Dr. K.Prasanthi Jasmine M.Tech., Ph.D., FIE
Professor & IQAC Coordinator,
Department of Electronics and Communication Engineering
Andhra Loyola Institute of Engineering and Technology
VIJAYAWADA-520008,
Andhra Pradesh, India.
Email: jasmineprasanthi@yahoo.com
       drkpjasmine@aliet.ac.in

Contact No:+91 9440518803

Academic Chronicle:

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

  Thesis: *Development of New feature descriptors for Content basedImage Retrieval.*

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

  Thesis: *VHDL implementation of the **Snow cipher algorithm** instandard mode*

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

  Thesis: *Software package for analyzing and designing a **microstrippatch 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.

Experience, Professional Memberships & Research Publications:

Teaching Experience	20 Yrs
Professional Memberships	04
No. of Papers in International Journals	42
No. of Papers in International Conferences	08
No. of Papers in National Conferences	13

Significant Contributions/ Recognitions/ Honors:

- ➢ **Reviewer, Editorial Board** of Research script & ISJREE allied Journals
- ➢ **Reviewer, Editorial Board** of Research script & ISASE allied Journals
- ➢ **Reviewer, Editorial Board** of Research script & ISRD allied Journals.

- ➢ **Certificate of Appreciation from Ministry of Finance, Government of India**

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

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

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.

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

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.

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 Instituteof ScienceCOE, Hyderabad, India.

- **Feb 2003 to Jun 2004**   *Assistant Professor*, Department of Electronics and Communication Engineering, Lakireddy Balireddy college of Engineering, Mylavaram, India.

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 fromJune 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 departmentalactivities during 2013 to 2016.

- Acted as Departmental "*Time Table In-charge*" in Andhra Loyola Institute of Engineering and Technology during 2013 to 2016.

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,NAAC and NBA .
- Coordinator of Research group

Professional Societies / Memberships:

- ➢ **Fellow , I**nstitution of **E**ngineers (INDIA)(**IEI**)
- ➢ **Life Member**, **I**ndian **S**ociety for **T**echnical **E**ducation (**ISTE**)

List of Papers Published in International Journals:

1. "**Localized RGB Color Histogram Feature Descriptor for Image Retrieval**," International Journal of Advances in Engineering & Technology, (IJAET),ISSN:22311963, Vol.7, Issue-3, July-2014,pp 887-895
2. "**M-Band and Rotated M-Band Dual-Tree Complex Wavelet Transform for Texture Image Retrieval,**" Published in **Springer Series** "Advances in Intelligent Systems and Computing", Volume 243, pp 775-784, 2014. (**Book Series)**
3. "**Color and Rotated M-Band Dual Tree Complex Wavelet Transform Features for**

Image Retrieval," International Journal of Image, Graphics and Signal Processing (IJIGSP). ISSN: 2074-9074 (Print), ISSN: 2074-9082 (Online), Vol.6,No.9,August 2014,pp 1-10, DOI:10.5815/ijigsp.2014.09.01

4. "**DBC Co-occurrence Matrix for Texture Image Indexing and Retrieval**," Published in **Springer Series** "Advances in Intelligent Systems and Computing", Volume 243, pp 763-773, 2014. (**Book Series**).

5. "**Color Histogram and DBC Co-Occurrence Matrix for Content Based Image Retrieval,**" Intelligent Computing, International Journal of Information Technology and Computer Science (IJITCS). ISSN: 2074-9007 (Print), ISSN: 2074-9015 (Online).

6. "**Multi-Resolution DBC Co-Occurrence Matrix for Texture Image Indexing and Retrieval**," Fifth International Conference on Advances in Communication, Network, and Computing, Chennai, India, 2014. (**Article in Elsevier Press**).

7. "**Gaussian DBC Co-Occurrence Matrix for Content-Based Image Indexing and Retrieval,**" Intelligent Computing, International Journal of Intelligent Systems and Applications (IJISA). ISSN: 2074-904X (Print), ISSN: 2074-9058 (Online).]

8. "**Integration of HSV Color Histogram and LMEBP Joint Histogram for Multimedia Image Retrieval,**" Published in **Springer Series** "Advances in Intelligent Systems and Computing", Volume 243, pp 753-762, 2014. (**Book Series**).

9. "**Color and Local Maximum Edge Patterns Histogram for Content Based Image Retrieval**," Intelligent Computing, International Journal of Intelligent Systems and Applications (IJISA). ISSN: 2074-904X (Print), ISSN: 2074-9058 (Online).

10. "**Multi-resolution Joint LBP Histograms for Biomedical Image Retrie**val," International Journal of Computer Applications (IJCA),Vol.95, No.3, June-2014,pp 23-27,DOI:10.5120/16575-6260.

11. "**An effective technique to compress images through Hybrid Wavelet-Ridgelet Transformation**" International Journal of Engineering research and applications, July-Aug2012,Vol.2,Issue4,pp1949-1954.ISSN:2248-9622.

12. "**Mining Removable Covered Patterns Over Item Datasets With Capable Algorithms**"(IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH, Volume No.6, Issue No.3, April - May 2018, 8019-8022

13. "**Design and performance analysis of Sierpinski Diamond Fractal Antenna for Multi-Band Applications**",SPACES-2018, Dept. of ECE, K L Deemed to be UNIVERSITY

14. "**Satellite Image Resolution Enhancement based on Dual-Domain Filtering**"
International Journal of Engineering & Technology, 7 (2.7) (2018) 466-469

15. "**Feature Extraction And Detection Of Indian Currency Using Image Processing**" International Journal of Creative Research Thoughts(IJCRT) | Volume 6, Issue 1 March 2018|ISSN: 2320-2882,1854-1858

16. "**Steganography Technique For Hiding Data In An Image**" International Journal of

Creative Research Thoughts(IJCRT) | Volume 6, Issue 1 March 2018 | ISSN: 2320-2882,1304-1309

17. "**Objective Quality Assessment For Rgb 2 Gray Conversion By Using Fusion Technique**" International Journal of Engineering In Advanced Research Science and Technology, VOLUME-1 ISSUE-1 MARCH-2017 PAGE NO:174-182, ISSN: 2278-2566

18. "**An Improved And Efficient Image Compression Using LZW & BCH**" International Journal of Engineering In Advanced Research Science and Technology, VOLUME-1 ISSUE-1 MARCH- 2017 PAGE NO:166-173, ISSN: 2278-2566

19. "**Real Time Traffic Detection Based On Background Subtraction In Surveillance System**", International Journal of Engineering In Advanced Research Science and Technology,JANUARY 2016 VOLUME -2 ISSUE-3 Page:7735-33, ISSN: 2278-256

20. "**An Effective Technique To Compress Images Through Hybrid Wavelet-Ridgelet Transformation**", International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, Vol. 2, Issue4, July-August 2012, pp.1949-1954

21. " **Design and Implementation of Artificial Human Hand Model Based on Eye Blink Detection",** International Conference of Advance Research and Innovation (ICARI-2020),296-300

22. " **Home Automation using Raspberry PI, IoT and ALEXA",** International Journal of Advance Research and Innovation, Volume 8 Issue 2 (2020) ,152-155 ,ISSN 2347 – 3258

23. " **Semi Automotive Vehicle Using Raspberry Pi",** International Conference of Advance Research and Innovation (ICARI-2020),301-303

24. " **Wireless Data Transmission using Visible Light Communication**", International Journal Of Research In Electronics And Computer Engineering, IJRECE VOL. 7 ISSUE 1 (JANUARY- MARCH 2019) ISSN: 2393-9028 (PRINT) | ISSN: 2348-2281 (ONLINE),pp.1296-1298

25. "**An Emotion Recognition System in Matlab**", International Journal Of Research In Electronics And Computer Engineering, IJRECE VOL. 7 ISSUE 1 (JANUARY- MARCH 2019) ISSN: 2393-9028 (PRINT) |ISSN: 2348-2281 (ONLINE),pp.1426-1428

List of Patents Published:

1. Online Teaching system using Artificial Intelligence and Digital Pad-Reference No: E-12/3018/2020/CHE, Application No:202041047698

2. An ergonomic and secure automotive seating configured apparel for toddlers and children

Reference No:E-12/5183/2022/CHE Application No:202241039525

M. Tech & B. Tech Projects Guided:

1. **6 M. Tech Project works** were guided till now.
2. **34 B. Tech Project works** were guided till now.

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	:	**23rd April 1979**
Nationality	:	Indian
Religion	:	Christian

Residential address : **Dr.K.Prasanthi Jasmine**
D.No:6-9, Bhagya Nagar,
Kanuru, Near St.Theresa EM High school
Vijayawada- 520007,Penamalur Mandal
Krishna District, Andhra pradesh, INDIA

Address for Communication : **Dr. K.Prasanthi Jasmine**

Professor, Department of ECE,
Andhra Loyola Institute of Engg & Tech.,
ITI Road,Besides Ramesh Hospital
Vijayawada- 520008,Andhra Pradesh,
INDIA

Electronic communication : Phone: Mobile **+91-9440518803**

Phone: College: 0866-2476161
E mail : jasmineprasanthi@yahoo.com
drkpjasmine@aliet.ac.in