Hyderabad.

- Participated in 3 week Refresher Course in Guru Nanak Engineering College, Bidar, Karnataka.

- Participated in Two days Training in Image Processing at Mathworks,

Bangalore.

- Participated in One Week QIP on fundamentals of Digital Image and Video Processing with 3D applications.
- Participated in One Week FDP on Computational Research Techniques using Matlab at NIT Warangal.
- Participated in One Week FDP on Advanced Embedded System Design on Zynq Ultra Scale+ using Vivardo.
- Participated in Awareness Workshop on Outcome based Education and Accreditation organized at JNTU Hyderabad.
- Participated in Machine Learning and Soft Computing Organized by Electronics & ICT Academy, NIT Warangal.
- Participated in Two Day Workshop on IOT using MSP430 F5529 ULP MCU.

Professional Events Organized

- Organized two days workshop on Robo-Vision.
- Organized one day seminar on Applications of Embedded Systems.
- Organized industrial visits to KTPS Palvancha, ITC Bhadrachalam, Heavy Water Plant Manuguru.
- Organized Quiz event (Technical and General)
  Link: https://sites.google.com/site/ieeekucesbcom/ieee-events

Foriegn Visit

- Visited Dubai and Malaysia to present conference papers.

Patents
- Filed Patent titled "Depth Estimation of Non-rigid Shapes based on *Fibonacci Population Degeneration Particle Swarm Optimization*" at chennai Office. **[201841000498]**[**Filed**]

- An Electronic Food Ordering Device with IOT Connectivity and Method Thereof. [**202141060579**] [**Filed**]

UG and PG Projects

- Two PG projects were completed under my supervision in KITS, warangal.

- Ten UG Projects were Completed under my supervision in UCE, KU, Bhadradri Kothagudem.

Personal Profile:

A very cool person by nature believing the adage " ***duty is beautiful***" a flair for making friends and socializing and a zeal for getting things done.

- Strengths : Confidence, Positive Attitude, Commitment and Discipline.
- Hobbies : Reading Books, Listening to music and playing Indoor games
- Languages Known : English, Hindi and Telugu.
- Date of Birth : 31/10/1982.
- Nationality : Indian.
- Marital Status : Married.
- Full Name : Kothapelli Punnam Chandar.
- Father's Name : K.Sambaiah (Late).
- Mother Name : K. Vijaya Laxmi.

List of Publications

In International Journals

1. **K. Punnam Chadar**, T.Satya Savithri and B. Swarnalatha(In Press). "Automatic Segmentation of Multi-Class Images with Nonlinear Least Squares Model." International Journal of Biomedical Engineering and Technology.
(**Emerging Sources Citation Index**)

2. **K. Punnam Chandar**, and T. Satya Savithri. "Review: Recent Structure-From-Motion Algorithms 3D Shape Reconstruction." *International Journal of Computer Science and Network Security (IJCSNS)* 16.4 (2016): 107.
(**Emerging Sources Citation Index**)

3. **K Punnam Chandar,** Tirumala Satyasavithri. *"3D Face Shape Estimation from Single Face Image using Modified Differential Evolution Algorithm"*. International Journal of Information Processing (IJIP) 10:1 (March 2016):67-76. (**Google Scholar Indexed**)

4. **K. Punnam Chandar**, Tirumala Satya Savithri. "Depth Estimation using Hybrid Optimization algorithm". Journal of Computational Information Systems 11:19 (2015), 7103-7112. (**Scopus Indexed**)

In International Conferences

1. **K. Punnam Chandar**, Satya Savithri T. (2019) Depth Estimation of Non-rigid Shapes Based on Fibonacci Population Degeneration Particle Swarm Optimization. In: Behera H., Nayak J., Naik B., Abraham A. (eds) Computational Intelligence in Data Mining. Advances in Intelligent Systems and Computing, vol 711. Springer, Singapore

2. **K. Punnam Chadar**, and Tirumala Satya Savithri. "Segmentation and 3D Visualization of Pelvic Bone from CT Scan Images".6th IEEE International Advance Computing Conference (IACC), Feb- 2016, IEEE.

3. **K. Punnam Chandar**, and T. Satya Savithri. "3D Face Model Estimation based on Similarity Transform using Differential Evolution Optimization." *Procedia Computer Science* 54 (2015): 621-630.

4. **K. Punnam Chandar**, and T. Satya Savithri. "Depth Estimation from Single Face Image using Modified Differential Evolution." The 18th International Conference on Circuits, Systems, Communications and Computers (CSCC 2015), July 16-20, 2015, INASE.

5. **K. Punnam Chandar**, and T. Satya Savithri. "Face Depth Estimation Using Differential Evolution and Iterative Soft Thresholding Algorithm." The 18th International Conference on Circuits, Systems, Communications and Computers (CSCC 2015), July 16-20, 2015, INASE.

6. **K. Punnam Chandar,** and Tirumala Satya Savithri. "3D Structure Estimation Using Evolutionary Algorithms Based on Similarity Transform." In *Modelling Symposium (AMS), 2014 8th Asia, pp. 134-140. IEEE, 2014.*

7. **K. Punnam Chandar**, & Satya Savithri, T. (2014, December). DT-CWT sub-band partitioning for face recognition. In *Industrial and Information Systems (ICIIS), 2014 9th International Conference on* (pp. 1-5). IEEE.

8. B. Narsimha, E. Hari Krishna, **K. Punnam Chandar**, E. Suresh, "Denoising and QRS Detection of ECG Signals using Empirical Mode Detection," *in Proc. Int. Conf. on Communication and Signal Processing, ICCSP 2011.*

9. Reddy, M. Sanjeeva, **K. Punnam Chandar**, and K. Subba Rao. "Complex wavelet transform driven de-noising method for an EOG signals." *2011 Annual IEEE India Conference.* IEEE , 2011.

10. **K. Punnam Chandar** , Satyasavithri, T., Kumar, M. M., & Kumar, M. R. (2011, November). Suitability of Complex Wavelets towards Face Recognition. In *Image Information Processing (ICIIP), 2011 International Conference on* (pp. 1-5). IEEE.

11. **K.Punnam Chandar,** M. Mahesh Chandra, M. Raman Kumar, B. Swarnalatha, **"**Single Scale Decomposition and Improving Contrast of Color Images using SVD," *in Proc. Int. Conf. on Information and Computer Applications , pp. 219-224, ICICA 2011.*

12. **K. Punnam Chandar,** M. Mahesh Chandra, M. Raman Kumar, and B. Swarnalatha. "Preprocessing using SVD towards illumination invariant face recognition." In *Recent Advances in Intelligent Computational Systems (RAICS), 2011 IEEE*, pp. 051-056. IEEE, 2011.

13. **K. Punnam Chandar**, A.Shanker, "Face Recognition using Dual Tree Complex Wavelets and PCA," *in Proc. Int. Conf. on Technology and Management , pp.109-112, ICTM 2011.*

14. **K. Punnam Chandar**, Dr.T. Satyasavithri, B.Narasimha, E. Hari Krishna "Enhancement of Color Images by scaling HOT Coefficients," *in Proc. 5th Int. Conf. on Industrial and information systems ,ICIIS 2010.*

15. B. Narsimha, E. Suresh, **K. Punnam Chandar** , B. Komuraiah, "Enhancement of Color Images in HOT Domain with Quantitative Measurements using Entropy and Relative Entropy**,"** *in Proc. Int. Conf. on Signal and Image Processing , ICSIP 2010.*

In National Conferences

1. M. Mahesh Chandra, M. Raman Kumar, **K. Punnam Chandar**, G. Ragotham Reddy, "Secure Face Recognition System by using Non Linear Kernel Model," *in Proc. Nat. Conf. on Recent Advancements in Communications & Electronics , pp.109-112, RACE 2011.*

ACKNOWLEDGEMENT: I hereby declare that all the statements made above are true, complete and correct to the best of my knowledge and belief.

Place: Bhadradri Kothagudem.

Date: **02/02/22**.   **Dr. Kothapelli Punnam Chandar**