V S S K R NAGANJANEYULU G

M.E., Signal Processing , IISc
B.E., ECE, AUCE

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WORK EXPERIENCE

- **Assistant Professor (Regular) in Department of ECE, RGUKT Basar from March 2016-till date.**
- **Assistant Professor (Contract) in Department of ECE, RGUKT Nuzvid from Sep 2011- Mar 2016.**
- **Senior research associate in KPIT Cummins Infosystems Ltd, Pune – Hinjawadi from 19th July 10 – 13th Sept 11**

ACADEMIC QUALIFICATIONS

Degree/Exam	University/Board	Year	Specialization	% of marks
Ph.D. (On going)	NIT Karnataka	___	Signal Processing	
M.E	Indian Institute of Science (IISc), Bangalore.	2010	Signal Processing	CGPA: **5.5/8.0**
B.E	Andhra University College of Engineering, Visakhapatnam	2008	ECE	**80.77**
Intermediate	Board of Intermediate, Andhra Pradesh	2004	MPC	**93.6**
SSC	SSC	2002		**89.33**
Visaradha (Hindi)	D.B.H.P.Sabha, Chennai	20013		61

PUBLICATIONS

[1]. G V S S K R Naganjaneyulu and K V S Hari, "Study Of Acoustic Source Localization Algorithm For Planar arrays" Proceedings of IEEE International Conference, TENCON2010, Fukuoka, Japan, November 2010.

[2]. G V S S K R Naganjaneyulu, A.V.Narasinmhadhan, K. Venkateseh ""Performance evaluation of OCR on poor resolution text document images using different pre processing steps" " Proceedings of IEEE International Conference, TENCON2010, Fukuoka, Japan, November 2010.

[3]. Basheeruddin Shah Shaik, G.V.S.S.K.R. Naganjaneyulu, T. Chandrasheker, A.V. Narasimhadhan, "A Method for QRS Delineation Based on STFT Using Adaptive Threshold", 2015, Procedia Computer Science, Volume 54, ,Pages 646-653,ISSN 1877-0509,

[4]. B. S. Shaik, G. V. S. S. K. R. Naganjaneyulu and A. V. Narasimhadhan, "A novel approach for QRS delineation in ECG signal based on chirplet transform," *2015 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)*, 2015, pp. 1-5, doi: 10.1109/CONECCT.2015.7383914.

[5]. G. V. S. S. K. R. Naganjaneyulu, C. S. Krishna and A. V. Narasimhadhan, "A Novel Method for Logo Detection Based on Curvelet Transform Using GLCM Features", *Proceedings of 2nd International Conference on Computer Vision & Image Processing*, pp. 1-12, 2018.

[6]. G. V. S. S. K. R. Naganjaneyulu, M. V. Ramana and A. V. Narasimhadhan, "A novel method for pitch detection via instantaneous frequency estimation using polynomial chirplet transform," *2016 IEEE Region 10 Conference (TENCON)*, 2016, pp. 1250-1253, doi: 10.1109/TENCON.2016.7848211.

[7]. G. V. S. S. K. R. Naganjaneyulu, N. V. Sathwik and A. V. Narasimhadhan, "A multi clue heuristic based algorithm for table detection," *2016 IEEE Region 10 Conference (TENCON)*, 2016, pp. 1246-1249, doi: 10.1109/TENCON.2016.7848210.

[8]. A. V. Narasimhadhan *et al*., "Reconstruction of Edges from Fan-Beam Projections," *TENCON 2018, IEEE Region 10 Conference*, 2018, pp. 1278-1283, doi: 10.1109/TENCON.2018.8650217.

[9]. G. V. S. S. K. R. Naganjaneyulu, B. S. Shaik and A. V. Narasimhadhan, "R peak delineation in ECG signal based on polynomial chirplet transform using adaptive threshold," *2016 11th International Conference on Industrial and Information Systems (ICIIS)*, 2016, pp. 856-860, doi: 10.1109/ICIINFS.2016.8263058.

ADDITIONAL RESPONSIBILITIES AND ACADEMIC ACHIEVEMENTS

- **Head of the Department**, Department of ECE, RGUKT Basar from Feb 11th 2021 to till date

- **SPOC** for Smart India Hackathon for RGUKT Basar, for the year 2019.

- **Member for Cultural Committee**, RGUKT Basar, from Apr 2016- Mar 2017

- **Warden**, Boys Hostel East wing, RGUKT Basar from Apr 2016- Mar 2019

- **Department level M.Tech coordinator** for Dept. Of ECE, RGUKT Basar Apr 2016-2019

- **Department level library incharge** for Dept. Of ECE, RGUKT Basar Apr 2016-2019

INDUSTRIAL PROJECT

SPOT LIGHT SYSTEM
This device is used to detect the pedestrians along the road, crossing across the road etc and puts a spot light on the feet of pedestrian during the night time. This is a security system implemented to avoid accidents when the car is travelling by a speed between 30 ~ 70 KMPH.

Skills Used   **:** Image Processing
Duration   **:** July 25, 2010 – Sept 13, 2011
Team Size   **:** 7
Programming Languages : Matlab, C
My Role
✓ Developed Image processing algorithms for pedestrian detection

✓ Developed segmentation, hypothesis verification, and classification modules for pedestrian detection.

✓ Developed Matlab test framework for pedestrian detection system.

✓ Integration of all the module scripts and ensuring error free delivery.

ACADEMIC PROJECTS

M.E. Project :
STUDY OF ACOUSTIC SOURCE LOCALIZATION FOR PLANAR ARRAYS

The earlier works in the area of acoustic source localization mostly used non-planar arrays. In this project, an attempt had been to extend a linear closed-form source localization algorithm based on time difference of arrivals (TDOAs) for planar arrays. The robustness of the source location estimate using the least squares and total least squares approach, with respect to the error in TDOAs, microphone locations is studied. This project also deals with TDOA estimation.

PROJECTS GUIDED

M.Tech:

Name of Student	Title of the Thesis	Year of Award
KNRK Raju	A method for abandon object detection based on background subtraction	2013
A Pushpalatha	A COMPARATIVE STUDY ON SKIN MODELLING AT DIFFERENT COLOR SPACES USING GAUSSIAN AND BAYESIAN APPROCH	2014
Sk. Basheeruddin shah	Time frequency analysis methods for QRS delineation in ECG signal	2015
Puneet Kumar Singh	Agricultural land survey by using Quad Copter.	2015
G Noble reddy	A method for Automatic Heart Beat Classification using ECG via Instantaneous Frequency estimation based of STFT	2017
B Nagasubrahmanyam	A method for Automatic Heart Beat Classification Using ECG signal based on Multiscale chirplet ransform	2017
Ch Srividya	A Comparative Study Of Three QRS Detection Methods On Electrocadiography(ECG) Signal Evaluated On 13 Standard Databases	2018
G Sabarinath	PERFORMANCE ASSESSMENT OF FOUR QRS DETECTION METHODS EVALUATED ON 13 STANDARD DATABASES	2018
Pulkam Srikanth	Respiratory rate estimation from the ECG using an instantaneous frequency tracking algorithm	2019

B.Tech:
Guided about 100 students so far.

REFERENCES

Prof. K.V.S. Hari,
Department of ECE,
Indian Institute of Science,
Bangalore 560012,
India
Email: hari@ece.iisc.ernet.in

Prof. G Sasi Bhushana Rao
Department Of ECE,
College Of Engineering
Andhra University,
Visakhapatnam - 530 003
Email: sasigps@gmail.com

PERSONNEL INFORMATION

Marital Status : Married

Date Of Birth : 5/02/1986

Passport No   : G6839059

Mobile No   : 9985061469

Email id   : snd.786@gmail.com

Permanent Address : G V S S K R Naganjaneyulu,

                                S/o. G Venkateswara Rao,

                                Dr. No. 18-31.17.,

                                Manthrivari street, Sangadi Gunta,

                                Guntur, Andhra Pradesh,

                                Pin Code: 522003

DECLARATION

I hereby declare that the above stated details are true to the best of my belief and knowledge.

                                                  [V S S K R Naganjaneyulu. G]