




ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)

Accredited by NAAC & An ISO 9001:2015 Certified Institution

ITI Road, ALC Campus, VIJAYAWADA - 520 008 :: Website : www.aliet.ac.in :: Ph : 0866 - 2476161

FACULTY PROFILE

Name of the Faculty	Dr.K. PRASANTHI JASMINE			
Designation	Professor			
Department	Electronics & Communication Engineering			
Date of Joining the Institution	09-12-2013			
Qualification	UG: B.Tech.			
	PG: M.E			
	Ph.D			
Employee ID	ALIET-13-35			
E-Mail	jasmineprasanthi@yahoo.com			
Total Experience in Years	Teaching: 17 years	Industry: 0 years	Research:00	
Papers Published	National:00	International: 24		
Papers presented in Conferences	National: 00	International:10		
PhD Guide? Give field & University	Field: Image Processing	University: Andhra University		
PhDs / Projects Guided	PhDs: 00	Projects at Masters Level: 07		
		Projects at UG Level: 34		
Books Published/IPRs/Patents	---			
Professional Memberships	MISTE,IE,IETE			
Consultancy Activities	---			
Awards	---			
Grants fetched	---			
Whether Ratified by University (Yes/No)	Yes			

Academic Chronicle:

- **Ph.D** from **Andhra Univeristy**, Visahkapatnam, India in Jan 2016

Thesis: Development of New feature descriptors for Content based Image Retrieval.

- **M.E Digital Systems Engineering** from **Osmania University**(Campus) , Hyderabad, India, in 2003

Thesis: VHDL implementation of the Snow cipher algorithm in standard mode

- **B.Tech (Electronics and Communication Engineering)** from **REC Warangal, Kakatiya University**, Warangal, India in 2000

Thesis: Software package for analyzing and designing a microstrip patch antenna

- **Intermediate (M.P.C.)** from **Aditya Junior College**, Vijayawada, Krishna (District), Andhra Pradesh with **84%** in 1996.
- **S.S.C** from **SKVTEM High School**, Rajahmundry, East Godavari (District), Andhra Pradesh with **89%** in 1994.

Areas of Interest:

1. Image Retrieval
2. Video Processing
3. Signal Processing
4. Speech Processing
5. Machine Learning

Subjects Taught:

Post Graduate (M. Tech) Level:

1. Digital Data Communications
2. Digital Signal Processing Architecture
3. Advanced Digital Signal Processing
4. Image and Video Processing
5. Digital System Design

6. Wireless Sensor Networks

Under Graduate (B. Tech) Level :

1. Electronic devices and circuits
2. Signals and Systems
3. Pulse and Digital Circuits
4. Radar Systems
5. Linear IC applications
6. Digital IC applications
7. Computer Networks
8. Computer Architecture and Organization
9. Digital Signal Processing
10. Electromagnetic waves and Transmission line
11. Digital Image Processing
12. Electronic Measurements and Instrumentation
13. Cellular Mobile Communications
14. Optical Communications
15. Satellite Communication
16. Analog Communications
17. Digital Communication
18. Switching Theory and Logic Design

Laboratories Dealt at UG & PG Level:

1. Electronic devices and circuits Lab
2. LICA Lab
3. Digital logic Design Lab
4. DICA Lab
5. Analog Communications Lab
6. Digital Communications Lab
7. Pulse and Digital circuits Lab
8. System Design and Data Communications Lab

Any Other Achievements :

1. Best teacher award in Vijaya Institute of Technology for women , Vijayawada
2. Certificate of Appreciation from Income Tax Department in Bronze Category
3. **Reviewer, Editorial Board** of Research script & ISRD allied Journals.
4. **Certificate of Appreciation from Ministry of Finance, Government of India**

5. Gave **Key Note Addresses & Guest Lectures** in the **National & State Level** Conferences & Workshops.

Detail of Employment: Teaching: 18 Years & Administration: 7 Years

- **Feb 2016 till date** *Professor*, Department of Electronics and Communication Engineering, Andhra Loyola Institute of Engineering and Technology, Vijayawada, India.
- **Dec 2013 to Jan 2016** *Associate Professor*, Department of Electronics and Communication Engineering, Andhra Loyola Institute of Engineering and Technology, Vijayawada, India.
- **Jun 2008 to Dec 2013** *Associate Professor*, Department of Electronics and Communication Engineering, Vijaya Institute of Technology for women, Vijayawada, India.
- **Jan 2008 to Jun 2008** *Associate Professor*, Department of Electronics and Communication Engineering, Sri Saradhi Institute of Engineering and Technology, Nuzvid, India.
- **Jun 2004 to Nov 2007** *Sr. Assistant Professor*, Department of Electronics and Communication Engineering, HolyMary Institute of Science COE, Hyderabad, India.
- **Feb 2003 to Jun 2004** *Assistant Professor*, Department of Electronics and Communication Engineering, Lakireddy Balireddy college of Engineering, Mylavaram, India.

Experience in other Institutions :

S. No.	Institute / Organization	Position held	Date of joining	Till Date	Duration
1	LakiReddy BaliReddy College of Engg, Mylavaram	Assistant Professor	19-02-2003	30-05-2004	1 year 3 months
2	Holy Mary Institute of Technology and Science, Bogaram, Hyderabad	Sr. Assistant Professor	26-06-2004	29-11-2007	3 years 5 months
3	Sri Sarathi Institute of	Associate	02-01-2008	31-05-2008	6 months

	Engg. & Tech., Nuzvid	Professor			
4	Vijaya Institute of Technology for Women Vijayawada	Associate Professor	23-06-2008	07-12-2013	5years 6 months

Administrative Positions:

- Presently holding the responsibility of “***IQAC Coordinator***” for Andhra Loyola Institute of Engineering and Technology.
- Acted as “***Coordinator***” for carrying out **NAAC** accreditation process for the Academic Year 2019-2020.
- Acted as “***Coordinator***” for carrying out the **Academic Audit** for all the departments of Andhra Loyola Institute of Engineering and Technology.
- Acted as “***Head of Computer Science Engineering Department***” in ALIET from June 2016-June 2018.
- Acted as the “**Member, Board of Studies , Andhra Loyola College (Autonomous)**”, during 2015-2018.
- Acted as the “***Department Coordinator***” for streamlining the departmental activities during 2013 to 2016.
- Acted as Departmental “***Time Table In-charge***” in Andhra Loyola Institute of Engineering and Technology during 2013 to 2016.

List of Publications (Journal/Conference/book) :

International Journals

S. No	Authors	Title of the Research Paper	Name of the Journal	Volume No.	Issue No.	Page Nos.	Year Of Publication	Impact Factor
1	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar, K.Naga Prakash	An Effective Technique to compress images through hybrid wavelet –Ridgelet transformation	International Journal of Engineering Research and Applications (IJERA)	2	4	1949 - 1954	2012	1.99
2	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Localized RGB Histogram color Histogram Feature descriptor for Image retrieval	International Journal of Advanced Engineering & Technology	7	3	887-895	2014	0.821
3	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	DBC co-occurrence matrix for texture Image Indexing and retrieval	Intelligent Computing, Networking, and Informatics Advances in Intelligent Systems and Computing	243	2	763-773	2014	2.76
4	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Color Histogram and DBC Co-Occurrence Matrix for Content Based Image Retrieval	International Journal of Information Engineering and Electronic Business (IJIEEB),	6	6	47-54	2014	2.13
5	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Integration of HSV Color Histogram and LMEBP Joint Histogram for	Springer Series Advances in Intelligent	243	2	753-762	2014	2.66

		Multimedia Image Retrieval	Systems and Computing.(Scopus Indexed)					
6	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Color and Local Maximum Edge Patterns Histogram for Content Based Image Retrieval	International Journal of Intelligent Systems and Applications (IJISA)	6	11	66-74	2014	1.78
7	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar, K.Naga Prakash	Multi-resolution Joint LBP Histograms for Biomedical Image Retrieval	International Journal of Computer Applications (IJCA),	95	3	23-27	2014	2.14
8	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	M-Band and Rotated M-Band Dual-Tree Complex Wavelet Transform for Texture Image Retrieval	Intelligent Computing, Networking, and Informatics Advances in Intelligent Systems and Computing	243	2	775-784	2014	2.76
9	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Color and Rotated M-Band Dual Tree Complex Wavelet Transform Features for Image Retrieval	International Journal of Image, Graphics and Signal Processing (IJIGSP)	6	9	1-10	2014	1.76
10	D.Lakshmi Bharathi, K.Prasanthi Jasmine	Video coding by using H.624/MPEG-4 Advanced Video Compression	International Journal of Research in computer Applications (IJRCAR)	2	8	222-229	2014	1.23
11	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Color and Multi-resolution DBC Co-occurrence matrix for	Industrial Science	1	10	1-10	2015	2.33

		Image retrieval						
12	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar K.Naga Prakash	Color and Multi-resolution LMEBP joint histogram for Multimedia Image retrieval	International Journal of Engineering in Advanced Research in Electrical,Electronics and Instrumentation Engineering (IJAREEIE)	4	4	2626 - 2633	2015	2.16
13	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Gaussian DBC Co occurrence matrix for content based image indexing and retrieval	International Journal of Engineering trends and Technology (IJETT)	19	2	85-92	2015	1.53
14	L.Sravani, K.Prasanthi Jasmine,	Real-time traffic detection based on background subtraction in surveillance system	International Journal of Engineering in Advanced Research science and Technology	2	3	7735 -33	2016	1.78
15	Dr. K.Prasanthi Jasmine, Atluri Padmavathi	Human emotion Recognition from face images based on Textural Analysis and Linear Classifier	International Journal of Scientific Engineering and Technology Research (IJSETR),	6	2	2819 - 8885	2017	2.14

16	Dr. K.Prasanthi Jasmine, G.Jyothi	An improved and efficient image compression using LZW and BCH	International Journal of Engineering in Advanced Research science and Technology (IJAEARST)	1	1	2278 - 2566	2017	2.01
17	Dr. K.Prasanthi Jasmine, K.Meghana	Objective Quality Assessment for RGB 2 Gray conversion by using Fusion Technique	International Journal of Engineering in Advanced Research science and Technology (IJAEARST)	1	1	2278 - 2566	2017	2.01
18	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar, K.Naga Prakash	An Effective Technique to compress images through hybrid wavelet -Ridgelet transformation	International Journal of Engineering Research and Applications (IJERA)	2	4	1949 - 1954	2018	1.99

19	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Localized RGB Histogram color Histogram Feature descriptor for Image retrieval	International Journal of Advanced Engineering & Technology	7	3	887- 895	2018	0.821
20	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	DBC co- occurrence matrix for texture Image Indexing and retrieval	Intelligent Computing, Networking, and Informatics Advances in Intelligent Systems and Computing	243	2	763- 773	2018	2.76
21	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Color Histogram and DBC Co- Occurrence Matrix for Content Based Image Retrieval	International Journal of Information Engineering and Electronic Business (IJIEEB),	6	6	47- 54	2019	2.13
22	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Integration of HSV Color Histogram and LMEBP Joint Histogram for Multimedia Image Retrieval	Springer Series Advances in Intelligent Systems and Computing.(Sc opus Indexed)	243	2	753- 762	2019	2.66

23	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Color and Local Maximum Edge Patterns Histogram for Content Based Image Retrieval	International Journal of Intelligent Systems and Applications (IJISA)	6	11	66-74	2020	1.78
24	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar, K.Naga Prakash	Multi-resolution Joint LBP Histograms for Biomedical Image Retrieval	International Journal of Computer Applications (IJCA),	95	3	23-27	2020	2.14

International Conferences

S. No.	Authors	Title of the Research Paper	Name of the Proceedings	Page Nos.	Dates of The conference	Organized By
1	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Integration of HSV color histogram and LMEBP joint histogram for Multimedia Image retrieval	International Conference on Advanced computing, Networking and Informatics (ICACNI-2013)	753-762	June 12-14,2013	Springer Press At Central Inst. Of Tech., Raipur
2	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	M-Band & Rotated M-Band Dual tree complex wavelet transform for Texture Image retrieval	International Conference on Advanced computing, Networking and Informatics (ICACNI-2013)	775-784	June 12-14,2013	Springer Press At Central Inst. Of Tech., Raipur
3	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	DBC-Co occurrence matrix for Texture Image Indexing and	International Conference on Advanced computing, Networking	763-773	June 12-14,2013	Springer Press At Central Inst. Of Tech.,

		Retrieval	and Informatics (ICACNI-2013)			Raipur
4	K.Prasanthi Jasmine, Dr.P_.Rajesh Kumar	Multi-Resolution DBC-Co occurrence matrix for Texture Image Indexing and Retrieval	Fifth International Joint Conference on CNC & CCPE 2014	342-350	Feb 21-22 , 2014	Elsevier Press at Chennai

Additional Academic Activities:

- Convenor, For National level Technical Symposium EMBARK-2013 at VITW .
- Coordinator, For National level Technical Symposium EMBARK-2012 at VITW
- Member, Committee for Discipline.
- Coordinator for student counseling.
- Final Year Student Projects Coordinator.
- Involved in departmental activities such as ISO .

Professional Societies / Memberships:

- **Fellow** , Institution of Engineers (INDIA)(IEI)
- **Life Member**, Indian Society for Technical Education (ISTE)

Personal Details:

Name : **Dr.K.Prasanthi Jasmine**

Father's Name : Mr.K.Prabhudas

Mother's Name : Mrs.K.Suvarna Leela

Spouse's Name : **Dr. K.N.Prakash**

Daughter's Name : Ms.K.Preethi Angel

Son's Name : Mr. K.Praneeth Joy

Date of Birth : **9th February 1964**

Nationality : Indian

Religion : Christian

Residential address : **Dr.K.Prasanthi Jasmine**
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Kanuru, Near St.Theresa EM High school
Vijayawada- 520007, AP, INDIA

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