1. Name in full : **SUGALI SWARNALATHA**

2. Designation : **Associate Professor**

3. Contact Phone number : **9490981637**

4. E-mail id **: swarnasvu09@gmail.com**

5. Date of Birth : **23-03-1979**

6. Academic Credentials:

S.No	Degree	University	Year	Field of Specialization
1.	B.Tech.	J.N.T.U	2000	Electronics & Communication Engineering
2.	M.Tech.	J.N.T.U	2004	Digital Electronics & Communication Systems
3.	Ph.D.	S.V.U	TILL DATE	Image Processing

7. Experience:

S.No	Organization	Designation	Period
1.	J.N.T.U.C.E., Anantapur.	Lecturer	12-02-2001 to 14-05-2005
2.	M.I.T.S, Madanapalle.	Assistant Professor Associate Professor	17-06-2005 to 30-06-2006 01-07-2006 to 31-10-2007
3.	C.M.R.I.T, Hyderabad.	Associate Professor	02-11-2007 to 19-08-2009
4.	S.V.U.C.E, Tirupathi.	Associate Professor	20-08-2009 to TILL DATE

8. Areas of Specialization : Image Processing

9. Number of Publications in journals : 6
   Number of Paper Presentations : 8

10. No. of Ph. D Thesis supervised : --
    No. of M.Tech dissertations guided : 10

11. No. of Conferences/Seminars/Workshops Organized : --
    No. of Conferences/Seminars/Workshops Attended : 43

12. No. of Research projects completed : --
    No. of Research projects in progress : --

13. No. of Consultancy projects completed : --
    No. of Consultancy projects in progress : --

14. Membership in Professional bodies : IEI (M-143862-4)
    IETE (M 235375)

A) List of M.Tech dissertations guided:

S.No	Name of the Student (Roll No)	Title of Dissertation	Year of Registration	Status
1.	A. Sruthi Keerthi (1108337)	Weather Monitoring System Using PIC.	08/09/2008	02/05/13
2.	A. Gangadharam (1108319)	Level of Decomposition on percentage of Zero's and Energy Retained for an Image after Compression and Denoising using Wavelet	08/09/2008	26/01/13
3.	G. Pavani (11094108)	Comparison of Original and Cartoon Images with Edge and Background Detection.	09/10/2009	31/12/11
4.	T. Hari Kala (11094117)	Implementation of Skin Tone Based Steganography in Biometric Applications.	09/10/2009	31/12/11
5.	R. Mahesh (11103204)	Image Processing based stator fault severity detection and diagnosis of Induction motor using Lab view	10/11/2010	06/12/12
6.	B. Sreenivasa Reddy (11104101)	Comparison Of Quality Indices Of Deblocked Images	10/11/2010	08/09/14
7.	P. Uma Shankar (1111311)		05/12/2011	03/02/16
8.	A. Thriveni (1111316)	Data processing for pilot active array radar	05/12/2011	14/06/14
9.	M. Nawaz Shareef (1112309)	Dual-Tree DWT based turbulence in visual surveillance	2012	29/04/15
10.	P.V.Lakshman Kumar (1112314)		2012	11/08/15
11.	(E1112308)			
12.	A. Hari Krishna (134106)			
13.	manohar (134204)			
14.	C. Naveen Kumar Reddy (134220)			
15.				
16.				
17.				
18.				

B) Courses handled:

S.No	U.G Program	P.G Program
1.	Analog IC Applications	Digital Communication Techniques
2.	Analog Communications	Digital System Design
3.	Antenna and Wave Propagation	Fault Tolerant Systems
5.	Electro Magnetic Waves and Transmission Lines	Filter Banks & Wavelets
4.	Digital Communications	Microwave Circuits
6.	Digital IC applications	
7.	Electronics Engineering	
8.	Fields and Waves	
9.	Logic Circuits	
10.	Microprocessor and its Applications	
11.	Random Signal Stochastic Process	
12.	Digital Signal Processing Lab	Digital Communication Techniques Lab
13.	Electronic Devices And Circuits Lab	Image Processing Lab
14.	Electronics Engineering Lab	Microwave Circuits Lab
15.	MATLAB and UNIX lab	
16.	Microprocessor and its Applications Lab	
17.	Pulse and Digital Communication Lab	

C) Administrative Positions Held:

S.No	Position	Place	Period
1.	Deputy Warden	S.V.U.W.H., Tirupati.	13-11-2010 to 27-11-2012
2.	Executive Member	S.V.U.W.T.A., Tirupati.	26-02-2011 to 26-02-2014
3.	RTI ACT Coordinator	S.V.U.C.E., Tirupati.	11-12-2012 to Till Date
4.	Additional chief superintendent of examinations	S.V.U.C.E., Tirupati.	05-11-2014 to Till Date

D) List of REFRESHER COURSE Attended:

S.No.	Title of the event	Organizing institution	period
1.	Engineering sciences	UGC-HRDC, SVU, Tirupati.	16-11-2015 to 05-12-2015

E) List of Faculty Development Programs Attended:

S.No.	Title of the event	Organizing institution	period
1.	Image Processing and its Application: A Decision Support System for Healthcare.	Dept. of E.C.E., K.S.R.C.T., Tiruchengode, Erode, Tamilnadu.	30 APR-11 MAY 2012
2.	Student Outcome Based Engineering Education For Enhanced Employability	Sri Venkateswara University college of Engineering, Tirupati	5 JAN 2013
3.	VLSI Design Flow Using Synopsys EDA Tools	Dept. of E.C.E, S.V.U.C.E., Tirupati.	12-13 APR 2013
4.	Developing Employability Skills among Students – Industry Perspective	Dept. of E.C.E, S.V.U.C.E., Tirupati.	27 JUL 2013
5.	Foundation Skills In Information Technology	Sri Venkateswara University college of Engineering, Tirupati	20-30 JAN 2014
6.	Intellectual Property Rights	Sri Venkateswara University college of Engineering, Tirupati	8 JUL 2014

F) List of National Workshops Attended:

S.No.	Title of the event	Organizing institution	period
1.	Mechatronics	Dept. of E.C.E & Dept. of M.E, Intel Eng. College, Anantapur.	07-08 DEC,2003
2.	Mathematical models for Bio fluid flows and Applications	Dept. of Mathematics, SVU, Tirupati & Dept. of OR & SQC, RU, Kurnool.	22-26 JAN, 2010
3.	Capacity Building of Women Managers in Higher Education	Dept. of E.E.E, S.V.U.C.E, Tirupati.	08-12 NOV,2010
4.	Women and Governance	Centre for Extension Studies, SVU, Tirupati.	18 MAR,2011
5.	Basic Electronics	IIT Bombay	28 JUN -8 JUL 2011
6.	Cloud Computing	Dept. of Physics, S.V.U.C.S., Tirupati	8 NOV 2011
7.	Research Methodology in Engineering	Dept. of E.C.E., A.I.T.S., Rajampet	10-11 DEC,2011
8.	Applications of Digital Image Processing.	Dept. of E.C.E., C.B.I.T., Hyderabad.	17-18 FEB,2012
9.	Introduction to Research Methodology	IIT Bombay	25 JUN-04 JUL 2012
10.	Aakash for Education	IIT Bombay	10-11 NOV 2012
11.	Analog Electronics	IIT Bombay	04-14 JUN 2013
12.	Advances in Signal Processing	Dept. of E.C.E, S.V.U.C.E., Tirupati.	05-06 JUL 2013
13.	Signals & Systems	IIT Bombay	02-12 JAN 2014
14.	Initiatives for Quality Improvement in Engineering Education	S.V.U.C.E., Tirupati.	15-16 NOV 2014
15.	Strategic Planning Of Educational	S.V.U.C.E., Tirupati.	17 NOV 2014

	Institutes		
16.	Wavelet Transforms in Signal Processing	S.V.U.C.E., Tirupati.	14-15 MAR 2015
17.	Nano-Technology and MEMES	S.V.C.E.T,Chittoor	------
18.	TEQIP-II Management Capacity Enhancement Programme	IIM Tiruchirapalli	12-16 oct 2015

G) List of National Seminars Attended:

S.No	Title of the event	Organizing institution	period
1.	Women and Management-Perspectives and Perceptions	Centre for Extension Studies, SVU, Tirupati.	30-31 MAR 2010
2.	Women and Education, Training, Science and Technology – A Pathway to Development.	Centre for Extension Studies, SVU, Tirupati.	26 MAR 2011
3.	Wireless Networking & Communications	Department of ECE, JNTUACE, (Autonomous) Anantapur.	27-28 JAN 2012

H) List of Papers Presented in International Conferences:

S.No	Title of the Paper	Title of the event	Organizing institution	Period
1.	Data processing for pilot active array radar	Communications, Networking and Signal Processing	VIT, Vellore	19-21 SEP,2013
2.	A New Deblocking Quality Index For Deblocked Images	International academic conference on electrical, electronics and computer engineering	IRAJ research forum, Goa	13 JUL 2014

I) List of Papers Presented in National Conferences:

S.No.	Title of the Paper	Title of the event	Organizing institution	Period
1.	Morphological background detection and enhancement of images with poor lighting	Software Algorithm	Sri Devi Women's college of Engineering, Hyderabad.	23 MAR 2011
2.	Comparison of original and cartoon images with edge and background detection	VLSI Architectures for Image and Video Processing	MET's College Association for Electronics Engineers	16 NOV 2011
3.	Skin tone based - steganography	VLSI Architectures for Image and Video Processing	MET's College Association for Electronics Engineers	16 NOV 2011
4.	Edge detection of steerable weighted median filter	Emerging trends in communications and signal processing techniques	S V U College of Eng., Tirupati, IETE-Tirupati center.	21 JAN 2012
5.	Simulation of detection of induction motor stator fault using image processing with particle analysis	Communications and Computer Aided Electronic Systems	Dept. of E.C.E., C.B.I.T., Hyderabad	20-21 APR 2012
6.	Video compression using Wavelet domain Block Matching (WBM) Method and Set Partitioning in Hierarchical (SPIHT) Algorithm.	Recent Advancements in Microwave and Antennas	Dept. of E.C.E., S.V.C.E.T., Chittoor.	03-04 MAR 2015

J) List of Journal Papers:

S.No	Title of the Paper	Title of the Journal	Year of publication
1.	Comparison of Original and Cartoon images with Edge and Background Detection.	International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 Vol. 1, Issue 4, pp.1291-1295	NOV-DEC 2011
2.	Implementation of Skin Tone Based	International Journal of Engineering Research	NOV-DEC

		and Applications (IJERA) ISSN: 2248-9622 Vol. 1, Issue 4, pp.1696-1701	2011
3.	Edge detection of steerable weighted median filter	Journal of Innovation in Electronics and Communication ISSN: 2249-9946 Vol. 2, Issue 2, pp.48-51	JAN 2012
4.	Image Processing based stator fault severity detection and diagnosis of Induction motor using Labview	International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 Vol. 2, Issue 5, pp.47-51	SEP-OCT 2012
5.	Data processing for pilot active array radar	International Journal of Engineering Research and technology (IJERT) ISSN: 2278-0181 Vol. 2, Issue 7, pp.1653-1657	JUL 2013
6.	Multiple Persons Tracking And Counting In Surveillance Videos	International Journal of Advanced Research Electronics and Communication Engineering (IJARECE) ISSN: 2278-909X Vol. 2, Issue 12, pp.965-969	DEC 2013
7.	Comparison Of Quality Indices Of Deblocked Images	International Journal of Electrical Electronics And Telecommunications (IJEETC) ISSN: 2319-2518 Vol.3 No.1, pp.104-115	JAN 2014
8.	Dual-Tree DWT based turbulence mitigation in visual surveillance	International Journal of Advanced Research Computer and Communication Engineering (IJARCCE) ISSN: 2278-1021 Vol. 3, Issue 11, pp.8537-8541	NOV 2014
9.	Double Density DWT based fusion technique for mitigating turbulence in surveillance videos	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREIE) ISSN: 2320-3765 Vol. 4, Issue 1, pp.240-245	JAN 2015
10.	Video Compression with Wavelet Transform Using WBM Method and SPIHT Algorithm	International Journal of Advanced Research Electronics and Instrumentation Engineering (IJAREIE) ISSN: 2320-3765 Vol. 4, Issue 2, pp.1046-1051	FEB 2015
11.	**Image Denoising Techniques Using Dual Tree Complex and Hyperanalytic Wavelet Transform With Bi-Shrink Filter**	**International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREIE) ISSN: 2278-8875 Vol. 4, Issue 4, pp.2572-2580**	**APR 2015**
12.	**Hyperanalytic Dual Tree Complex Wavelet Transform Based Image Denoising Using Bi-Variate Shrinkage Filter**	**International Journal of Engineering & Scientific Research (IJESR) ISSN: 2347-6532 Vol. 3, Issue 8, PP.102-121**	**AUG 2015**
13.	**Comparative Analysis of BM3D and Complex Wavelet Transform based Image Denoising Techniques**	***i-manager's Journal on Image Processing, (JIP)*** ***Vol. 2 · No. 3 · pp. 22-31***	**JUL-SEP 2015**
14.	Video Enhancement to Obtain Intra and Inter Frame Quality of a Video	International Journal of Advanced Research Computer and Communication Engineering (IJARCCE) ISSN: 2278-1021 Vol. 4, Issue 10, pp.404-408	OCT 2015
15.	Obtain the Intra-And-Inter Frame Quality of Video Based On Tone Mapping Algorithm	International Journal of Advanced ?Technology and Innovative Research (IJITIR) ISSN 2348–2370 Vol. 7, issue 17, PP.3450-3456	NOV 2015
16.	Multi-scale Block Compressed Sensing image Reconstruction using Smoothed Projected Landweber	International Journal of Advanced Research Computer and Communication Engineering (IJARCCE) ISSN: 2278-1021 Vol. 4, Issue 11, pp.77-81	NOV 2015
17.	Multi-Scale Block Compressed Sensing of Images using Directional Transforms	International Journal of Advanced ?Technology and Innovative Research (IJITIR) ISSN 2348–2370 Vol. 7, issue 17, PP.3457-3460	NOV 2015
18.			

DECLARATION: I am to certify that all the information mentioned above is correct.

Date: Signature of the Teacher

(J) **List of B.Tech projects guided:**

S.No	Roll No's of the Student	Title of Project
1.	10704003, 10704036, 10704039.	Vehicle Number Plate Recognition Using Optical Character Recognition
2.	10804004, 10804040, 10804022.	
3.	10904023, 10904020, 10904004.	Video Compression Using Block Matching Technique
4.	11004027, 11004016, 11004021.	Video Processing For Vehicle Detection And Counting Using Blob Analysis