

## Dr.K.Parvathi

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### Professional Experience

More than 16 years of Teaching Experience

2009—Present

*Jagannath Institute for Technology and Management (JITM),Parlakhemundi,Orissa.*

- Principal
- Professor-- Department of Electronics and Communication Engineering.

2006—2009

*Jagannath Institute for Technology and Management (JITM) ,Parlakhemundi,Orissa.*

- Vice-Principal (Academic)
- Associate Professor – Department of Electronics and Communication Engineering.

2005—2006

*Gandhi Institute of Engineering & Technology, Gunupur,Orissa.*

- Associate Professor – Department of Electronics and Communication Engineering.

2002—2005

*Majhigarani Institute of Science & Technology, Rayagada, Orissa.*

- Head of the Department -- Department of Electronics and Communication Engineering.
- Assistant Professor-- Department of Electronics and Communication Engineering.

1999—2002

*Gandhi Institute of Engineering & Technology, Gunupur,Orissa.*

- Sr.Lecturer –Department Electronics and Instrumentation Engineering.

1998—1999

*Institute of Engineering and Management, Jeypore, Orrissa.*

- Lecturer—Department of Electrical Engineering.

1994—1998

*Orissa College of Engineering and Technology , Bhubaneswar , Orissa*

- Lecturer – Department of Electronics and Communication Engineering.

## Academic Qualifications

- ◆ 2010—Ph D ( Image Segmentation) from the *Department of Instrument Technology, Andhra University, Andhra Pradesh – Morphological Transformation for Feature Extraction from High resolution Satellite Images.*
- ◆ 2004—M Tech from the *Department of ECE, Andhra University, Andhra Pradesh with 76%.*
- ◆ 1994—PGDCA from NICA, Bhubaneswar, Orissa with 74%.
- ◆ 1989—B Tech (ECE) from *Osmania University, Hyderabad with 75% Distinction.*
- ◆ 1985—Intermediate from Govt.College for Women, Guntur with 72%.
- ◆ 1983—S.S.C from Schade Girls High School, Rajahmundry with 77%.

## Publications

### Papers in Referred journal

- K. Parvati *etal*, “Image Segmentation Using Gray Scale Morphology and Marker Controlled Watershed Transformation”, *Hindwai Publishing Corporation, Discrete Dynamics in Nature and Society*, ID-384346, 10.1155-2008-384346.
- K. Parvati *etal*, “pyramidal watershed segmentation algorithm for high resolution remote sensing images using discrete wavelet transforms.” *Hindwai Publishing Corporation, Discrete Dynamics in Nature and Society*, volume 2009,Article ID-60138, 11 pages.
- K. Parvati *etal*, “DTM generation and feature extraction from satellite images of hilly terrains using wavelets and watersheds”, *International journal of Remote sensing*.

### Papers in conferences :

- K.Parvathi, Debendra ku.sahoo, Satysis Mishra, “Format Frequency Estimation of Speech Signal:-A New Approach”, ITTECH-09, 4<sup>th</sup> March-5<sup>th</sup> March’09.
- Presented Paper titled , “DTM generation and feature extraction from satellite images of hilly terrains using wavelets and watersheds” in National conference on Morphological transformation- image processing, April’ 09, Bangalore.

### Workshops :

- Participated in workshop on “ Applied Soft Computing and Machine Intelligence” Silicon Institute of Technology” , November’05.

- Participated as a resource person in National level workshop on “MATLAB & its Application” in the month of March’08.-JITM.
- Participated in National level workshop on “ROBOTIS” in Feb’08.-JITM.
- Participated in National level workshop on “National level workshop on “language proficiency skills and Co-operative learning techniques.” from 28-04-08 to 01-05-08.
- Participated in AICTE –staff development programme on“ Soft computing techniques and its applications to Engineering” from 1<sup>st</sup> - 13<sup>th</sup> Dec 2008.

## Key Achievements

- ✚ Organized AICTE –staff development programme on“Evolutionary Optimization of Soft computing techniques and its applications to Engineering” by the Dept. of ECE, JITM ,June 2010 as a Principal.
- ✚ Organized AICTE –staff development programme on “Alternative sources of energy and alternative Automobile fuels” by the Dept. of MECH, JITM ,May 2010 as a Principal.
- ✚ Organized AICTE –staff development programme on “Emotional intelligence at workplace a communicative approach” by the Dept. of English, JITM, May 2010 as a Principal.
- ✚ Organized AICTE –staff development programme on “Teaching electromagnetic theory with modern visualization techniques” by the Dept. of ECE, JITM, November 2009 as a Principal.
- ✚ Organized AICTE –staff development programme on “Advance in electrical power and control systems” by the Dept. of EEE, JITM, December 2009 as a Principal.
- ✚ Led the department of Electronics and Instrumentation department for successful accreditation by the *NBA-AICTE*, July’08.
- ✚ Played a key role as a Project coordinator for the establishment of “Circuits and Design simulation” lab under *MODROBS –AICTE* scheme.- JITM.
- ✚ Organized AICTE –staff development programme on“ Soft computing techniques and its applications to Engineering” in JITM as a co-coordinator.
- ✚ Organized National level workshop on “MATLAB & its Application” in the

month of March'08.-JITM as a Coordinator.

- ✚ Organized National level workshop on “ROBOTICS” in the month of FEB'08.-JITM as a coordinator.
- ✚ Led the department of Electronics and communication department for successful accreditation by the NBA-AICTE , July'07.
- ✚ Played a key role as a Project co- coordinator for the establishment of “ Design and simulation” lab under MODROBS –AICTE scheme-GIET ,Gunupur, 2005-'06.

**Awards :**

- ✚ **National Merit Scholarship , Govt. of Andhra Pradesh . 1983**
- ✚ **Best Teacher , JITM, Orissa, 2008.**
- ✚ **Best Teacher , JITM, Orissa, 2007.**

**Professional skills: Good knowledge in MATLAB , XILINX, MICROWIND , ORCAD softwares**

**Professional membership: Life member of ISTE chapter.**

**Projects: Guided 20 BTech student Projects and 2 M Tech student projects.**

## **Personal**

**Date of Birth : 16<sup>th</sup> January 1968**  
**Citizenship : Indian**  
**Languages known : English , Hindi, Telugu, Oriya.**

