DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Faculty Bio Data

Dr.C.Karthik,

Professor, Dept. of ECE

OBJECTIVE:

To be associated with a team of educational professionals who imparts quality education in the field of Electronics & Communication Engineering.

SUMMARY:

- 14 Years of Experience as a Faculty in engineering colleges.

- Ratified as Associate professorat by JNTUH in 2018.

- Ratified as Assistant professor by JNTUA in 2012.

- Worked as HOD from 2012-2016 in Shree Rama Educational Society,Tirupati.

- Excellent working experience in design, develop and maintenance of the departmental labs according to the University syllabus.

- Strong knowledge in design and developmenton image processing (R&D)

- Guided for various Academic Projects in UG & PG levels

- Organized National Level Fests & Various College LevelEvents.

- Established Departmental Association of students for improving Technical Knowledge,

  Managerial skills etc …

- GoodCommunication Skills.

- Good People Management Skills.

- **International Journals   :15**

- **National Conferences   :02**

Educational Qualifications

- Ph.D, at Pondicherry University in Dec-2017.

- M Tech in Embedded Systems at Karunya University (2008 to 2010).

- B Tech in Electronics and Communications at JNTU-H (2004-08).

Technical Skills:

- Hardware Description Languages: Verilog HDL and VHDL.

- Circuit Simulation and verification Tools: B2 SPICE, Modelsim and Active HDL.

- Microwind for Layout design.

- Simulation and verification Tools:MATLAB

- FPGA & CFLD Design Flow Tools: Xilinx ISE.

- Prototype Boards: Xilinx (SPARTAN 3E - FPGA and CPLD).

- Prototype Boards for Embedded System**:** 8051 RTOS Development Board

Domain Knowledge:

- All Communications subjects which are related to ECE

- DIP,DSP,All core subjects in electronics.

- Hardware Description Languages

- Microwave Engineering

- EDA Tools

- Digital Design through verilog HDL

- Testing And Testability

- Embedded System Concepts

Professional Skills:

- Logical and Analytical.

- Ambitious and Self-motivated.

- Realistic and result-oriented.

- Possess excellent teaching skills.

PUBLICATIONS:

International Journals:

1.**Dr.V.Saminadan**and **C.karthik "**A survey on Drivers drowsiness detection techniques" International Journal on recent & innovation trends in computing and computation with ISSN:: 2231-8169.

2.**Karthik.c** and A.Bhanuchander"Design of high speed floting point multiplier unit"International journal of vlsi system design & communication systems with ISSN2277-128X.

3.**Karthik.c** and S.Yasmin "A butterfly architecture based on binary signed digit representation of floating point"International journal of vlsi system design & communication systems with ISSN2322-0929.

4.**Karthik.c** and A.Prakash "Design & Implementation of Heart rate Measurement device using wireless system"International. Journal & Magazine of Engineering, Technology,Management& Research with ISSN: 2348-4345.

5.**Karthik.c** and K.Hemanth "An implementation of mobile control room environment in Android platform for Industrial Applications" International Journal of Innovative Technologies with ISSN:2321-8665.

6.**Karthik.c** and S.Radhika "Secure & Privacy preserving Smart phone based traffic Information System"International Journal ofInnovative Technologies & Research with ISSN:3412-3414.

7. **Karthik.c** and S.Khadarvali "Face Recognition over FFT-OFDM Computer Networks" International Journal of Applied Engineering Research with ,ISSN:0973-4562.

8. **Karthik.c** alotnd D.Mounika "Design & Analysis of a low voltage double tail comparator for Flash ADC"International Journal of Scientific & Engineering Research with ISSN:2229-5518.

9.**Karthik.c** and A.Kailash "Optimized logic synthesis of reversible PLA"International Journal of Advanced and Innovative Researchwith ISSN:2349-6002.

10..D.Senthiland**Karthik.c** "Development of human tracking control & obstacle avoiding marathoner bot"International Journal of advanced Research in computer Engineering & Technology with ISSN:2321-8665.

11. IS.Priyaand**Karthik.c** "Wireless sensor based Energy Conservation via Bluetooth"International. Journal & Magazine of Engineering, Technology,Management& Researchwith ISSN:2348-4845.

12. S.Neelufurand**Karthik.c** "Compression of color Images using Clustering Techniques"International Journal of science & Engineering Research with ISSN:2229-5518.

13.V.Nickeland**Karthik.c** "Image Processing Techniques for Contrast Enhancement with poor lighting on social & medical images"International Journal of computer Applications with ISSN:0975-8887.

14. **Karthik.c** and D.Niranjan "Image denoising by using Local pixel grouping with PCA & SVD along with JBF & median filters" International Journal of applied Information systems with ISSN:2249-0868.

15.**Karthik.c** and A.Althaf "Algorithm for Efficient attendance management on face recognition based approach"International Journal of Computer Science with ISSN::1694-0814.

16.**Karthik.c** and D.Sukanya "Mobile Object Recognition with Its Enhancement" International Journal & Magazine of Engineering, Technology, Management and Research with ISSN: 2348-4845.

National Conferences:

1. **Karthik.c** and A.Bhanuchander"Technology optimized fixed point bit parallel multiplier for LUT based FPGAS"IEEE Sponsored 2nd International Conference on, Electronics and Communication systems,Karpagam College of Engineering,Coimbatore19^{th}& 20th March 2015.

2. **Karthik.c** and A.Bhanuchander"A New SCPG Technique to reduce Leakage Power in VLSI Logics"*IEEE Sponsored* 9th international Conference on Intelligent Systems and Control (ISCO) ,Karpagam College of Engineering, Coimbatore, 9th& 10th january-2015.

MALINENI LAKSHMAIAH
WOMEN'S ENGINEERING COLLEGE
Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada : : Accredited by "NBA" for our CSE & ECE and NAAC A+ Grade

Pulladigunta (V) Vatticherukuru (M), Guntur (Dist.)

SUBJECTS TAUGHT:

UG Level:

➢ Digital Image Processing(DIP)

➢ Microprocessor & Interfacing (MPI)

➢ Embedded Systems (ES)

➢ Principles of Communication (POC)

➢ Pulse and Digital Circuits (PDC)

➢ Digital Logic Designs (DLD)

➢ Analog Communications (AC)

➢ Digital Communication(DC)

➢ Electronics and Devices Circuits

Personal Profile:

Name	**:**	C KARTHIK
Father's name	**:**	CH RAJASEKHAR
Date of birth	**:**	25-06-1987
Gender	**:**	Male
Marital status	**:**	Married

Languages known **:** English,Telugu

DECLARATION

I hereby declare that the all the information provided above is true to the best of my knowledge.

PLACE: Guntur   (Dr.C. Karthik)