

# **RESEARCH PROFILE**

## **2014 - 2015**



**GOKARAJU RANGARAJU**  
**INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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# PREFACE

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) was established in the year 1997 by the Gokaraju Rangaraju Educational Society (GRES). The Institute currently offers eight undergraduate programmes and seven post graduate programmes in eight branches of engineering. It has two other PG programmes namely, MBA and MCA. GRIET has got NAAC accreditation on 08 July 2013 for a period of 5 years with 'A' grade. All major programmes of GRIET are accredited by the NBA. GRIET is permanently affiliated and autonomous under JNTUH and is conferred autonomous status for 6 years by UGC from 2014-15.

GRIET has the vision to be among the best of the Institutions for engineers and technologists with attitudes, skills and knowledge and to become an epicentre of creative solutions. In more than a decade of existence, the Institute has grown in stature and quality of education that it imparts to the students. It has student-friendly teaching-learning practices oriented towards improving learning outcomes and its teaching methodology is heavily biased towards practical work.

Performing creditably on the research front as well, the Institute boasts of 3 patents awarded and 6 patents registered, more than 300 research publications in reviewed journals and conference proceedings, 12 books, Research Projects/Seminar Grants worth over Rs.81 lakhs and industrial consultancy to the tune of over Rs. 20 lakhs. The Institute currently publishes four highly acclaimed International Journals and has organized four International Conferences, five National Conferences and over 30 Short Term Training Programs. MOUs with other Institutes and Industries are a value addition to this record.

GRIET has been deservedly recognized as the "Best Engineering Institute in Andhra Pradesh" by the ISTE in 2009. Conscious of the great responsibility that this recognition has brought, the Institute has undertaken a massive review exercise not only to keep the good name that it has already earned but also to improve considerably upon it in the future. A vital component of the Institute's vigorous thrust towards the future will be significant strengthening of the post graduate education and research programme.

The present booklet entitled "Research Profile" 2014-15 is a step towards taking stock of the research output of the Institute over the past one year. It is aimed at encouraging the Faculty to significantly improve sponsored research by applying to various governmental and nongovernmental research funding agencies, to publish their research work, to pursue collaborative research with premier institutions in India and abroad as also with industries in India. It is hoped that readers of this booklet will find it to be a useful source of information for possible collaboration with GRIET.

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# DEPARTMENT OF BIO MEDICAL ENGINEERING

## INTRODUCTION

Department of Bio-Medical Engineering was established in the year 2002. It conducts B.Tech Programme in Bio-Medical Engineering. The Department has well- equipped laboratories. It focuses on practical applications in the field of Medical Instrumentation, Medical Signal Image Processing.

Assets for the department are qualified faculty. Students are exposed to Seminars and workshops along with personality development programs.

The department is strengthened with a total of 9 faculties out of which 1 is pursuing PhD and the remaining hold M.Tech degree. The department has organized many workshops and seminars.

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1	T. Padma	MODROBS	AICTE	14.5	2013

## FACULTY AND THEIR PUBLICATIONS :



**Mrs. T. Padma**, (ID-208) Associate Professor of BME; Coordinator, FDP; Secretary, AAC

**Qualifications:** PhD(ECE) (Pursuing) From JNTU, M.E(Medical Electronics) From Anna University in 1997, B-Tech (ECE) From RECW in 1993.

**Experience :** 18 years

**Research Interest :** ECG Signal Processing

**Journal Publications/ Conference Proceedings :** 12

### Journal publications

#### International

1. Tatiparti Padma, Chepuri Bhavana, Peddamallu Srividya, **“Wavelet Based ECG Signal Component Identification”**, International Journal of Research in Engineering and Technology, Volume 03, Issue 05, May 2014, Pg 703 – 706, eISSN: 2319-1163 | pISSN: 2321-7308.
2. Padma T, Madhavi Latha M, Abrar Ahmed, **“ECG Compression and Lab View Implementation”**, Journal of Biomedical Sciences and Engineering Scientific Research USA, 2009, 2, 177-183
3. Padma T, Madhavi Latha M, **“Compression Techniques for ECG Transmission”**, Medical Journal of DY Patil University Kolhapur, 2009, 2, 85-91

### Conference Proceedings

#### International

1. T. Padma, P. Manju Bhargavi, S. Bhargavi, K. Satish Kumar, **“Image data compression using DWT and Bit plane slicing for Space applications”**, International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (IC-RAMAV-2013), JNTU, Hyderabad, ISBN: 9789351071693, Pg. 167-169, Elsevier Publications
2. T. Padma, Satish Kumar Kotha, **“Application of ECG Compression Technique on Ventricular Tachycardia Signals”** in (Exploit current research for harnessing the field of Life sciences) the Biofest-2012, international conference, Hyd , conference proceedings pg 18.
3. T. Padma, Satish Kumar Kotha, **“Application of DCT Technique for compression of Supra Ventricular Arrhythmia Signals”** for 2nd International



Conference on Biomedical Engineering and Assistive Technologies (BEATS 2012), National Institute of Technology, Jalandhar, INDIA.

4. Padma T, Madhavi Latha M, Jaya Kumar K, Balaji B, **“Designing a Low Power Sigma Delta Modulator and HRV Analysis for ECG System”**, International Conference on Advanced Computing Techniques, GRIET, Hyderabad, 2008, 939-944
5. Padma T, Madhavi Latha M, Jaya Kumar K, **“Decision Making Algorithm Through LVQ Neural Network for ECG Arrhythmias”**, International Conference of Biomedical Engineering , International Federation for Medical and Biological Engineering Springer Link Singapore, 2008, 85-91
6. Padma T, Madhavi Latha M, Jaya Kumar K, **“Compression Techniques for ECG Transmission”**, International Conference of Biomedical Engineering & Nanotechnology, DY Patil University Kolhapur, 2008
7. Padma T, Madhavi Latha M, **“PC Based Wireless ECG Monitoring System”**, Spring 2006 Faculty Student Multidiscipline International Conference on Research and Teaching, OOI Consortium for Teaching, Research, Learning and Development USA, 2006, 25-29

#### **National**

1. T. Padma, Satish Kumar Kotha, **“Discrete Cosine Transform for ECG Compression”**, 44<sup>th</sup> Mid-Term Symposium on ICT in Space, Defense and Industrial Applications, IETE Hyderabad, 2013.
2. T.Padma, Satish Kumar Kotha, **“DCT compression on Malignant Ventricular Arrhythmia signals”** PIC-2012, IETE Pallakad, conference proceedings pg 150-154



**Mr. Satish Kumar Kotha**, (ID-811) Assistant Professor and Head, Dept. of BME

**Qualifications:** M.S (Biomedical Engineering) (Louisiana Tech University, USA -2009), B.Tech (Biomedical Engineering) (JNTU, Hyderabad - 2007).

**Experience:** 4 Years

**Research interest:** Medical Image Processing

**Journal Publications/Conference Proceedings:** 7

#### Journal publications

##### International

1. Satish Kumar Kotha, Jahnvi Pinjala, Kavya Kasoju, Manvitha Pothineni, "**Gesture Recognition System**", International Journal of Research in Engineering and Technology, May 2015, Vol. 4, Issue 5, pp 99-104, eISSN: 2319-1163|pISSN: 2321-7308.
2. Satish Kumar Kotha, Gujjula Sanketa, K. Purnima, K. Ramya Krishna, "**Diagnosis of Diabetic Retinopathy and Glaucoma using Fundus and OCT Images**", International Journal of Innovative Research in Advanced Engineering, April 2015, Vol. 4, Issue 4, pp 208-214, eISSN: 2319-1163|pISSN: 2321-7308.

#### Conference proceedings

##### International

1. K. Satish Kumar, T. Padma, P. Manju Bhargavi, S. Bhargavi, "**Image data compression using DWT and Bit plane slicing for Space applications**", International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (IC-RAMAV-2013), JNTU, Hyderabad, ISBN: 9789351071693, Pg. 167-169, Elsevier Publications
2. Satish Kumar Kotha, T. Padma, "**Application of DCT Technique for compression of Supra Ventricular Arrhythmia Signals**" for 2nd International Conference on Biomedical Engineering and Assistive Technologies (BEATS 2012), National Institute of Technology, Jalandhar, INDIA.
3. Satish Kumar Kotha, T. Padma, "**Application of ECG Compression Technique on Ventricular Tachycardia Signals**" in (Exploit current research for harnessing the field of Life sciences) the Biofest-2012, international conference, Hyd , conference proceedings pg 18.

## National

1. T. Padma, Satish Kumar Kotha, “Discrete Cosine Transform for ECG Compression”, 44<sup>th</sup> Mid-Term Symposium on ICT in Space, Defense and Industrial Applications, IETE Hyderabad, 2013.
2. T.Padma, Satish Kumar Kotha, “DCT compression on Malignant Ventricular Arrhythmia signals” PIC-2012, IETE Pallakad, conference proceedings pg 150-154



**Mrs. Bhargavi Sundara**, (ID-764) Assistant Professor, Dept. of BME

**Qualifications :** M. Tech (Embedded Systems) (JNTU - 2013), B.Tech (Biomedical Engineering) (JNTU, Hyderabad -2009).

**Experience:** 4 Years

**Research interest:** Rehabilitation Engineering, Biomaterials

**Journal Publications/Conference Proceedings:** 2

## Journal publications

### International

1. Bhargavi Sundara, Dr. Kalyana Chakravarthi Sarvepalli, Sri Harsha Davuluri, “GSM based Patient Monitoring System in NICU”, International Journal of Research in Engineering and Technology, eISSN: 2319-1163 | pISSN: 2321-7308, Volume 02 Issue 07, Jul 2013, Pg. 120-123

## Conference Proceedings

### International

1. S. Bhargavi, K. Satish Kumar, T. Padma, P. Manju Bhargavi, “Image data compression using DWT and Bit plane slicing for Space applications”, International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (IC-RAMAV-2013), JNTU, Hyderabad, ISBN: 9789351071693, Pg. 167-169, Elsevier Publications





**Mr. A.V. Sandeep Reddy**, (ID-959) Assistant Professor, Dept. of BME

**Qualifications:** M. Tech (Biomedical Signal Processing and Instrumentation) (VTU - 2011), B.Tech (Electronics, Instrumentation and Control Engineering) (SVU - 2009).

**Experience:** 2 Years

**Research interest:** Bio-Transducers and Applications

**Journal Publications/Conference Proceedings:** 3

**Journal publications**

**International**

1. Sandeep Reddy A.V, M.Prem Kumar, Abid Hussain Zaidi, “**Dual-Purpose blind Navigation Box**”, IJRET, Vol-3, pg 359-362, eISSN:2319-1163,p ISSN:2321-7308, May-2014.
2. Sandeep Reddy A.V, “**Analysis on Parameters affecting sleep apnea and control measures using low cost PAP machine**” IJRET, Vol-1,issue-1, pg 63-77,ISSN:2319-1163.

**Conference Proceedings**

**International**

1. Sandeep Reddy A.V, M.Prem Kumar, Abid Hussain Zaidi, “**Dual-Purpose blind Navigation Box**”, TITCON-14, AVS Engineering College, Salem, 2014.



**Ms. P. Manju Bhargavi**, (ID-844) Assistant Professor, Dept. of BME

**Qualifications:** M. Tech (Embedded Systems) (JNTU - 2011), B.Tech (Biomedical Engineering)(JNTU - 2006).

**Experience:** 8 Years

**Research interest:** Biomedical Signal Processing

**Journal Publications/Conference Proceedings:** 3

**Journal Publications**

**International**

1. P. Manju Bhargavi, V. Sai Kiran Mayee, S. Manvitha, T. Manaswini, “**A Comparison of Image segmentation Techniques, OTSU and Watershed for X- Ray Images**”, International Journal of Research in Engineering and

Technology, April 2015, Vol. 4, Issue 04, pp: 720-723, eISSN: 2319-1163|pISSN: 2321-7308.

### Conference proceeding

#### International

1. S. Bhargavi, K. Satish Kumar, T. Padma, P. Manju Bhargavi, "**Image data compression using DWT and Bit plane slicing for Space applications**", International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (IC-RAMAV-2013), JNTU, Hyderabad, ISBN: 9789351071693, Pg. 167-169, Elsevier Publications
2. M.Prem kumar, P.Manju Bhargavi, K.Madhavi, "A Wireless biomedical equipment for health monitoring" 14<sup>th</sup> International Conference, CONIAPS XIV, SVNIT, SURAT, Gujarat, 2011.



**Mr. M. Prem Kumar**, (ID-866) Assistant Professor, Dept. of BME

**Qualifications:** M. Tech (Embedded Systems) (JNTU - 2012), B.Tech (Biomedical Engineering)(JNTU - 2006).

**Experience:** 6 Years

**Research interest:** Bio-Instrumentation

**Journal Publications/Conference Proceedings:** 3

### Conference proceedings

#### International

1. M.Prem Kumar, Sandeep Reddy A.V, Abid Hussain Zaidi, "**Dual-Purpose blind Navigation Box**", IJRET, Vol-3, pg 359-362, eISSN:2319-1163,p ISSN:2321-7308, May-2014.
2. M.Prem Kumar, Sandeep Reddy A.V, Abid Hussain Zaidi, "**Dual-Purpose blind Navigation Box**", TITCON-14, AVS Engineering College, Salem, 2014.
3. M.Prem kumar, P.Manju Bhargavi, K.Madhavi, "A Wireless biomedical equipment for health monitoring" 14<sup>th</sup> International Conference, CONIAPS XIV, SVNIT, SURAT, Gujarat, 2011.



**Mrs. B. Saritha**, (ID-1138)Assistant Professor,  
Dept. of BME

**Qualifications:** M. Tech (Embedded Systems) (JNTU - 2013), B.Tech (Biomedical Engineering) (JNTU - 2006).

**Experience :** 6 Years

**Research interest :** Bio-Instrumentation

**Journal Publications/Conference Proceedings:** 3

#### Journal publications

##### International

1. B. Saritha, Mufeeda Tabassum, Nagapuri Rajitha, Merugu Shruthi, **“Detection of Heart Murmurs using Phonocardiographic Signals”**, International Journal of Research in Engineering and Technology, April 2015, Vol 4, Issue 4, pp 547-550, eISSN: 2319-1163|pISSN: 2321-7308.

#### Conference proceedings

##### International

1. B. Saritha, D. Kiran Kumar, **“A Smart Android Mobile Jammer”**, International Conference on Innovations in Electronics and Communication Engineering, on 18<sup>th</sup> – 19<sup>th</sup> July 2014, at GNIT,
2. B.Saritha, **“Sleep methods- An efficient way to reduce the leakage power”** International conference on smart systems (ICSS-2013) on 7<sup>th</sup> -8<sup>th</sup> Oct 2013 at JBIET.

# DEPARTMENT OF BIO TECHNOLOGY

## INTRODUCTION

Department of Biotechnology was established in the year 2002 and commenced offering UG programme- B.Tech in Bio-Technology with an initial intake of 30 students which has been increased to 60 currently. The Department has highly qualified faculty and well equipped laboratories, striving to incorporate excellence in theory and practice. The well-equipped laboratories are Biochemistry, Microbiology, Bioprocess Engineering, Downstream Processing, Genetic Engineering and Instrumental methods of analysis.

The vision of the department is to create a center for imparting technical education of international standards and conducting research with cutting edge technologies to meet the current and future challenges of Biotech and healthcare industry. The mission of the department is to produce knowledgeable, professionally skilled man power in the field of Biotechnology, health care related areas and to create professionals with knowledge, skills and leadership quality to address needs of both contemporary and future society.

The Department is rated among top 20 BT schools in India by BIOSPECTRUM in the years 2008, 2009 & 2010 and among top 12 Colleges of India by a survey by the Journal 'BIOSPECTRUM' in Volume 10: Issue 8, Aug 2012. The Department has been accredited by NBA, AICTE from 2008-2011. It has won an award for "Best Working Model" for



designing a model Bioreactor in the year 2006 given by SRUJANA-2006 (State Level Project Exhibition cum Competition for Engineering Students). It motivates students to take innovative projects through In-house R & D, various Research institutions and Industries. It promotes industry interaction through Dr. Reddy's laboratories, Bharath Biotech, GVK bio and other industries.

The Department was accredited by NBA. In addition to quality teaching, students are exposed to certification courses and workshops along with personality development programs. Furthermore, required training is imparted to the interested students to prepare for competitive examinations such as GATE, CAT etc. The gradual increase in the number of participants and competitors for various programs and the growing number of placements reflects the impact of these programs.

The department is strengthened with a total of 14 faculties out of which 4 are Doctorates and 1 pursuing PhD. The department has organized two International conferences and many workshops. Its faculty have received funding for Major project under DST and Minor project from UGC.

## Doctorates in BT

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1	Dr. N. Sunil Kumar (HOD)	1993	12
2	Dr. D. Sailaja	1995	22
3	Dr. K. V. Pavani	1997	29
4	Dr. K. Krishnam Raju	2008	11

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. D. Sailaja	Seminar grant	AICTE	2	2008
2.	Dr. K. Krishnam Raju	R&D Project	DST/SERB	22	2012
3.	Dr. K. Krishnam Raju	R & D Project- Minor	UGC	4.45	2014

## Research Mobilization for Research (TEQIP-II)

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. D .Sailaja	Industry Interaction Programme conducted by Dr. Reddy's Labs in collaboration with CII.Prashanth Gudate, Head, QC, Dr. Reddy's Labs, Hyderabad	TEQIP -II	20,000	2013
2.	Dr. D .Sailaja	Faculty Development Programme (FDP) on Microbial and Molecular Techniques, Dr. K. Thomas Kiran, NitzaBiologicals	TEQIP -II	50,000	2013
3.	Dr. D .Sailaja	Faculty Development Programme (FDP) on Gene Cloning, Dr. V. Madhav Rao, NitzaBiologicals	TEQIP -II	50,000	2013
4.	Mr. C. Srikanth	Faculty Development Programme (FDP)- PhD Scholar support	TEQIP -II	20,000	2014-15

## FACULTY AND THEIR PUBLICATIONS :



**Dr. K.V.Pavani** (ID-530) Associate Professor of BT.

**Qualifications:** Ph.D in Biochemistry, Sardar Patel University (PhD completion in 1997), M.Sc (Life Sciences) (Sardar Patel University).

**Experience:** 19 years

**Research Interest:** Nano biotechnology, Environmental Biotechnology

**Journal Publications/Conference Proceedings:27**

### Journal Publications

#### International

1. K.V.Pavani, V,Divya, I.Veena, Biochemical Responses of Cicer arietinum Seedlings to Zinc and Bioengineered Zinc Nanoparticles Stress, Helix, Vol. No:1, p 483-486, ISSN-ISBN 2277 – 3495, August, 2014. [Impact Factor 1.46]
2. K.V.Pavani, V,Divya, I.Veena, Influence Of Bioengineered Zinc Nanoparticles And Zinc Metal On Cicer Arietinum Seedlings Growth, Asian Journal of Agriculture and Biology, Vol.2 (4), p 216-233, ISSN 2307-8553, December, 2014. [impact Factor-in process]
3. K.V.Pavani, Gayathamma , K., N. Sunil Kumar. Optimization of culture conditions affecting Carboxy methyl cellulase production by *Aspergillus* species. World Journal of Agriculture Research.Vol. 1, No. 4,pp. 65-69,2013.
4. K.V.Pavani, N.Sunil Kumar. Adsorption of iron and synthesis of iron nanoparticles by *Aspergillus* KVP- 12.. American Journal of Nanomaterials, Vol.1, No.2,pp.5-8,2013.
5. K.V.Pavani, N.Srujana, G.Preethi, T.Swathi. Synthesis of copper nanoparticles by *Aspergillus* species. Letters in Applied NanoBioscience, Vol.2, Issue.2, pp.110-113,2013.
6. Gayathamma K., K.V.Pavani, Aparajitha Banerjee, Shah Suresh. Silver nanoparticles synthesis using extracts of *Clitorea ternatea* flowers. International Journal of Current Research Vol. 5, Issue, 04, pp.848-850, April, 2013.
7. K.V.Pavani, Gayathamma,K., Aparajitha Banerjee, Shah Suresh. Phytosynthesis of silver nanoparticles using extracts of *Ipomea indica* flowers. American journal of nanomaterials, Vol.1, No.1,pp.5-8,2013.



8. K.V.Pavani, T.Swathi, V.snehika, K.sravya , M. sirisha.Phytofabrication of lead nanoparticles using grape skin extract.International journal of engineering science and technology.Vol.4,No.7,pp.3379-3383, July(2012)
9. K.V.Pavani, Gayathamma K,N.Sunil Kumar. Plants as ecofriendly nanofactories –A review.Journal of Bionanoscience, Vol.6, pp.1-6,2012.
10. Gayathamma K., K.V.Pavani,Raji,R. Chemical constituents and antimicrobial activities of certain plant parts of *Sauropusandrogynus* L.International journal of pharma and Biosciences.Vol 3/Issue 2/April – June 2012.
11. K.V.Pavani, N.Sunil Kumar, B.B.Sangameswaran. Synthesis of lead nanoparticles by *Aspergillus species*. Polish journal of Microbiology.Vol.61, No.1,pp-61-63,(2012).
12. K.V.Pavani, K.Kalia, Gayathamma,K. Iron accumulation by *Bacillus circulans*. Asian journal of Microbiol.Biotech.Env.Sci.Vol.13,No.2,pp-85-88,(2011).
13. K.V.Pavani, Gayathamma,K. Bioaccumulation of manganese by *Bacillus circulans* from aqueous solutions.Journal of Environmental Research and Development.Vol.5,No.4,pp.933-938,(2011).
14. K.V. Pavani, K. Balakrishna and Nagarjuna Reddy Cheemarla.Biosynthesis of Zinc Nanoparticles by *Aspergillus species*.International journal of Nanotechnology and Applications.Vol.5,No.1,pp.27-36,(2011).
15. K.V.Pavani, K.Kalia, Gayathamma,K.Influence of manganese on iron accumulation by *Bacilluscirculans*.International journal of engineering science and technology. Vol.3,No.3,pp.2530-2535,March(2011).
16. K.KiranKalia, K.V.Pavan, Jagdish Patel and Prernapatel. Cell envelop protein induction in *Bacillus Coagulans* by accumulation of Lead and Cadmium. Asian Journal of Microbiology,Biotechnology and Environmental science. Vol.5, No(4) 529-532(2003).

### National

1. K.V. Pavani, V. Divya, I. Veena, M. Sravanthi, D. Chandana, B. Pooja Naidu, K.SanjanaBiochemical Responses of *Cicerarietinum*Seedlings to Zinc And Bioengineered Zinc Nanoparticles Stress.Helix Vol. 1:483- 486 (2014).
2. K.V.Pavani, N.Sunil Kumar, E.Saranya, I.Sravya and P.Jaswitha. Submerged fermentation of corn waste for production of Carboxy methyl cellulase from *Aspergillus species*. Journal of Biochemistry and Biotechnology, Vol.4 No.2, pp.80-86 June 2013.





3. S Vishnupriya, ChHemaBindu, A Sandhya, K. V. Pavani, N.Sunil Kumar .Role of GST M1 and T1 polymorphism in the development of Myopia.The IUP journal of Biotechnology.Vol.V,No.2,(2011).
4. ChHemaBindu, ASandhya, K. V. Pavani and S Vishnupriya.Substantial risk factor of GSTP gene polymorphism with Myopia .The IUP journal of genetics and evolution.Vol.4, No.1,pp.20-26,(2011).
5. K.KiranKalia, K.V.Pavani. Accumulation of cadmium by *Bacillus Coagulans*. Indian .J.of Toxicology vol. 8(2) PP93-98 (2001).
6. K.V.Pavani,K.KiranKalia.Accumulation of Lead by *Bacillus coagulans*.Journal poll Res .15(2):173-175(1996 ).
7. K.KiranKalia, K.V.Pavani. Metal-metal interaction free radical formation as a mechanism of toxicity, *pure.Appli.Sci.Pragna*.Vol.2:1-5,(1993).

### Conference Proceedings

#### International

1. Biochemical Responses of *Cicerarietinum* Seedlings to Zinc and Bioengineered Zinc Nanoparticles Stress in DNA2013, 5<sup>th</sup> International Conference on EMERGING TRENDS IN APPLIED BIOLOGY,BIOMEDICINE AND BIOFORENSICS, held at University of Hyderabad, on November 30-01,2013.
2. Paper presented on in 3<sup>rd</sup> International Conference on Medicinal Plants and Herbal Products on 19-21 December 2011, held at Institute of indigenous Medicine, University of Colombo, Sri Lanka

#### National

1. Paper presented on Iron accumulation of *Bacillus Circulans* in the presence of manganese in 24<sup>th</sup> Annual International Conference of NESAI, New Delhi, held on 28-29 December 2011, organized by Presidency college, Bangalore. .
2. Paper presented on "Biochemical Responses of *Cicerarietinum* Seedlings to Zinc and Bioengineered Zinc Nanoparticles Stress" in DNA2013, 5<sup>th</sup> International Conference on "EMERGING TRENDS IN APPLIED BIOLOGY,BIOMEDICINE AND BIOFORENSICS" held at University of Hyderabad, on November 30-01,2013.



**Dr. K. KrishnamRaju (ID-839) Associate Professor**

**Qualifications:** Ph.D (Biochemistry) (University of Mumbai / Bhabha Atomic Research Centre, 2008), M.Sc (Genetics & Plant breeding)(A. N. G. Ranga Agricultural University, 2002).

**Experience:** 7years

**Research Interest:** Molecular biology of Apoptosis in unicellular systems.

**Journal Publications / Conference Proceedings : 11**

**Journal Publications**

**International**

Total cumulative impact factor of all the four journals is **15.585** .

1. Kalidindi K. Raju, Sumathi Natarajan and Sunil Kumar N, Anil Kumar.D, Role of cytoplasmic deadenylation and mRNA decay factors in yeast apoptosis, FEMS Yeast Research, Vol:15, Issue 1, pp1–11; Online ISSN: 1567-1364, February, 2015.
2. SatyendraGautam, KalidindiRaju and M. ZafriHumayun (2012) "SOS induction and mutagenesis by dnaQ missense alleles in wild type cells" Journal name: Mutation Research; Volume: 735; pages: 46– 50.
3. AshisChowdhury, Kalidindi K. Raju, SwathiKalurupalle, and Sundaresan Tharun (2012) Both Sm-domain and C-terminal extension of Lsm1are important for the RNA-binding activity of the Lsm1–7–Pat1 complex. Journal name: RNA, Volume:18; pages:936-944.
4. News Article: Atlanta based Health and Medicine News article News Rx Aug 13, 2007 New data from K KRaju et al illuminate research in Microbiology.
5. Genebank Submission: Cloned and sequenced 2.631 kb polysaccharide deacetylase gene, partial cds from *Xanthomonascampestrispv. glycines*Strain AM2.(Genbank accession no. DQ394570) Authors: Raju, K. K., Misra HS, and A. Sharma; Year: 2007.
6. Raju, K. K., Misra, H. S, and A. Sharma (2007)Xanthomonascaspase displays an inherent PARP-like activity. (Journal Nmae: FEMS Microbiology Letters Volume 272, pp. 259-268(10).



7. Raju, K. K., S. Gautam, and A. Sharma (2006) Molecules involved in the modulation of rapid cell death in *Xanthomonas*. *Journal of Bacteriology*. 188: 5408-5416.

### Conference Proceedings

#### International

1. Paper Presentation in the 7<sup>th</sup> international conference on yeast biology held at IIT Mumbai, December 10-13<sup>th</sup>, 2011. Title of the paper: Role of LSM1 in mRNA decapping and degradation, page # 13; Volume No. 7.
2. Presented invited seminar at WOBRI, Biopolis; Singapore on 21<sup>st</sup> Feb, 2007. Topic: The multiple roles of neuregulins in human brain.

#### National

1. Attended national conference on proteomics and expression systems held at CCMB Hyderabad 2006.
2. Poster presentation in the DAE BRNS symposium on molecular biology of stress Response held at BARC, Mumbai; Dec 2005.

Topic: molecules modulating PCD in *Xanthomonas*, Poster No. 45.



**Ms.M.SuhasiniGoldameir** (ID-1113), Asst. Professor in Biotechnology

**Qualifications:** M.Tech (Biotechnology) (JNTU-H, December 2010), B.Tech biotechnology (JNTU-H, 2008)

**Experience:** 1 year

**Research Interest:** Regenerative medicine, Fermentation studies, Ecofriendly novel products synthesis, etc.

#### Journal Publications /Conference Proceedings: 03

1. Published paper on "Rifamycin B production improvement studies" at AP Science Congress 2010 conducted by JNTU-Hyderabad and AP Akademi of Sciences.
2. Published a paper "Production of Rifamycin SV from immobilized cells of *Amycolatopsis mediterranei* OVA5" at the National conference on "Biotechnology perspectives in the new millennium" conducted at SNIST, Hyderabad.
3. Published a paper on "Ecofriendly production of Rifamycin B" at workshop on "Pollution in Greater Hyderabad".



**Dr.N.SUNIL KUMAR** (ID-584), ASSOCIATE PROFESSOR & HEAD DEPARTMENT OF BIOTECHNOLOGY

**Qualifications** : Ph.D IN LIFE SCIENCE (GENETICS), Osmania University, 1993, M. Sc GENETICS Osmania University, 1984.

**Experience** : 14 years Industry, 8 years Teaching

**Research Interest** : Environment Biotechnology, Molecular Biology and Genetic Engineering.

**Research Guide:** Co-guide for 4 JNTUH registered scholars

**Journal Publications/Conference Proceedings:11**

#### Journal Publications

##### International

1. Chaitanya. K, Mahmood. S. K , Rana Kausar, **Sunil Kumar. N**, Biotechnological Production of Polyhydroxyalkonates by Various Isolates: A Review, International Journal of Pharmaceutical Science Invention Volume 3 Issue 9, September 2014, PP.01-11; ISSN (Online): 2319 – 6718, ISSN (Print): 2319 – 670X,. [AQJ Impact Factor 1.695 :2013; h-Index-10]
2. Chaitanya.K, Mahmood.S.K, Ranakausar, **Sunil Kumar. N**, Polymer producing bacteria showing siderophore with chrome azurol S (CAS) agar plate assay, International Journal of Scientific and Research Publications, Volume 4, Issue 12, p 1-3, December 2014; ISSN 2250-3153, [Impact Factor 1.22 :2013]
3. Ch. HemaBindu, S. Vishnupriya, A. Sandhya, K.V. Pavani, **N. Sunil Kumar**, Role of GSTM1 and T1 polymorphism in the development of Myopia, IUP Journal of Biotechnology, P 50-63, 2011.
4. Synthesis of Lead Nanoparticls by Aspergillus species, K.V. Pavani, **N. Sunil Kumar** and B.B. Sangameswaran, A Short Communication, Polish Journal of Microbiology,2012, Vol. 61, No 1, 61–63.
5. K.V.Pavani, Gayathamma K, **N. Sunil Kumar**. Plants as eco friendly nano factories –A review. Journal of Bionanoscience, Vol.6, pp.1-6, 2012.
6. K.V.Pavani, **N.Sunil Kumar**, B.B.Sangameswaran. Synthesis of lead nanoparticles by Aspergillus species. Polish journal of Microbiology. Vol.61, No.1,pp-61-63,(2012).



7. K.V.Pavani, Gayathamma, K., **N. Sunil Kumar**. Optimization of culture conditions affecting Carboxy methyl cellulose production by *Aspergillus* species. *World Journal of Agriculture Research*. Vol. 1, No. 4, pp. 65-69, 2013.
8. K.V.Pavani, **N. Sunil Kumar**. "Adsorption of iron and synthesis of iron nanoparticles by *Aspergillus* KVP- 12". *American journal of nanomaterials*, Vol.1, No.2, pp.5-8, 2013.
9. K. V. Pavani, **N. Sunil Kumar**, "Adsorption of Iron and Synthesis of Iron Nanoparticles by *Aspergillus* Species Kvp 12". *American Journal of Nanomaterials*, 2013, Vol. 1, No. 2, 24-26 DOI: 10. 12691/ajn-1-2-2 Available online at <http://pubs.sciepub.com/ajn/1/2/2> © Science and Education Publishing.

### Conference Proceedings

#### International

1. **N. Sunil Kumar**, B.K. Sahay, Mohammed Ishaq, Serum Ceruloplasmin in Diabetes mellitus: A Comparative Analysis, *Keystone Symposium Poster No.407*, 1996.
2. ParveenJahan, PrasannaLatha.K, **Sunil Kumar. N**, Sailaja. B, Gazala A Khan, M.Ishaq, Increased Frequency of Haptoglobin Phenotypes with Alpha chains in type-2 diabetes: A meta analysis. XXXIII Annual conference of ISHG, Poster No.39, 2008.



**Dr. Mrs. D. Sailaja** (ID-211), Professor & Dean  
Entrepreneur Development Cell

**Qualifications:** Ph.D in Genetics, Osmania University, PhD completion in 1997, M.Sc (Genetics) Osmania University

**Experience:** 22 years

**Research Interest:** Genetics Plant biotechnology Natural Products.

**Journal Publications/Conference Proceedings: 18**

#### Journal Publications

##### International

1. Chitrani Niratker, **D.Sailaja**, International Preliminary Phyto chemical Screening and Evaluation of Antimicrobial activity of *Buchnanania lanzan* (Chironji) from Chattishgarh, *World Journal of Pharmaceutical Research*, Vol.3 (9), p 514-522, ISSN 2277-7105, November, 2014. [SJIF Impact Factor: 5.045; Citations 4]



2. P. Srilakshmi, **D.Sailaja**, Estimation of Protein Content and Phytochemical studies in Coco fruit outer covering. International Journal of Plant, Animal and Environmental Sciences, Volume-5, Issue-1, p 111-115, ISSN 2231-4490, Jan-Mar-2015, [Universal Impact Factor: 1.0280]
3. Preparation of Vermicompost from Temple Waste flowers **Dr.D.Sailaja**, P.Srilakshmi\*, Shehanaaz, H.Priyanka, D.LavanyaBharathi, Ayesha Begum(International Journal of Science Innovationsand discoveries) Volume 3 Issue 3 May –June 2013 **p367-375**.
4. Estimation of Level of Carbohydrates in Mealey Bug (*Macenelli coccushirsutus*) infected stem of hibiscus rosasinesis**D Sailaja** , V Laxmi ( International Journal of Applied biology and Pharmaceutical Technology ) Volume 3 Issue 3 April 2012 .p 410- 413.
5. Nutrient Content of Khoa samples prepared from azolla and non-azolla feed cow milk. Laxmi V, **Sailaja D**( International Journal of Biology , pharmacy & Allied Science ) April 2012. 1(13) 364-369.
6. Physicochemical studies in pongamia pinnate Galls infected with fungus**DSailajasrilaxmi**, (International Journal of applied Appliedbiology and Pharmaceutical Technology )Volume 2 Issue April June 2012.
7. Quantitative estimation of carbohydrate in insects induced and fungal infected leaf galls of pongamiapinnata. **D Sailaja** (Internatinal Journal of plant animals & environmental Sciences ) Volume 12 issue 2 April 2012.
8. Impact of MealeyBug, Infection on Biochemical impact of hibiscus Rosa sinesis . **D Sailaja**International Journal of applied Biology & Pharmaceutical Technology, Volume 3 Issue 2 April June 2012.
9. Utilization of domestic waste water treatment sludge as a fertilizer for nonedible plants and ornamental plants. Chatterjee et al,**D Sailaja** , Journal of Eco biotechnology 2012 4(2) P.no 149-150.
10. Isolation & Biochemical Characterization of bacteria from vegetable waste for Organic Acid Production, Mishra et al **DSailaja** Journal of Eco Biotechnology 2012 4(2) 124-126.
11. Principle of materialistic Monism, **D Sailaja et al** Intr. Jr. Of Systematics & Cybernetics Volume 1 2006 P no 30.
12. In vivo cytogenetic action of furfural on meiotic cell of mouse. **D Sailaja et al**,Environmental molecular mutagenesis Vol 14 suppl 15 p no 239 1989.
13. In vivo cytogenetic action of 5 methyl furfural on bone marrow cells of mouse **D Sailaja**& S Subramanyam , Genome Vol 20 ( suppl) 1988 P no 272.

## Conference Proceedings

### National

1. Genotoxic Potential of furfural using multiple parameter, **D Sailaja**, NTP report 1989-90.
2. Cytogetic evaluation of action of 2 methyl furan in mouse test system , **D Rathnaprabha, D Sailaja** , National seminar on cell biology Jan 16-18 1978 Mysore PP 52.
3. Cytogenetic action of 2 methyl furan on bone marrow cells of mouse **D Ranaprabha , D Sailaja** All india Conference on Cyology & Genetics , Dec 28-30 1988 Warangal 54-60.
4. In Vivo Cytogenic response of somatic cells in mice to 2,5 Dimethyl furan **D Rathnaprabha, D Sailaja** . National Symposium on recent trends in genetic research April 28-30 1988 Hyderabad P no 44.
5. Response of somatic cells in mice to cumulative doses of quinine. **D Sailaja Beaula Helen**, XI national conference of Environmental mutagen Soc Feb 20-22 1986 Madras p 28-29.



### **A.C.P. Chowdary**, Assistant Professor (ID:280)

**Qualifications:** M.Sc. (Bio Engg) Anna University, Chennai(2004), M.Tech (Biotechnology) JNTU-H, 2010.

**Experience:** 11 years

**Research Interest:** Bioprocess Engineering

**Journal Publications/Conference Proceedings:** 01

**Journal publications**

### International

1. Principle of Materialistic Monism: **D Sailaja et al** Intl. Jrl. Of Systemics, Cybernetics & Informatics Volume 1 2006, pp 30.

# DEPARTMENT OF BASIC SCIENCES

## INTRODUCTION

The Department of Basic Sciences is devoted to foster the fundamental principles and understanding of science that are capable of enhancing the human experience. The academic programs of this department are organized to meet the requirements of the fast growing technology. The Department has been there, right from the inception of the College, offering instruction in Mathematics, Physics and Chemistry to students of the various core branches of engineering.

“Delivering a transformative education is the core mission of basic science”

The department of mathematics has been training students on application software like MATHEMATICS and MATLAB. It also runs a forum “ADVANCED ACADEMIC CENTRE” and leading resource persons visit the college under this forum.

The department is strengthened with a total of 36 faculties out of which 4 are Doctorates and 10 are pursuing PhD's.



## Doctorates in Basic Science

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1	Dr.S.Ramamurthy	2007	9
2	Dr.R.Subrahmanyam	1985	7
3	Dr.B.Ramakrishna Reddy	2006	5
4	Dr.C.R. Venkateswara Rao	1995	26
5	Dr.B.Srinivasa rao	1993	48

### FACULTY AND THEIR PUBLICATIONS :



**Dr.S. Ramamurthy** (ID:184)

**Qualifications:** M.Sc, Phd (Maths)

**Experience:** 24 yrs

**Research interest:** Approximation theory

**No. of Journal Publications/Conference Proceedings:** 3

**Journal Publications**

#### International

1. International Journal, **Parametric fitting of non function like curves by minmaxtion and minaddition** International Journal Of scientific & Innovation Mathematical research (IJSIMR) ISSN 2347-307X, 3/1/2014.
2. Curvature **Presenting Piece Wise Approximation Of Closed Curves BY Minmaxtion** in International Journal Of Applied Mathematics &Statistical science (IJAMSS) ISSN 2347-307X,7/1/2014.
3. **Connective Stem Determination by Minmaxion in** International journal of Modern Sciences and Engineering Technology(IJMSET) International journal of Modern Sciences and Engineering Technology(IJMSET) ISSN 2349-3755 ,14.



**Dr. C.R.VENKATESWARA RAO** (ID :1314)

**Qualifications:** M.Sc, Phd (chemistry), POSTDOCTORAL

**Experience:** 18 yrs

**Research Interest:** 'Synthesis, Characterization and Superconductivity Studies of Single Crystals of High T Oxides and Fullerenes'.

**No. of Journal Publications/Conference Proceedings:** 27

### Journal Publications

#### International

1. Growth, characterization and superconductivity studies on  $\text{CaLaBaCu}_3\text{O}_{7-x}$  single crystals, C.R.Venkateswara Rao, P.Murugakoothan, R.Jayavel, C.Subramanian and P.Ramasamy, *J.Mater.Sci.Lett.*, 11 (1992) 145-147.
2. Growth of  $\text{CaLnBaCu}_3\text{O}_{7-d}$  (Ln=La, Pr and Nd) single crystals by the flux technique, C.R.Venkateswara Rao, P.Murugakoothan, R.Jayavel, C.Subramanian and P.Ramasamy, *Supercond.Sci.Technol.*, 6 (1993) 443-446.
3. Tunneling studies on single crystals of superconducting  $\text{Bi}_2\text{Ca}_{1-x}\text{Y}_x\text{Sr}_2\text{Cu}_2\text{O}_{8+y}$  H.Srikanth, A.K.Raychaudhuri, C.R.Venkateswara Rao, P.Ramasamy, H.N.Aiyer and C.N.R.Rao, *Physica C* 200 (1992) 372-376.
4. Structural and crystal field studies on a single crystal of  $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ , S.Uma, T.Sarkar, M.Seshasayee, G.Rangarajan, C.R.Venkateswara Rao and C.Subramanian, *Solid State Comm.*, 87 (1993) 289-293.
5. Growth of YBCO and NBCO single crystals, P.S.Kumar, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Mod.Phy.Lett.B*, 4 (1990) 1289-1294.
6. Preparation and characterization of  $\text{BiSrCaCuO}$  through glassy route, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian, P.Ramasamy, A. Chakravarti, R.Ranganathan and A.K.Raychaudhuri, *Solid State Comm.*, 79 (1991) 421-424.
7. Growth and morphology studies of  $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$  single crystals, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Mat.Res.Bull.*, 26 (1991) 945-950.
8. Growth and characterization of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2-x\text{Ni}_x\text{O}_8$  single crystals, P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Mod.Phy.Lett. B* 5 (1991) 1989-1995.
9. Superconductivity and morphological studies on  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$  single crystals grown from stoichiometric and nonstoichiometric melts,



- R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian, P.Ramasamy, B.V.Kumarasamy and A.V.Narlikar, *Bull.Mater.Sci.*, 14 (1991) 1343-1348.
10. Growth and characterization of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$  by floating zone method, P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Mat.Chem.Phys.*, 31 (1992) 281-284.
  11. Crystal growth of high temperature superconductors, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Indian J.Pure and Appl.Phys.*, 30 (1992) 502-510.
  12. Textured growth and orientation dependence of hardness measurement on superconducting  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ , P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *J.Mat.Sci.Lett.*, 11 (1992) 1650-1652.
  13. Growth of large size single crystals and whiskers of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$  by step cooling method, R.Jayavel, C.Sekar, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *J.Crystal Growth*, 131 (1993) 105-110.
  14. Growth of superconducting  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$  single crystals using  $\text{K}_2\text{CO}_3$  flux, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Supercond.Sci.Technol.* 6 (1993) 349-352.
  15. Growth and characterization of bulk-textured  $\text{Bi}_2\text{Ca}_{1-x}\text{Y}_x\text{Sr}_2\text{Cu}_2\text{O}_8$  by the float zone technique, P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Supercond.Sci.Technol.*, 7 (1994) 367-371.
  16. Growth of large size twin free  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  single crystals by a temperature gradient, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *J.Crystal Growth*, 137 (1994) 273-277.
  17. Growth and characterization of  $\text{C}_{60}$  single crystals from pure  $\text{C}_{60}$  and fullerite, C.Sekar, C.R.Venkateswara Rao and C.Subramanian, *Fullerene Sci.Technol.* 3 (1995) 343-358.
  18. Growth of  $\text{C}_{60}$  single crystals from cyclohexane and vapour and their characterization, C.Sekar, C.R.Venkateswara Rao and C.Subramanian, *Phys.Stat.Sol.(a)* 151 (1995) 9-15.
  19. Magnetic and transport studies on  $\text{RIrAl}$  ( $\text{R}=\text{Y}, \text{La}, \text{Ce}, \text{Pr}$  and  $\text{Nd}$ ) compounds : mixed-valent behaviour of  $\text{CeIrAl}$ , N.Harish Kumar, Latika Menon, C.R.Venkateswara Rao, S.K.Malik, P.Raj, A.Sathyamoorthy and K.Shashikala, *Solid State Comm.*, 109 (1999) 345-349.
  20. Synthesis and properties of bitetraselenafulvalene, Masahiko Iyoda, Kenji Hara, C.R.Venkateswara Rao, Yoshiyuki Kuwatani, Kazuo Takimiya, Atsushi

- Morikami, Yoshio Aso, and Tetsuo Otsubo, *Tetrahedron Letters*, 40 (1999) 5729-5730.
21. The hydriding behaviour of UFe<sub>1-x</sub>NixAl system (0<x<0.75) and magnetic studies on UFe<sub>1-x</sub>NixAlH<sub>0.8</sub> P. Raj, A. Sathyamoorthy, K. Shashikala, N. Harish Kumar, C. R. Venkateswara Rao and S. K. Malik, *J. Alloys Compd.* 296(1-2), 20-26 (2000).
  22. Hydride phases, structure, and magnetic properties of UNiAlHy system P. Raj, K. Shashikala, A. Sathyamoorthy, N. Harish Kumar, C. R. Venkateswara Rao, and S. K. Malik., *Phy. Rev. B* 63 (2001) 94414-1
  23. CeIrGaHy system : Hydrogen induced structural and valence change P. Raj, K. Shashikala, A. Sathyamoorthy, C. R. Venkateswara Rao, and S. K. Malik., *Solid State Comm.*, 120 (2001) 375-378
  24. U(Fe<sub>1-x</sub>Nix)AlHy system : new hydride phases, structural and magnetic properties, P. Raj, K. Shashikala, A. Sathyamoorthy, N. Harish Kumar, C. R. Venkateswara Rao, and S. K. Malik., *Physica B*, 312-313 (2002) 885-887
  25. Hydriding of the mixed-valent compound CeRhIn: structural and magnetization studies, P. Raj, K. Shashikala, A. Sathyamoorthy, C. R. Venkateswara Rao, D. Kundaliya and S. K. Malik., *J. Alloys Comp.* 345 (2002) L1-L3
  26. Spin pseudogap in La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4</sub> studied by neutron scattering, C. H. Lee, K. Yamada, H. Hiraka, C. R. Venkateswara Rao, Y. Endoh, *Phys. Rev. B*, 67, 134521 (2003)
  27. Crystallization of self-assembled polyoxovanadate nano-clusters by diffusive mixing of VO<sup>2+</sup> and VO<sub>4</sub><sup>3-</sup> in aqueous medium (submitted).



**V. N. Rama Devi (ID : 654)**

**Qualifications :** Associate Professor

**Experience :** 14 years

**Research Interest :** Queuing theory

**No. of Journal Publications/Conference Proceedings :**  
International

1. Rama Devi V.N and Chandan.K. Optimal Strategy Analysis of Two-Phase, N-Policy of M/EK/1 Queuing System with System Break -Downs and Balking, *International Journal of Sciences: Basic and Applied Research (IJSBAR)* ISSN 2307-4531 (IJSBAR) (2014) Volume 16, No 1, pp 455-474

2. Rama Devi V.N and Chandan.K. Optimal control of two-phase MX/Ek/1 queueing system with server Start-up, N-Policy, unreliable server and Balking, International Journal of Scientific and Research Publications, Volume 4, Issue 6, June 2014 1 ISSN 2250-3153, Volume 4, Issue 6, June 2014.
3. Rama Devi V.N and Chandan.K. Optimal Control of Two-Phase MX/M/1 Queueing System with Server Start-Up, N-Policy, Unreliable Server and Balking, The International Journal Of Science & Technoledge (ISSN 2321 – 919X), Vol 2 Issue 5 May, 2014,pp 214-226
4. Rama Devi V.N and Chandan.K. Optimal control of two-phase M/M/1 queueing system with server Start-up, N-Policy, unreliable server and Balking, The International Journal Of Engineering And Science (IJES) || Volume || 3 || Issue || 4 || Pages || 59-69 || 2014 || ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805

### Conference Proceedings

#### International

1. Presented a paper in International conference on STATISTICS & INFORMATION TECHNOLOGY FOR A GROWING NATION from 22 Nov-2 Dec, 2014, Sri Venkateswara University, Tirupati, A.P.

#### National

1. Presented a paper in National conference on “Mathematical And Applications-2011”, Dhule, Maharashtra, India.



**Mr. M. Sreedhar, Associate Professor,  
Dept. of Physics (ID : 482)**

#### Qualifications:

Ph.D (Physics) (JNTU-H, in progress, Registered 2010),  
M.Tech (Energy Management) (SVU Tirupati-2002),  
M.Sc (Solid State Physics)(Acharya Nagarjuna University-2000).

**Experience: 12 Years**

**Research Interest :** Electromagnetism, Materials Science.

**No. of Journal Publications/Conference Proceedings : 02**

**Journal publications**

## International

1. Presented and Published research paper titled “**Effect of Thermal Treatment of a Ferro Magnetic Core on Induced EMF**” at **3<sup>rd</sup> International Conference on Materials Processing and Characterization organized by ICMP2014** at GRIET on 8<sup>th</sup> & 9<sup>th</sup> March 2014 and the same paper is published in **International Journal Procedia Materials Science, Elsevier**.

## Conference proceedings

### National

1. Presented and Published research paper titled “**Thermo Magneto Electric Effects due to Ferromagnetic Material**” at the **National Conference on Applied Physics and Materials Science** organized by Department of Physics, Vasavi College of Engineering on 19<sup>th</sup> & 20<sup>th</sup> July 2013.



**K. Vagdevi**, Assistant Professor of Physics (ID:393)

**Qualifications** : Ph.D (Physics) (JNTUA, inprogress, Registered 2010), M.Tech (Space Tech&Applicatios) (S.V.U,2003), M.Sc (SVU,2001).

**Experience:** 10 years

**Research Interest:** Condensed Matter physics, Fiber optics

**No. of Journal Publications/ Conference Proceedings** : 10

## Journal Publications :

1. **K.Vagdevi, Dr. V.Radhika Devi** “First Principles Study of Interactions of Graphene Layer Adsorbed with Beryllium” International Journal of Advanced Research in Physical Sciences, ISSN:2349-7882, 01-07-2015.
2. **K.Vagdevi, Dr. V.Radhika Devi Dr.K.Venkateswara Rao** “Study of Structural, Electronic and OPTICAL PROPERTIES OF PURE GRAPHENE and GRAPHENE ADSORBED WITH BERYLLIUM ATOMS FORM DFT CALCULATIONS”, International Journal of Atoms and Molecules, ISSN: 2277-1247, 01-06-2015.

## Conference Proceedings

### International:

1. K.Vagdevi “Negative Differential Conductance in Graphene Layer adsorbed with Beryllium”, Materials today Proceedings,Elsevier Publications, GRIET, Hyderabad June 30, 2016



2. K.Vagdevi "First Principle study of Tunable band gap in Bilayer Graphene (BLG)", Materials today Proceedings, Elsevier Publications, March 30, 2015, MLRIT, Hyderabad.

#### **National**

1. K.Vagdevi, "A study on interaction between Bilayer Graphene and SiO<sub>2</sub> surface using DFT Calculations" Proceedings of National Conference on Materials for Specific Applications. 29-30 March 2016, GRIET, Hyderabad.
2. K.Vagdevi, "Photo Degradation of Methylene Blue in Water: using Al<sub>2</sub>O<sub>3</sub> Nanoparticles" Proceedings of second National Conference on water, Environment and Society at JNTU Hyderabad (2015).
3. K.Vagdevi, "Study of Negative Differential Conductance in Graphene Layer Adsorbed with SnCl<sub>4</sub> by using DFT Calculations" Proceedings of Third National Conference on Applied Physics and Materials Science. Aug 7 2-8 2015. Hyderabad.
4. K.Vagdevi, "DFT Calculation of SnCl<sub>4</sub> adsorption on graphene" in Proceedings of Second National conference on Applied Physics and material Science ISSN 978-93-82570-37-01-2, August 2014. Hyderabad.
5. K.Vagdevi, "Analysis of Polarised modes in Silica Fibers" Proceedings of National Conference on Applied Physics and Materials Science. July 19-20 2013
6. K.Vagdevi, "Glass embedded Nano particles" in National Conference at JNTUH, 2012.

**No. of Journal Publications/ Conference Proceedings : 10**

#### **Conference Proceedings**

##### **National**

1. K.Vagdevi, " Analysis of polarised modes in glass fibers" 2012.
2. DFT Calculation of SnCl<sub>4</sub> adsorption on graphene in Applied Physics and material Science ISSN 978-93-82570-37-01-2, August 2014.



**Rekha P.M, Assistant Professor in English(ID:916)**

**Qualifications :**Ph.D (JNTUH Reg.2012) M.A Literature( Osmania University, Hyderabad, 2001) ,B.A Literature (Mahatma Gandhi University, Kerala,1996 ).

**Experience:** 13+ years

**Research Interest:** American Literature

**Conference Proceedings In ternational**

1. Participated in the Three Days International Conference conducted by British Council and English Foreign Languages university, Hyderabad on English Language Teacher Education in a Diverse Environment in 2013
2. International Journal Human Circumscription in decoding the sense of grace :A Study of O'Connor's short stories "The River" and "A Temple of the Holy Ghost "Literacy endeavour Journal ISSN 0976299X 10/4/2015



**P. Sujeetha Rao,**

**Asst.Professorin English (ID:621)**

**Qualifications :** Ph.D ( Indian Literature pursuing, reg OU 2013), M.A Lit ( English Language Teaching) (OU Hyderabad-2003) , B.Sc (Computers) (OU Hyderabad-1997)

**Experience :** 11 years

**Research Interest:** Modern Drama

**No. of Journal Publications/Conference Proceedings : 01**

**Certifications**

1. Post Graduation Certificate in Teaching English (EFLU Hyd-2006).
2. Certificate Programme in " **Enriching Soft Skills and Communicative Skills**" conducted by OUCIP,OU. (June 2013).

**Conference proceedings**

**National**

1. "The Frontiers of English Literature & The Patterns of English Language Teaching" organized by MGIT Hyd. (9 & 10 Nov, 2012). "English for Engineers acts as a tool to build a career"

**International**

1. International Conferences conducted by EFLU in Collaboration with British Council 2010, 2011 & 2013.





**R. Lakshmi Kanthi**, Asst. Professor in English (ID:718)

**Qualifications** : PhD (English) (JNTU-H, in progress, Registered 2010), PGCTE (EFLU, Hyderabad), M.A (English Litt.) (Andhra University, 1983), B.A (English Litt)(AU, 1981)

**Experience:** 28 years

**Research Interest** : Contemporary Indian Writing in English & Commonwealth Literature

**No. of Journal Publications/Conference Proceedings** : 4

#### Conference Proceedings

##### International

1. Lakshmi Kanthi R, 'Jhumpa Lahiri's "Unaccustomed Earth" : A panacea for multicultural and global inhabitants', An International Conference conducted by Osmania University Centre for International Programmes & Indian Society for Commonwealth Studies.
2. International Conferences conducted by EFLU in Collaboration with British Council 2010, 2011 & 2013

##### National

1. Lakshmi Kanthi R, "Portrayal of evolution of second-generation female immigrants: Jhumpa Lahiri's "Temporary Matter" and "Blessed House", a national conference on Rethinking the Role of Humanities in Technical Education Pedagogies and Possibilities (October 18-19, 2013) Organized by Department of Languages and Humanities BITS Pilani, Hyderabad campus
2. Lakshmi Kanthi. R, "Use of Internet in Teaching English Language" -An Analysis, a national conference On 'A Paradigmatic shift in ELT: Empowerment of the English Classroom'(1&2 February 2013) conducted by Vasavi College of Engineering, Ibrahimbagh, Hyderabad.
3. Lakshmi Kanthi. R, Significance of English and Employability Skills for Engineering Students, a national conference on The Frontiers of English Literature & The Patterns of English Language Teaching (9 - 10 November 2012) Organized by Discipline of English Studies, Dept. of M & H, Mahatma Gandhi Institute of Technology Gandipet, Hyderabad & ELTAI, Hyderabad Chapter



**Mrs. V. LakshmiPrasanna**, Asst. Professor in English (ID:665)

**Qualifications:** Ph.D (English, JNTUH, in progress, Registered 2007), M.A (English Litt., Sri Padmavathi MahilaViswaVidyalaya 1992), B.A(English Litt.ANU, 1990) M.Ed.,(MKU,2001)

**Experience:** 22 years

**Research Interest:** Indian Writing in English

**No. of Journal Publications / Conference Proceedings : 12**

#### Journal Publications

##### National

1. **Mrs. LakshmiPrasanna. V.** Paper published in National Journal 'Triveni', "Images of women in the novels of NayantaraSahgal"

#### Conference Proceedings

##### International

1. Mrs. LakshmiPrasanna. V., Participated and Paper Presented on International Conferences conducted by EFLU in Collaboration with British Council 2010, 2011 & 2013.
2. Mrs. LakshmiPrasanna. V., Paper Presented on "Teaching of English as a Second Language – a point of view" in International Seminar on Applied Linguistics conducted by ANU, Guntur (15-18 Dec 2010)
3. Mrs. LakshmiPrasanna. V., Paper Presented on "The Role of Email in the communication process- Netiquette in International Elt@IRajasthan Conference on Interfacing Language, Culture & Technology BITS, Pilani, Rajasthan. (8-9 Oct 2012)
4. Mrs. LakshmiPrasanna. V., Paper Presented on "The Role of Technology in Project-Based learning" in World Conference on Applied science, Engineering & Technology at Gitam University, Hyd. ( 8 March, 2013).

##### National

1. **Mrs. LakshmiPrasanna. V.** , Paper presented on "Higher Order Thinking Skills in Education", a National Conference on **Rethinking the Role of Humanities in Technical Education Pedagogies and Possibilities** (October 18-19, 2013) Organized by Department of Languages and Humanities BITS, Pilani, Hyderabad campus



2. **Mrs. LakshmiPrasanna. V.**, Paper presented on “Evaluation Tools in Education”, a National Conference On ‘A Paradigmatic shift in ELT: Empowerment of the English Classroom’ (1&2 February2013) conducted by VasavicollegeofEngineering, Ibrahimbagh, Hyderabad.
3. **Mrs. LakshmiPrasanna. V.**, Paper presented on “The Role of Modern Communication-Industry”,a National Conference on**The Frontiers of English Literature &The Patterns of English Language Teaching**(9 - 10 November 2012)Organized by Discipline of English Studies, Dept. of M & H ,Mahatma Gandhi Institute of Technology Gandipet, Hyderabad &ELTAI, Hyderabad Chapter.
4. Mrs. LakshmiPrasanna. V., Participated “National Practicum on Emerging Areas of Research in English Language &Literary studies” conducted by JNTUH (29 April, 2011).
5. “**Gandhian Idiology-its impact on Nayantara Sahgals Thinking** IJELR ISSN 2349-9451. Dec-14
6. “**Metephor,Image and symbol in the poetry of Robert Frost**”IJELLH ISSN 2321-7065, 8/1/2014
7. “**Nayantara sahgal’s Definition of New Morality and New Humanism**”IJFEL ISSN 2320-2505, 7/1/2014



**Mr. M. Aravinda Kumar**, Asst. Professor in English (ID:708)

**Qualifications:**

Ph.D (HRM, Acharya Nagarjuna University in progress, Registered in 2011), M.A. English Literature (Osmania University, Hyderabad in 2005), Post Graduate Diploma in Communicative English (University of Hyderabad, 2008), B.A. English Literature (Sri Krishna Devaraya University, Anantapur), M.Phil (ANU, Guntur 2010), MHRM (ANU, Guntur 2008).

**Experience : 8 years**

**Research Interest:** Training Practices

**Journal Publications / Conference Proceedings: 3**

1. Participated and paper presented on “The influence of HRD in APTDC- An Analysis in a national conference conducted by Acharya Nagarjuna University, Guntur in 2008. (ISBN: 978-81-922783-3-9)



2. Participated and presented a paper on “Ethical practices in Hiring- Role Played by Various Hiring Authorities” in a national conference on “Management Practices in Global Perspective” at Yogi Vemana University, Kadapa in the year 2012.
3. Participated and presented a paper on “Recent Trends in HR of Indian Youth Segement: Adapting to Global Scenario” in a national conference on “Changing Scenario of HR in India” at Acharya Nagarjuna University, Guntur in 2012.



**M.V. Sreekantha Reddy, (ID:899)**

Asst.professor (Mathematics-BS Dept)

**Qualifications** : Ph.D (Applied Mathematics) (Rayalaseema University, Kurnool, in progress, Registered 2009), M.Sc (Tech) (Systems Theorey and Industrial Applications) (JNTU University, 1998), B.Sc (MPC) (SVU, 1995)

**Experience:** 15 years

**Research Interest:** Fluid Dynamics

**No. of Journal Publications/Conference Proceedings :** 6

**Journal publications**

**International**

1. M.V.Sreekantha Reddy “Effects of chemical reaction, radiation and thermo-diffusion on convective heat and mass transfer flow of a viscous dissipated fluid in a vertical channel with constant heat flux “in Advances in Applied science Research, Pelagia Research Library, 2012, 3(5), pp :3032-3044, ISSN:0976-8610.
2. M.V.Sreekantha Reddy “Effect of Hall Currents on The Convective Heat and Mass Transfer of a Viscous Electrically Conducting Fluid through a Porous Medium Confined in a Rotating Horizontal Channel in the Presence of Heat Sources” in International Journal of Emerging trends in Engineering and Development, Issue 2, Vol.6, September 2012, pp :691-706, ISSN:2249-6149.
3. M.V.Sreekantha Reddy “Effect of Chemical Reaction and Thermo-Diffusion on Non-Darcy Convective Heat and Mass Transfer Flow in A Vertical Channel With Heat Sources” in International Journal of Mathematical Archive-3(9), 2012, pp:3380-3392, ISSN:2229-5046.

## Conference Proceedings

### National

1. M.V.Sreekantha Reddy, "XVII congress of Andhra Pradesh Society For Mathematical Sciences and National Conference on Mathematical Modelling in Emerging Technologies held from 13<sup>th</sup> – 15<sup>th</sup> Feb 2009 at Malla Reddy Engineering College, Secunderabad
2. M.V.Sreekantha Reddy, "XVIII congress of Andhra Pradesh Society For Mathematical Sciences and National Conference on Mathematical Solutions Using Soft Computing for Problems in Science and Technology held from 11<sup>th</sup> – 13<sup>th</sup> December 2009 at Mrs.A.V.N College, Visakhapatnam.
3. M.V.Sreekantha Reddy, one week national workshop on "Mathematical Modelling for Performance Oriented Heuristic Techniques and its Applications To Industry" held at M.S.Ramaiah Institute of Technology, Bangalore from 7<sup>th</sup>-11<sup>th</sup> December 2009.



### **B. Umamaheswara Rao**, Assistant Professor in chemistry (ID: 1119)

**Qualifications:** PhD (Chemistry (Andhra University, in progress registered 2010), M.Phil (Engineering Chemistry) (Andhra University College of Engineering(A), Andhra University, 2001), M.Sc (Applied Chemistry) (Andhra University College of Engineering (A), Andhra University, 1999), B.Ed (Madhurai Kamaraj University, Madhurai, 1996).

**Experience :** 11 years (Teaching), 2 Years (Industry) and 1 year Senior Research Fellow in AU

**Research Interest :** NP, Isolation, Chemical Synthesis and Bio-assays, Environmental analysis, EIA and modelling.

**Journal Publications/Conference Proceedings :** 8

### Journal publications

#### International

1. International Journal of Pharma and Bio Sciences , **SYNTHESIS, CHARACTERISATION, DNA INTERACTION AND CLEAVAGE ACTIVITY OF A NOVEL SERIES OF ISOMERIC PYRIDYL-TETRAZOLE COBALT (II) COMPLEXES**, Int J Pharm Bio Sci 2015 April; 6(2): (B) 1233 – 1242.



## National

1. Dr M Venkaiah, B Umamaheswara Rao, Bruguiera cylindrical(L.) Rhizophora apiculata BL in sarada and Varaha estuaries of Andhra Pradesh, AP Academy of Sciences, 2002.
2. Journal of Chemical and Pharmaceutical Research, 2015, 7(3):1907-1911, **Synthesis, structure elucidation and DFT studies of a new isomeric pyridyl-tetrazole derivative**, ISSN : 0975-7384, J. Chem. Pharm. Res., 2015, 7(3):1907-1911

## Conference Proceedings

### International

1. Physio-chemical microbial activity of agaricus bifcores, International conference on colligence of computer science and Biotechnology, Andhra University, Visakhapatnam, 2009.

### National

1. Physio-chemical properties of Gosthani river surface waters AP Science Congress, Osmania University, Hyderabad, 2008.
2. Economical Importance of Mangroves of North Coastal Andhra Pradesh, Indian Science Congress, Shillong, 2009.
3. Spectral, electrochemical behaviour of Alprazolam and Voltammetric assaying of pharmaceutical formulation, Journal of Chemical and Pharmaceutical Research, 2015, 7(2) : 766-771 ISSN : 0975-7384 CODEN (USA) : JCPRC5, 2014
4. Spectral, electrochemical behaviour of Alprazolam and Voltammetric assaying of pharmaceutical formulation in Journal of Chemical and Pharmaceutical Research, 2015, 7(2):766-771 ISSN : 0975-7384, J. Chem. Pharm. Res., 2015, 7(2):766-771.

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## INTRODUCTION

Department of Computer Science and Engineering was established in the year 1997. It conducts B.Tech & M.Tech programmes in Computer Science and Engineering. The Department has well- equipped laboratories. It focuses on practical applications in the field of Data Mining & Image Processing.

The Department is accredited by NBA in 2006 and in 2009. In addition to quality teaching, students are exposed to certification courses and workshops along with personality development programs. Furthermore, required training is imparted to the interested students to prepare for competitive examinations such as GATE, CAT etc. The gradual increase in the number of participants and competitors for various programs and the growing number of placements reflects the impact of these programs.

The department is strengthened with a total of 65 faculties out of which 6 are Doctorates and 14 are pursuing PhD's and 45 are holding M.Tech degree. The department has organized two International conferences in the area of computing methodologies and many workshops.



## Doctorates in CSE

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1.	Dr.K.Anuradha	2011	18
2.	Dr.A.Sai Hanuman	2012	16
3.	Dr.PVijayapal Reddy	2013	21
4.	Dr.PV.S Srinivas	2009	72
5.	Dr.G.R.Sakthidharan	2014	8
6.	Dr.ChandhraShekar Reddy	2014	8

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Prof.G.MallikarjunaRao	MODROBS	AICTE	7.5	2013
2.	Dr.PraveenKumar	R&DProject	DRDO	9.97	2011
3.	Dr. S. ViswanadhaRaju	FDP	AICTE	7	2009
4.	Dr. S. ViswanadhaRaju	SeminarGrant	AICTE	1	2009
5.	Dr. S. ViswanadhaRaju	SeminarGrant	AICTE	1.5	2009

## Research Mobilization for Research (TEQIP-II)

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr.K.Anuradha	Series of lectures in Java	TEQIP-II	37,000	2013
2.	Dr.K.Anuradha	Java Programming	TEQIP-II	47,915	2013
3.	G. Mallikarjuna Rao	System Software Development	TEQIP-II	34,000	2013
4.	P. L. Srinivasa Murthy	Android Applications	TEQIP-II	14,000	2013
5	Ch. Mallikarjuna Rao	National Conference on Emerging Trends of Computing Technologies	TEQIP-II	1,20,000	2013



## FACULTY AND THEIR PUBLICATIONS :



**Dr.K.Anuradha**, (ID-617) Professor and HOD of CSE & Dean-Academic Affairs, Vice Principal, School of Computing.

**Qualifications:** Ph. D (Computer Science and Engineering) (JNTU- Anantapur, 2011), Ph.D (Mathematics) (JNTU-Hyderabad, 2006), M.Tech (Computer Science and Engineering) (BITS -Mesra, Ranchi, 2001), M.SC (Mathematics) (Nagarjuna University, 1987).

**Experience:** 27 years

**Research Interest:** Data Mining

**Journal Publications/Conference Proceedings:** 18

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer(OCJP)  
Oracle Certified Associate(SQL,PL/SQL)(OCA) Oracle Certified Web Component Developer(OCWCD)

### Books Published

Dr.K.Anuradha, "Formal Languages & automata Theory", CBS Publishers, New Delhi.

### Journal Publications

#### International

1. Dr.K.Anradha, "**Farthest Neighbor Approach for finding initial centroids in KMeans**" International Journal of Data Engineering, 2014.
2. Dr.K.Anuradha, "**Anoverview of security architecture mining using agile Technology**" International Journal of Engineering & Science Research, 2013.
3. Dr.K.Anuradha, "**A Framework for Deep Web Crawler Using Genetic Algorithm**" International Journal of Electronics and Computer ScienceEngineering,2012.
4. Dr..K.Anuradha, "**An improved Approach for Document Retrieval Using Suffix Trees**" International Journal of Advanced Computer Science and Applications, Vol. 2, 2011.
5. Dr.K.Anuradha, "**Analysis of Stemming Algorithm for Text Clustering**", International Journal of Computer Science Issues, Vol. 8, 2011,IF: 0.242.



6. Dr. K. Anuradha , “ **Neighbor Based Text Document Clustering** “ , International Journal of Computer Science and Information Security, Vol. 9, 2011.
7. Dr.K.Anuradha,“**Rank Analysis Through Polyanalyst using Linear Regression**”, International Journal of Computer Science and Network Security, Vol. 9, 2009.
8. Dr.K.Anuradha, “**Steady Flow of a Thermo-Viscous Fluid Around a Moving Circular Pipe**”, International Journal of Computational Intelligence Research & Applications, Vol.1, 2007.
9. Dr.K.Anuradha, “ **Steady Flow of a Thermo-Viscous Fluid Between Two Parallel Plates in Relative Motion**”, International Journal of Mathematical Sciences, Vol. 5, 2006.

#### **National**

1. Dr.K.Anuradha, “**Steady Flow of A Thermo-Viscous Fluid Around and Within a Rotating Sphere**”, Indian Journal of Mathematics and Mathematical Sciences, Vol.2, 2006.
2. Dr.K.Anuradha, “**Steady Flow of A Thermo-Viscous Fluid Through A Moving Circular Pipe**”, Indian Journal of Mathematics and Mathematical Sciences, Vol. 2, 2006.

#### **Conference Proceedings**

##### **International**

1. Dr.K.Anuradha, “**An efficient Method for Parameter Estimation of Software Reliability Growth Model Using Artificial Bee Colony Optimization**”, ICICT-2014.
2. Dr.K.Anuradha, “**Adaptive PSO based Association Rule Mining Technique for Software Defect Classification using ANN**”, ICICT-2014.
3. Dr.K.Anuradha, “**Study on Agile Process Methodology & Emergence of Unsupervised Learning to Identify Patterns from Object Oriented System.**” International conference on ICT and Critical Infrastructure in CSI 2013, 48<sup>th</sup> Annual convention of CSI associated with Visakhapatnam Steel Plant (Springer Lncs), ISSN:2194-5365, ISBN:978-3-319-03107-1, 2013.
4. Dr.K.Anuradha, “**Impact of Data Mining techniques for Polio Cases Analysis**”, International Conference on Health GIS, 2009.

## National

1. Dr.K.Anuradha et.al “**Text Document Clustering with a Variant Partitional Approach**” National Conference on “Advanced Computing and Pattern Recognition”ACPR-14 in Association with CSI and ISTE (8-9 Jan 2014).
2. Dr.K.Anuradha, “**Text Document Clustering with an improved K Modes Approach**” National Conference on “Modern Trends in Computer Science and Technology” in Association with CSI, 2013.
3. Dr.K.Anuradha,“**A Variant Agglomerative Approach for Text Document Clustering**” National Conference on “Modern Trends in Computer Science and Technology” in Association with CSI, 2013.



### **Dr.Akundi Sai Hanuman** Professor of CSE (ID-111)

**Qualifications :** Ph.D (Computer Science and Engineering ) (ANU- 2012), **M.Tech**( Computer Science and Engineering ) ( JNTU Hyderabad-2001 ).

**Experience:** 14years(Teaching), 5years (Industry).

**Research Interest:** Data Mining, Optimization Techniques, Distributed Systems, Database Management Systems, Operating Systems.

## Books Published

1. A Text book on “Operating Systems”,Hi-Tech Publications(Author)
2. A Text book on “Operating System and SystemPrograming”,Hi-Tech Publications(Co-Author).

## Journal Publications/Conference Proceedings: 17

### Journal Publications

#### International

1. Sai Hanuman, Dr. A VinayaBabu, et al. “**Efficient Knowledge Discovery using Data Clustering for Transportation Planning**”, International Journal of Computer Science and communication(IJCSC), Volume 2, Number 2, Sep 2011. Published by Computer Science journals, IF: 0.45.
2. A. Sai Hanuman, Dr. A VinayaBabu, et al. “**Improving performance of Dynamic Clustering using Adaptive Differential evolution**”, International Journal of Computing and IT (IJCIT), Volume 3, Number 2, Jul-Dec 2011.



3. A. Sai Hanuman, Dr. A VinayaBabu, et al. **“Data Clustering using almost parameter free Differential Evolution technique”**, International Journal of Computer Applications (IJCA), Volume 8, Number 13, Page 1-7, October 2010. Published by Foundation of Computer Science.

## Conference Proceedings

### International

1. **“International Conference on Advanced Computing Methodologies 2011”**(2 days Conference organized by GRIET).
2. A. Sai Hanuman, Dr. A VinayaBabu, et al. **“Integrated PSO and DE for Data Clustering”**, IEEE International Conference on Machine Learning and Computing (ICMLC 2011), Singapore, V2, PP 443 – 447.
3. A. Sai Hanuman, et al. **“Constrained and Unconstrained function Optimization using PSO”**, International Conference on Swarm, Evolutionary and Memetic Computing (SEMCCO- 2010).
4. A. Sai Hanuman, et al. **14<sup>th</sup>Pacific Asia Conference on “Knowledge Discovery and Data Mining” (PAKDD-2010)** (Four days Conference organized by IIIT, Hyderabad).
5. A. Sai Hanuman, Dr. A VinayaBabu, et al. **“Efficient Use of Open Source Software for Knowledge Discovery from Complex Databases”**, IEEE International Advance Computing Conference (IACC 2009), March 2009, (Page 1745 – 1750).
6. A. Sai Hanuman, et al. **“International Conference on Advanced Computing Technologies ICACT-2008”**(Two days Conference organized by GRIET).
7. A. Sai Hanuman, et al. **“Use of Data Mining Techniques in understanding Home Interview Surveys Employed for Travel Demand Estimation”**, International Conference DMIN 2008, World Congress in Computer Science, Los Vegas, USA.
8. A. Sai Hanuman, Dr. A VinayaBabu, et al. **“The Role of Data Mining in CRM for Efficient Campaign Management”**, International Conference, ICACT 2008.
9. A. Sai Hanuman, et al. Dr. A VinayaBabu, et al. **“Data Mining in a Regression Framework”**, International Conference, ICACT 2008.
10. A. Sai Hanuman, **“Application of Data Mining Techniques to Transportation Demand Modeling Using Home Interview Survey Data”**, International Conference, ICSCI 2008.

## National

1. A.Sai Hanuman et.al “Text Document Clustering with a Variant Partitional Approach” National Conference on Advanced Computing and Pattern Recognition ACPR-14 in Association with CSI and ISTE (8-9 Jan 2014).
2. A. Sai Hanuman et al. “The Evolution of Open Source Software for Data Mining - An overview”, National Conference on Research Areas in Computer Science, SRM University, INDIA April 2008.



### **Dr.P. Vijayapal Reddy**, Professor of CSE (ID-1160)

**Qualifications:** Ph.D (Computer science and Engineering, JNTUH, Hyderabad 2013), M.Tech( Computer Science and Technology, Andhra University campus college 2002), B.Tech( Computer science and Engineering , Nagarjuna University 1998)

**Experience:** 16 years

**Research Interest:** Information Retrieval, Natural Language Processing, Optical Character Recognition.

**Journal Publications/Conference Proceedings:** 21

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer(OCJP).  
*Oracle Database SQL Certified Expert (OCA).*

**No. of guest lectures:** 07

**No. of conferences as a program committee member:** 08

#### **Patents:**

1. *Published with the title “Process for Data Confidentiality using Probabilistic Cryptographic Technique” with application number as 976/CHE/2015.*
2. *Published with the title “A model for data secrecy using hybrid cryptographic technique” with application number as 1905/CHE/2015.*

#### **Text Books published:**

1. “Java made easy”, Kenbride publications, Hyderabad.
2. “Computer Organization”, Kenbride publications, Hyderabad.
3. “ITworkshop”, Kenbride publications, Hyderabad.



## **Journal Publications**

### **International**

1. P.Vijayapal Reddy, "Capturing the semantic structure of documents using summaries in Supplemented Latent Semantic Analysis", WSEAS Transactions on computers, pp. 314-323, Vol 14, 2015.
2. P.Vijayapal Reddy et al., "Authorship Attribution based on Data Compression for Telugu Text", International Journal of Computer Applications (0975 – 8887) Volume 110 – No. 1, January 2015.
3. P.Vijayapal Reddy, "A Survey on Authorship Analysis ", International Journal of Computer Science information and Engg., Technologies, pp. 152-156 , March 2014.
4. P.Vijayapal Reddy et al., " Influence of domain information on Latent Semantic Analysis of Hindi text ", International Journal of Computer Science information and Engg.,pp. 34 - 37, July,2014.
5. P.Vijayapal Reddy et al., " Influence of functional words, term weighting measures and classifiers on Text classification ", International Journal of Computer Science information and Engg. Technologies, pp. 23-32, November, 2014.
6. P.Vijayapal Reddy et al., " Influence of machine learning techniques on Authorship attribution for Telugu text features ", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 3 Issue 11, pp. 3633 – 3640, November 2014.
7. P.Vijayapal Reddy et al., " Text classification with summaries generated using latent semantic analysis ", International Journal of Research Sciences and Advanced Engineering [IJRSAE], Volume 2, Issue 8, pp. 264 - 271, OCT 2014 - DEC 2014.
8. P.Vijayapal Reddy et al., "A Survey on Term Weighting Schemes in Information Retrieval", International Journal of Computer Science information and Engg., Technologies, pp. 21- 23, April, 2013.
9. P.Vijayapal Reddy et al., " Text Classification using Text Summarization– A case study on Telugu Text ", International Journal of Advanced Research in Computer Science and Software Engineering , Volume 3, Issue 7, pp. 1399 – 1403, July 2013.
10. P.Vijayapal Reddy et al., " A Statistical model for gist generation: A case study on Hindi news Articles", International Journal of Data Mining & Knowledge Management Process (IJDKP) Vol.3, No.5, pp. 15 – 23, September 2013.



11. P.Vijayapal Reddy et al., "A comparative study of term weighting methods for automated telugu text categorization with effective classifiers", International Journal of Data Mining & Knowledge Management Process (IJDKP) Vol.3, No.6, pp. 95 -105, November 2013.
12. P.Vijayapal Reddy, "A Study on Implementation of Text Summarization Techniques on Indian Languages", International Journal of Computer Science information and Engineering Technologies, pp. 22-25, January 2012.
13. P.Vijayapal Reddy et al., "Analysis of BMW Model for Title Word Selection on Indic Script", International Journal of Computer Applications (0975 – 8887) Volume 18– No.8, March 2011.
14. P.Vijayapal Reddy et al., " Learning Approaches toward Title Word Selection on Indic Script", International Journal on Computer Science and Engineering (IJCSE), Vol. 3 No. 3, pp. 1063 – 1067, Mar 2011.
15. P.Vijayapal Reddy et al., "Statistical translation based headline generation for Telugu", IJCSNS International journal of Computer Science and Network Security, Vol. 11 No.6, pp. 295 – 299, June 2011.

## Conference Proceedings

### International

1. P.Vijayapal Reddy et al., " Influence of lexical, syntactic and structural features and their combination on Authorship Attribution for Telugu Text ", Elsevier International Conference on Intelligent Computing, Communication & Convergence (ICCC-2014), Procedia Computer Science 48 (2015), pp. 58-64.
2. P.Vijaya pal Reddy et al., " A Comparative Study on Relevance Measure with Compression Ratio for Telugu Text Summarization using Maximal Marginal Relevance Technique", International Conference on Advances in Soft Computing & Communication Technologies, pp. 57 – 60, August 27-28, 2014.
3. P.Vijayapal Reddy et al., "Empirical Evaluations Using Character and Word N-Grams on Authorship Attribution for Telugu Text ", Springer International Conference on Intelligent Computing and Applications, 22–24, pp. 613 – 623, December 2014.
4. P.Vijayapal Reddy et al., " An empirical evaluation of dimensionality reduction using latent semantic analysis on Hindi text ", IEEE International Conference on Asian Language Processing, pp. 21 – 24, 2013.

5. PVijayapal Reddy et al., "Corpus based Extractive document summarization for indic script", IEEE International Conference on Asian Language Processing, pp. 154 – 157, 2011.
6. PVijaya pal Reddy et al., " Approaches of Dimensionality Reduction for Telugu Document Classification ", IEEE International Conference on Asian Language Processing, pp. 259 – 264, 2009.



**Dr. P.V.S. Srinivas**, Professo

**Qualifications:** Ph.D (Computer Science & Engineering From JNTUH, Hyderabad in 2009), M.Tech (Computer Science & Engineering, from JNTUH in 2003).

**Total Experience:** 23 Years (Industry: 2 Years, Teaching: 21 Years & Research: 5 Years).

**Research Interest:** Computer Networks & Cloud Computing.

**No. of Times Invited for Guest Lectures:** 21.

**No. of Journal Publications/Conference Proceedings:** 72.

### Journal Publications

#### International

1. Podili V S Srinivas, D Vamsi Krishna, P L P Goutham and G Nethrika "Implementation of OSPF and CSPF Protocols in Ad Hoc Networks" International Journal of Technology and Engineering Science [IJTES], Volume 3[6], pp: 3501-3504, June 2015, ISSN: 2320-8007, Impact Factor :1.4
2. Govardhan Reddy K, PVS Srinivas, Chandra Sekaraiah K "Congestion Avoidance and Data Prioritization Approach for High Throughput in Mobile Ad Hoc Networks" pp. 8469-8486, International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 3 (2015) . Impact Factor :0.4
3. Govardhan Reddy K, PVS Srinivas, Chandra Sekaraiah K "Traffic Normalization Approach for Congestion Avoidance in Mobile Ad Hoc Network" pp 1353 To-1359, IJCNS, ,ISSN: 2051-6878, Vol.25, Issue.2. Impact Factor : 2.567





4. P. V. S. Srinivas<sup>1</sup>, A.Priyanka<sup>2</sup>, “Deep investigation filtering rules Implementation for Detection of unwanted messages” pp 1332-1334,IJCNS,ISSN: 2051-6878, Vol. 34, Issue.2.Impact Factor : 2.567.
5. P. V. S. Srinivas<sup>1</sup>, S.Bhargavi<sup>2</sup> “Ensuring Transfer Reliability and Congestion Control in Opportunistic Networks” pp 2454-2462, IJTES ISSN: 2320 – 8007. Impact Factor: 0.4.
6. P. V. S. Srinivas<sup>1</sup>, D. Naga Swetha<sup>2</sup> “Efficient Adaptive Routing Packet Transmission in Wireless Networks” pp 575-579, IJSER, ISSN 2229-5518. Impact Factor: 0.8.
7. P.V.S. Srinivas<sup>1</sup>, Y.V.S.V.Sarma<sup>2</sup> “Real Time Data Transmission to Remote Client Groups with Cryptographic Techniques”, IJSAE, pp 1993-2000, ISSN (e): 2321-7545. Impact Factor: 3.59.
8. V.Venkaiah, A.Pramod Reddy, P.V.S.Srinivas, “Clustering that depends upon various viewpoints similarity measure”, IJCATR,ISSN 2319–8656 (Online),PP 5-8 Impact Factor :0.5.
9. L.C.Usha Maheshwari, M.Jyothi,P.V.S.Srinivas, “ Search Hop count routing in peer to peer networks with performance guarantees” IJCST, ISSN : 0976 – 8491(Online),pp 396-399, Impact Factor :5.9.
10. J.H.Reena, K.Govardhan Reddy, P.V.S.Srinivas, “Autogeneous Reconfigurable Wireless Mesh Network”, IRJES, ISSN (Online) 2319-183X,pp 39-49, Impact Factor :0.6.
11. G. Sri Sanjeevini, B. Jayalakshmi, P.V.S. Srinivas, “Investigation on Mobile Phone Video Streaming”, International Journal of Computer Science and Mobile Computing Vol.2 Issue. 11, November- 2013, pg. 46-62. ISSN 2320–088X, Impact Factor: 0.9.
12. B Sai Sindhuri, A Sandhya Rani, P.V.S. Srinivas , “ Secure Cloud System for Robust and Highly Scalable Storage, Retrieval and Forwarding with Cooperation, International Journal of Scientific & Engineering Research, Volume 4, Issue 10, October-2013, ISSN 2229-5518.pp 1300-1304, Impact Factor : 0.8.
13. Roja Ramani.A, P.V.S. Srinivas , “Reliable Data Transmission Over Wireless Network Using Image Steganography”, International Journal of Computer Applications Technology and Research, Volume 2– Issue 5, 587 - 590, 2013, Impact Factor : 0.6.
14. P.V.S.Srinivas, “ Optimization of Resource Allocation in MANETS”,IJTES,Vol 2 Issue No 5 ,MAY 2014,pp 1760-1765, Impact Factor : 0.4.



15. Churukanti Ravinder Reddy, P.V.S. Srinivas, "Optimality of Training Cost and Evidence Results Identification Using Cutting Plane and Structural SVM Approach", International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 9, September – 2013, ISSN: 2278-0181, pp 995-998, Impact Factor : 0.4.
16. Md.Akram ali, CH.Pravallika, P.V.S.Srinivas, "Multi-Attribute Based Access Control Policy Enforcement for File Accesses in Cloud", International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 2, Issue 5, September 2013, ISSN: 2319-5967, pp 206-214. Impact Factor: 0.4.
17. P.V.S.Srinivas, "Secure-On Demand Multicast Routing Protocol for Mobile Ad-Hoc Networks" International Journal of Technology and Engineering Science [IJTES], pp 165-170, ISSN: 2320 – 8007, Impact Factor : 0.4.
18. K.Sowjanya, P.V.S.Srinivas, "Client-Side Validation and Verification of PHP Dynamic Websites" American Journal of Engineering Research Vol 2, Issue 9, ISSN (e): 2320-0847, ISSN (p): 2320-0936. pp-76-80, Impact Factor : 0.5.
19. SrinivasMRSP, P.V.S.Srinivas "Efficient Power Allocation Strategy Based Co-Operative Networks" American Journal of Engineering Research Vol 2, Issue 9, ISSN (e): 2320-0847, ISSN (p): 2320-0936. pp-100-102, Impact Factor : 0.5.
20. P.V.S.Srinivas, "An Innovative Approach for Maximizing Throughput in Wireless Networks" Advances in Computational Sciences and Technology (ACST), Vol 2, Issue 2, ISSN 0973-6107, Impact Factor : 0.5.
21. K.Vinuthna, P.V.S.Srinivas "Frequent Item set mining Models: Contemporary affirmation of the recent literature" International Journal of Scientific & Engineering Research (IJSER) Volume 4, Issue 2, February-2013 1 ISSN 2229-5518. Impact Factor : 0.8.
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23. P.V.S.Srinivas, "A WTA Mac Protocol With Energy Efficiency In Wireless Networks", Vol 4, No 1, ISSN 0973-6972, Impact Factor : 0.4.
24. K.M.V. Madan Kumar, P.V.S. Srinivas, C.Raghavendra Rao, "MMP-TREE FOR SEQUENTIAL PATTERN MINING WITH MULTIPLE MINIMUM SUPPORTS IN PROGRESSIVE DATABASES. International Journal of Computer Science, Engineering and Applications (IJCSSEA) Vol.2, No.5, October 2012. Pp 61-73. DOI : 10.5121/ijcssea.2012.2506. Impact Factor : 0.8.
25. K.M.V. Madan Kumar, P.V.S. Srinivas, C.Raghavendra Rao "Sequential Pattern Mining With Multiple Minimum Supports by MS-SPADE" International



Journal of Computer science issues Vol. 9, Issue 5, No 1, September 2012.ISSN (Online): 1694-0814. Pp 285-292. Impact Factor : 0.2.

26. B. M. G. Prasad, P.V.S. Srinivas, "SAHR: Swarm Adaptive Hybrid Routing Protocol for Mobile Ad-hoc Networks", International Journal of Computer science issues Vol. 9, Issue 5, No 1, September 2012.ISSN (Online): 1694-0814 Pp 293-298. Impact Factor : 0.2.
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28. K.M.V. Madan Kumar, P.V.S. Srinivas, C.Raghavendra Rao, "Sequential Pattern Mining with Multiple Minimum Supports in Progressive Databases", International Journal of Database Management Systems (IJDBMS), ISSN: 0975-5705, 2012. Impact Factor : 0.6.
29. K. Srinivas, P.V.S. Srinivas, A. Govardhan, V. Valli Kumari, "Periodic Web Personalization for Meta Search Engine", IJCST, Vol.2 Issue 4, Oct-Dec, 2011. Impact Factor : 0.8.
30. K.M.V. Madan Kumar, P.V.S. Srinivas, "Algorithms for mining sequential patterns" International Journal of Information sciences and Application.Vol 3, No.1, 2011. Pp 59-69. Impact Factor : 0.7.
31. B. M. G. Prasad, P.V.S. Srinivas "Reliable Network Design optimization using binary particle Swarm Optimization" International Journal of Information sciences and Application.Vol 3, No.1, 2011. Pp 71-82. Impact Factor : 0.7.
32. K.M.V. Madan Kumar, P.V.S. Srinivas "Sequential Pattern Mining in incremental and progressive data bases" International Journal of Computational Intelligence and Research (IJ CIR) Volume 7, Number 3 (2011).pp 319-328. Impact Factor : 0.4.
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35. Y. Narasimha Reddy, P.V.S. Srinivas, "Intrusion Minimized and Congestion Control (IMCC Protocol) in Wireless Sensor Network for High Quality Data



- rate Streaming”, International Journal of Advances in Science and Technology, Vol.2 No.5, 2011. Impact Factor : 0.6.
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  39. M. Ashwini, S. Vasundara, P.V.S. Srinivas, “Load balancing through shortest path in regular Mesh topology”, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences(IJ-ETA-ETS), ISSN:0974-3588, Vol.4, Issue.1, Jan-Jun, 2011. Impact Factor : 0.5.
  40. N. Sainath, V. Sridhar Reddy, P.V.S. Srinivas, “Defending Against Polymorphic Internet Worms”, IJIST.3.4.190-206., 2010. Impact Factor : 0.8.
  41. N.Sainath, S. Murali Krishna, P.V.S. Srinivas, “A Framework of Cloud Computing in the Real World”, Advances in Computational Sciences and Technology, ISSN:0973-6107, Vol.3 No.2, 175-190, Research India Publications, 2010. Impact Factor : 0.5.
  42. N.Sainath, S. Murali Krishna, P.V.S. Srinivas, “Redtacton-A Human Area Networking Technology”, International Journal of Applied Engineering Research, ISSN:0973-4562, Vol.5 No.10, 1725-1736, Research India Publications, 2010. Impact Factor : 0.4.
  43. K.Srinivas, C.R. Rao, P.V.S. Srinivas, “Multi Policy Attribute Based access Control Mechanism for Grid Computing”, IJMSA.4.10.1825-1835, 2010. Impact Factor : 0.5.
  44. D. Sandhya Rani, M. Sampath Kumar, P.V.S. Srinivas, “Billmate in Voice Software System”, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences(IJ-ETA-ETS), ISSN:0974-3588, Vol.3, Issue.2, Jul-Dec, 2010. Impact Factor : 1.
  45. M. Gayathri, M. Venkata Krishna Reddy, P.V.S. Srinivas, “Retrieval of User Profiles by using Web Mining Techniques”, International Journal of Applied Engineering Research, Vol.5, No.3, 2010. Impact Factor :0.4.



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47. N. Sainath, P.V.S. Srinivas, "Implementation of Honey ports to Provide Network Security", IJ-CA-ETS, 2010. Impact Factor :1.
48. M. Bala Raju, S. Mahaboob Basha, N. Subhash Chandra, A. Govardhan, P.V.S. Srinivas "Effect of Region Specific Compression of Medical Images Using Block Based Binary Plane Technique", Advances in Computational Sciences and Technology(ACST), Vol.2, No.2, 2009. Impact Factor : 0.5.
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51. P.V.S.Srinivas, V.Kamakshi Prasad, C.RaghavendraRao, "Security Challenges for Routing Protocols in ADHOC Networks", International Journal of Applied Engineering and Research(IJAER),Vol:3,Issue:1,PP.1424-1439, 2009. Impact Factor : 0.4.
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54. P.V.S. Srinivas "Open Source Knowledge Portal Design" pp 1522-1526, IJTES, Vol 2 Issue 2, Feb 2014, Impact Factor : 0.4.
55. M. Venkata Krishna Reddy, L.Raghavender Raju, P.V.S. Srinivas, "On Scalable Attacks Detection in Network Security", IJCMSA, Vol:3, Nos:3&4,PP.177-182, 2009. Impact Factor : 0.5.

## Conference Proceedings

### International

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2. Govardhan Reddy Kamatam, Podili VS Srinivas, Chandra Sekaraiah K "Data Prioritization for congestion control in Mobile Ad Hoc Networks" Elsevier Publications,ERCICA2014 ISBN 9789351072638,Pp 773-779.
3. Govardhan Reddy Kamatam, Podili VS Srinivas, Chandra Sekaraiah K "Self Congestion Prediction Algorithm for Efficient Routing in Mobile AD-Hoc Network"pp804-809,International Conference on Control, Instrumentation, Communication and Computational Technologies,2014.
4. B.Pooja,M.Vasavi,P.V.S.Srinivas,"Risk Attentive Acknowledgement for MANET routing Attacks" pp 36,All India seminar on "latest trends and technologies in Computer Science & Engineering",2014.
5. Govardhan Reddy Kamatam, Podili VS Srinivas, Chandra Sekaraiah K "Data Prioritization Approach for Congestion Control in Mobile Ad Hoc Network" ELSEVIER's Second International Conference on "Emerging Research in Computing,Information, Communication and Applications" (ERCICA-14).
6. K.Srujan Raju ,P.V.S.Srinivas " To Improve TCP Performance in MANETS by detecting IDSS" ELSEVIER'S proceedings of National Conference on Recent Trends in Information Technology (NCRITIT'13).
7. SwethareddyDonala,M.Archana, P.V.S.Srinivas "Identifying Best Products Based On Multiple Criteria Using Decision Making System" paper accepted in the Computer Society of India's International Conference 13th - 15th December 2013. Springer Proceedings pp.621-628.
8. Maddhi Sunitha, Tmberveni Venugopal, Podili VS Srinivas'MPC-BLAR: Maximal Power Conserved and Battery Life Aware Routing in Ad Hoc Networks'.IEEE Fifth International Conference on Computational Intelligence, Modelling and Simulation CIMSIm2013 at Seoul, South Korea, 24 – 26 September 2013. ISBN No 978-0-7695-5042-8, ISSN 2166-8531. Pp-354-350.
9. B.M.G.Prasad, P.V.S.Srinivas "SAMR: Swarm Adaptive Multipath Routing Topology for Load Balancing and Congestion Endurance in Mobile Ad Hoc Networks". IEEE Third International Conference on Advanced Computing and Computing Technologies {ACCT} Publication Year: 2013, Page(s): 276 – 282.
10. Govardhan Reddy Kamatam, Podili VS Srinivas, Chadra Sekaraiah K, "SC<sup>3</sup>ERP: Stratified Cross Layer Congestion Control and Endurance Routing Protocols for Manets", IEEE Computer Society's 4<sup>th</sup> International Conference on Computational Intelligence, Communication Systems and Networks, Phuket, Thailand in JULY 24-26. IEEE 2012 ISBN 978-1-4673-2640-7.pp-382-388. DOI-10.1109/CICSyN. 2012-76.

11. K. Srinivas, A. Govardhan, V. Valli Kumari, P. V. S. Srinivas, "Concept Similarity and Cosine Similarity Result Merging Approaches in Metasearch Engine", ITC-2012, LNEE, Springer-Verlag Berlin Heidelberg, 2012.
12. B. M. G. Prasad, P.V.S. Srinivas, "SAHR: Swarm Adaptive Hybrid Routing Protocol for Mobile Ad-hoc Networks, National Conference on Computational Intelligence and Applications (NCCIA-2012), 2012.
13. M. Sunitha, Prof. Dr. P. V. S. Srinivas, Dr. T. Venugopal, "A Survey on Power aware Routing Protocols in Mobile Ad-hoc Networks", National Conference on Computational Intelligence and Applications (NCCIA-2012), 2012.
14. K. Srinivas, P.V.S. Srinivas, A. Govardhan, V. Valli Kumari, "Search Engine Selection Approaches in Meta Search Engine", National Conference on Computational Intelligence and Applications (NCCIA-2012), 2012.
15. P.V.S.Srinivas, V.Kamakshi Prasad, C.RaghavendraRao, "Impact of BPD Protocol on QoS in MANETs", NCCEM-09, 2009.
16. P.V.S.Srinivas, V.Kamakshi Prasad, C.RaghavendraRao, "Improving QoS in MANETs through Multipath routing", International Conference on Emerging Trends, May, 2009.
17. K.M.V.Madan kumar , P.Sravan Kumar, P.V.S.Srinivas," k-way join approach for association rule mining ", NCCIA 2009.



**Dr. P. Chandra Sekhar Reddy**, Professor, CSE Dept.

**Qualifications:** Ph.D (CSE) (JNTUA) (2014), M.Tech (CSE) (JNTUH) (2004), B.Tech (CSE) (SKU) (1999).

**Experience:** 15 years

**Research Interest:** Image Processing and Data Mining.

**Journal Publications/Conference Proceedings:** 8

#### Journal Publications

##### International

1. P.Chandra Sekhar Reddy, "New Method for Classification of Age Groups Based on Texture Shape Features," International Journal of Imaging and Robotics(IJIR), Volume 15(4), 2015.
2. P.Chandra Sekhar Reddy,"Fuzzy Based Image Dimensionality Reduction Using Shape Primitives for Efficient Face Recognition," ICTACT Journal On Image And Video Processing,Volume 4(2), pp.696-701, 2013.



3. P.Chandra Sekhar Reddy,"Texture Classification Using Texton Co-Occurrence Matrix Derived From Texture Orientation,"International Journal of Soft Computing and Engineering (IJSCE), Volume2(6), pp.18-23, 2013.
4. P.Chandra Sekhar Reddy,"Fuzzy Based Texton Binary Shape Matrix (FTBSM) for Texture Classification," Global Journal of Computer Science & Technology:F Graphics and Vision, Volume12(15), pp.38-45, 2012.
5. P.Chandra Sekhar Reddy,"Texton Based Shape Features on Local Binary Pattern for Age Classification," International Journal of Image, Graphics and Signal Processing(IJIGSP), Volume4(7), pp.54-60, 2012.

### Conference Proceedings

#### International

1. P.Chandra Sekhar Reddy,"Texture classification with shape parameters derived from Integrated LDP Texton matrix," Proc.2014 International Conference on Advanced Computer Technology and Developments.
2. P.Chandra Sekhar Reddy,"Texture primitives based on local Texture aspects using wavelet transforms," Proc.2012 International Conference on Recent Advances in Computer Sciences.
3. P.Chandra Sekhar Reddy,"Object detection using AM-FM Features," Proc.2011 International Conference on Computer Science and Informatics.



### G. Mallikarjuna Rao, Professor (ID-628)

**Qualifications:** PhD (Computer Science) (JNTU-H, in progress, Registered 2009), M.E (Digital Systems) (Osmania University, 1993), M. Tech (Computer Science and Engineering) (JNTU, 2008).

**Experience:** 22 years

**Research Interest:** Image Processing & Pattern Recognition, Neural Networks, Language Processors.

**Journal Publications/Conference Proceedings:** 18

#### Journal Publications

##### International

1. Mallikarjuna Rao G "**Weighted Local Active Pixel Pattern (WLAPP) for Effective Face Recognition**" in International Journal of Science and Engineering Research-IJSER, Vol 4, Issue 8, Aug-2013.





2. MallikarjunaRao G “**Weighted Local Active Pixel Pattern (WLAPP) for Face Recognition in Parellel Computation Environment**” in International Journal of Science and Engineering(IJSE),vol.5(2),ISSN:2086-5023 pp 41-46 Oct-2013.
3. MallikarjunaRao G, “**Role of Active Pixels for Efficient Face Recognition on Mobile Environment**”, International Journal of Intelligent Information Processing (IJIP), Volume 2, Number 3, September 2012.
4. MallikarjunaRao G “**Efficient Face Recognition using Local Active Pixel Pattern (LAPP) for Mobile Environment**”, CSI Journal of Computing - Computer Society of India, Vol. 1 No.1,pp 1-5,2012.
5. MallikarjunaRao. G,” **Face Recognition Applications using Active Pixels**”, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com, 2012, Vol. 2, Issue 4, July-August 2012.
6. MallikarjunaRao G, “**Fast Local Binary Patterns for Efficient Face Recognition**”, Internat. J. of Sci. and Eng. Vol. 2(2):22-26, Dec. 2011.

#### National

1. MalikarjunaRao G, “**Lizard Learning Algorithm**”, Journal of Computer Science, 2007.
2. MallikarjunaRao G, “**Efficient Face Recognition using Local Active PixelPattern (LAPP) for Mobile Environment**”, CSI Journal of Computing - Computer Society of India, 2012, Vol. 1

#### Conference Proceedings

##### International

1. MallikarjunaRao G, “**Exploration of Active Pixels in Intelligent Face Recognition for Constrained Mobile Systems**”, 5th Indian International Conference on Artificial Intelligence (IICAI-11). IICAI-11 will be held during December 14-16, 2011.
2. MallikarjunaRao G, “**An Investigation into the Use of Partial Face in the Mobile Environment**”, ISVC’11 Proceedings of the 7th international conference on Advances in visual computing ,Springer-Verlag Berlin, Heidelberg ©2011, Volume Part Pages 526-535.
3. MalikarjunaRao G, “**Lizard Learning Algorithm**”, International Conference Systemic Cybernetics & Informatics, National Academy of Sciences of Bealrus, 2007, 1-3.



4. MalikarjunaRao G, "**Methodological Approach for Machine Based Gender Classification**", International Conference on Information Technology (INTL-INFO 2007), Haldia Institute of Technology Haldia Culcutta, 2007, 84-87.
5. MalikarjunaRao G, "**Secured Steganography**", International Conference, Proceedings of the International Conference on IS, Pondichery, 2005, 1-9.
6. MalikarjunaRao G, "**Network Security-Vulnerability in TCP/IP**", International Conference, SRKR Bhimavaram, 2005.
7. MalikarjunaRao G, "**On The Notion of Generalized Rapid Transformation & Its use in Recognizing Patterns Due to Deflection the Weld**", The VIII International Conference on JOM Denmark, Conference on JOM Helsingør, Denmark, 1997.

#### **National**

1. MalikarjunaRao G, "**Adaptive Boundary Detection Using Live Wire Two Dimensional Dynamic Programming**", SreeNidhi Institute of Technology & Science, 2005.
2. MalikarjunaRao G, "**Intelligent Pattern Recognition of Tactile Sensing Data: Robotic Vision**", MS Ramaiah Institute Technology, 2004.
3. MalikarjunaRao G, "**Intelligent Pattern Recognition Robotic Vision**", National Conference on State of Art Technologies, JNTU Hyderabad, 2004.
4. MalikarjunaRao G, "**Intelligent Pattern Recognition of Tactile Sensing Data: Non contact Sensing**", Advances in Mechanical Engineering, National level Conference SV university Tirupati, 2004.
5. MalikarjunaRao G, "**A Speech Recognition Using Modular General Fuzzy Min-Max Neural Network**", Advances in Mechanical Engineering, National level Conference SV university Tirupati, 2004.
6. MalikarjunaRao G, "**Recurring Neural Networks with Non-Linear Synopsis for Solving Optimization Problems**", Advances in Mechanical Engineering, National level Conference SV university Tirupati, 2004.



## Dr.G.R. Sakthidharan

**Designation:** Associate Professor

**Qualification:** Ph.D (2014), M.Tech(2006), B.E (2004),  
D.C.Tech(1998)

**Experience :** 11 years (Academic : 9 years, Industrial:  
2 years.)

**Research Interest:** Mobile Wireless Sensor Network

**Invited Guest Lecturers:** 05

**Journal Publication / Conference Proceedings:** 08

### Journal Publications

#### International

1. **Sakthidharan, GR & Chitra, S** 2012, 'Multimedia Transmission in Multi Hop Wireless Sensor Network', International Journal of Computer Applications, vol. 52, no.13, pp. 23-27.
2. **Sakthidharan, GR & Chitra, S** 2013, 'Fuzzy Energy Management Approach for Multimedia Traffic in WSN', Life Science Journal, vol.10, no.4, pp.505-510. (Impact Factor 0.073).
3. **Sakthidharan, GR, Chitra, S, Madhusudhanan, B, & Saravanan, P** 2014, 'Local minima jump PSO for workflow scheduling in Cloud computing environments', Lecture Notes in Electrical Engineering, Springer Series, vol. 279, pp 1225-1234.

### Conference Proceedings

#### International

1. **Sakthidharan, GR& Chitra, S** 2012, 'A Survey on Wireless Sensor Network: An Application Perspective', In Proceedings of the International Conference on Computer Communication and Informatics, Published in IEEE xplore. Digital Object Identifier: 10.1109/ICCCI.2012.6158870.

#### National

1. **Sakthidharan, GR** , Emerging Trends in Engineering Technology & Applications. "Wireless Sensor Networks QOS Routing for Significant Networks". Shridi Sai Engineering college, Bangalore,29th & 30th April, 2009.

2. **Sakthidharan, GR**, Emerging Issues in Computer Applications, “Dynamic co-operative routing in Wireless sensor networks”,K.S.R College of Engineering, Tiruchengode, 10th February, 2011.
3. **Sakthidharan, GR& Chitra** , ‘Improving QOS in WSN using Meta Heuristic algorithm’, National Conference on Advanced computing technologies’13,Dhanalakshmi Srinivasan College of Engineering, Perambalur,19, March, 2013.
4. **Sakthidharan, GR& Chitra**, “Effective Energy Management in Sensor network using generic approach”, A National Level Conference on Computing, Communication and Manufacturing, Er.Perumal Manimekalai College of Engineering, Hosur, August, 2013.



**Ch. Mallikarjuna Rao**, (ID-169) Associate Professor of CSE

**Qualifications:** PhD (Computer Science) (JNTU-A, in progress, Registered 2008),BE (Computer Science & Engineering) (Dr.B.A.M University, Aurangabad, 1998),Computer Science & Engineering, D.E.C.E (Diploma in Electronics & Communication Engg), (State Board of Technical Education, Bangalore, 1994), **M.Tech** (Computer Science & Engineering) (JNTU-A, , 2007).

**Experience:** 15 years

**Research Interest:** Data Warehouse & Mining, Databases, Software Engineering, Software Testing, Machine Learning, Cloud Computing

**Journal Publications/Conference Proceedings:**6

**Certifications:** Oracle Certified Associate(SQL,PL/SQL)(OCA)  
Microsoft certified professional in VB.

**Journal Publications**

**International**

1. Mallikarjuna Rao, Ch.; Ananda Rao, A.; “Analysis of Various Crop Yields in different Spatial locations of Karimnagar district in Ap”, International Journal of Computer Science Issues (IJCSI),11(4),2014,130-135.
2. Mallikarjuna Rao, Ch.; Ananda Rao, A.; “Analysis of Spatial Data using Clustering Algorithms”. International Journal of Advanced Computing (IJAC), 6(1), 2014, 7-12.



3. Mallikarjuna Rao,Ch.; Ananda Rao.A ; “Crop Yield Analysis of the Irrigated Areas of All Spatial Locations in Guntur District of AP”, International Journal of Engineering Research and Applications (IJERA), 4(6), 2014, 01-07.
4. Mallikarjuna Rao, Ch.; Ananda Rao, A.; “A Hybrid Approach for Analysis of dynamic changes in spatial data”, International Journal of Database Management Systems(IJDBMS) , 2014, 45-59.

### Conference Proceedings

#### International

1. Ch.MallikarjunaRao” A Novel Approach for spatial Data Mining and representation,ICACM-2013.
2. Mallikarjuna Rao, Ch.; Ananda Rao, A.; “An Innovative Approach for representing and mining Spatial data”, International Conference on Advanced Computing Methodologies (ICACM), 2013. 428-432.



**B.SankaraBabu, Associate Professor,  
ACE for PG (ID-441)**

**Qualifications:** PhD (ANU, 2011 Registered in progress),  
M.Tech (Computer Science and Engg) (JNTUH 2009),  
B.Tech (Computer Science and Engg) (JNTU, 2004),D.CM.E  
(Computer Engineering) (SBTET&T, 2001)

**Experience: 11 years**

**Research Interest:** Data Mining, Computer Networks and Information Retrieval Systems

**Journal Publications / Conference Proceedings : 06**

**Certifications:** 1.Oracle Certified Java Standard Edition 6 Programmer(OCJP)  
2. Oracle Database SQL Certified Expert

**No. of times invited for guest lectures : 1**

#### Journal Publications

##### International

1. B.Sankara Babu “An Advanced Precision based Approach to StringTransformation” International Journal of Soft Computing and Engineering (IJSCE),Volume-5 Issue-1, ISSN: 2231-2307 ,March 2015.
2. **B.SankaraBabu “Progression Towards Controlling of Packets Loss in Networks”,International Journal of Innovative Technology and Research, Vol. 2, Issue 1,776-778, December/January 2014.**



3. **B .Sankara Babu** “ A new Approach for Extraction of pattern frames in Text Mining “ International Journal of Computer Applications Vol.103,Issue 7, ISSN :0975- 8887 ,October 2014.
4. **B.SankaraBabu** “Algorithm of features selection intended for high dimensional Data” IJRRECS, Vol. 2, Issue 5 May 2014 ,ISSN 2321-5461.
5. **B.SankaraBabu** “Geoportal-A Spatial Cloud Information Service”, International Journal of Engineering Science and Technology, Vol. 3, 2011,ISSN: 0975 -5462.
6. **B Sankara Babu** ,”Tracking Indian Tigers using Adhoc Networks & GIS “ International Journal of Computer Applications “Vol.26 ,Issue 11,ISSN :0975-8887,July 2011.



**V. Sowmya**, Associate Professor of CSE (ID-612)

**Qualifications:** PhD (Computer Science (JNTU-H, in progress registered 2011), **M.Tech** (Software Engineering) (JNTU, 2009), **B.Tech** (Computer Science and Information Technology) (JNTU, 2004)

**Experience:** 9 years

**Research Interest:** Data Mining, Bioinformatics

**Journal Publications/Conference Proceedings:** 5

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer (OCJP)  
Oracle Certified Web Component Developer (OCWCD)

### Journal Publications

#### International

1. V.Sowmya, et.al “Farthest Neighbor Approach for finding initial centroids in KMeans” International Journal of Data Engineering, 2014.
2. V.Sowmya, et.al “Analysis of Stemming Algorithm for Text Clustering”, International Journal of Computer Science Issues, Vol.8 -issue 5, 2011, IF: 0.242.

### Conference Proceeding

#### International

1. V.Sowmya, et.al “Variant Nearest Neighbors for Text Document Clustering” International conference on ICT and Critical Infrastructure in CSI 2013,48<sup>th</sup> Annual convention of CSI associated with Visakhapatnam Steel Plant (Springer Lncs),ISSN:2194-5365,ISBN:978-3-319-03107-1.

## National

1. V.Sowmya, et.al “Text Document Clustering with a Variant Partitional Approach” National Conference on “Advanced Computing and Pattern Recognition”ACPR-14 in Association with CSI and ISTE (8-9 Jan 2014)
2. V.Sowmya, et.al “A Variant Agglomerative Approach for Text Document Clustering” National Conference on “Modern Trends in Computer Science and Technology” in Association with CSI. (2014).



**G. N. Beena Bethel** Associate Professor  
(staff-id = 809)

**Qualifications:** PhD(Computer Science) – Pursuing in JNTUH registered in 2010, MTech(Computer Science and Engineering) from JNTUH in 2008, BTech(Computer Science and Engineering) from JNTUH in 2003, DCME (Diploma in Computer Engineering) from SBTET in 1999.

**Experience:** 12 years

**Research Interest:** Data warehousing and Data Mining, Soft Computing, Software Engineering.

**Journal Publications/ Conference Proceedings:** 03

## Journal Publications

### International

1. G. N. Beena Bethel, “An efficient feature reduction technique for an improved heart disease diagnosis”, IJAER, Volume 10, Issue 1, January 2015.
2. G. N. Beena Bethel, “ Decision Support System for Information Security in the Semantics of Bio- Medical Documents”, IJECS, Volume 3, Issue 10, October 2014.

## Conference Proceedings

### International

1. G.N. Beena Bethel, “Design and simulation of Constant bit rate compressor using fuzzy logic”, 1<sup>st</sup> International Conference on Networks and Soft Computing, ICNSC-14, held during 19-20 August, 2014 and published in IEEE Explore.



**S. Govinda Rao** : (ID-486) Associate Professor

**Qualifications:** PhD (Computer Science) (JNTU-K, in progress, Registered 2009), **M.Tech** (Information Technology) (Andhra University, 2006), **BCA** (Computer Applications)(Andhra University, 2001),**M.Sc.** (Information Systems) (Andhra University, 2003)

**Experience:** 10 years

**Research Interest :** Data Mining, Computer Networks, Networks Security.

**Journal Publications / Conference Proceedings:** 06

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer (OCJP)

**Journal Publications**

**International**

1. S GovindaRao"Assessing the h g indices of scientific papers by using K Means Clustering Algorithm" IJCA ,Vol 100,Number 11 August 2014.
2. S GovindaRao" Progression Towards Controlling of Packet Loss in Networks" IJITR, Vol-2 ,issue-1, 776-778 December-January 2014.
3. S GovindaRao" Clustering perspective in Attribute Bases Data Set in the Collaborative learning Behaviour" IJECS ISSN: 2319-7242 vol-3,issue-3 March 2014.
4. S.GovindaRao: "Clustering Oriented Approach based on Assemble Method"IJITR Volume. No.-1, Issue No.-5,August-September2013.
5. S.GovindaRao: "Plagianized web page Detection by Measuring the Dissimilarities Using SIFT" ,Journal of Computing, Valume No.-4,Issue-5, May 2012.
6. S.GovindaRao: " A Novel Approach to Protect web Content Using Barcode" Journal of Computing, Valume No.-4,Issue-5, 2012.



**P. Varaprasada Rao**, (ID-487) Associate Professor of CSE

**Qualifications:** Ph.D (Computer Science and Engineering) Registered in 2009( JNTUK University), **M.Tech** IT Andhra University-2006, **B.Tech** CSE -2002.

**Experience:** 10 years

**Research Interest :** Network Security, Data Mining, Computer Networks

**Journal Publications :** 5



**Certifications:** Oracle Certified Java Standard Edition 6 Programmer(OCJP)

### Journal publications

#### International

1. P.VaraprasadaRao, "Implementation of a python based hierarchical clustering program on h-index dataset of journals using normalization and priority queue elements"International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 24 (2015) pp 44440-44444.
2. P.VaraprasadaRao, "A Python Based Regression Script to Evaluate Dependency Of H-Index Of Journals On Various Citation Parameters" i-manager's Journal on Information Technology, Vol. 4, No. 4 September – November 2015
3. P.VaraprasadaRao, "Content Based Removing Text in OSN through Policy Based Personalization"IJRECS, July – Aug 2014, V-1, I-4, ISSN-2321-5484
4. P.VaraprasadaRao, "Multi-Cloud Architecture to Reduce Security Risks in Cloud Computing" International Journal of Advanced Research in Computer Science and softwareEngineering, 2013
5. P.VaraprasadaRao, " Parallel protein Folding with STAPL "International Conference on Bioinformatics in Computer Science andEngineering, 2006.



**P.L.SrinivasaMurthy**, (ID-924) Associate Professor

**Qualifications:** Ph.D (Computer Science and Engineering) (JNTUK, 2010), M.Tech ( Computer Science and Engineering) ( JNTUA, 2007 ), B.E. (Gulbarga University, 1995 ).

**Experience:** 18 years

**Research interest:** Network Security, Image Processing

**Conference Proceedings:** 02

**Certifications:** CISCO Certification

**No. of times invited for guest lectures:** 4

**Books Published:**

1. P.L.Srinivasa Murthy, "Internal Circulation book for Micro Processor", GRIET.

**Conference Proceedings**

**National**



1. P.L.Srinivasa Murthy, "Effective Multicasting for Secure Group Communication with Low Communication Overhead" A two day National Conference on COSMOS, 2012.
2. P.L.Srinivasa Murthy "Effective Analysis of Offloading Systems Operating in ADHOC-Networks" A two day National Conference on Network Security, 2012.



**K. BUTCHI RAJU**, Associate Professor (ID-674)

**Qualification: Ph.D(pursuing)** (Computer Science & Engineering)(JNTU-HYDERABAD)

**M.Tech**(Computer Science & Technology)(Andhra University, 2008)

**Experience: 9 Years**

**Area of research interest: Information Retrieval Systems**

**Journal Publications/Conference Proceedings: 10**

**Journal publications**

**International publications:**

1. K Butchi Raju et.al," Parallel String Matching Problems with Computing Models - An Analysis of the Most Recent Studies", International Journal of Computer Applications , Vol.76-No.15,pp.7-25, Published by Foundation of Computer Science, New York, USA, August 2013, IF-0.821, ISSN: 0975-8887.
2. K Butchi Raju et.al," A Novel Structure for Parallel String Matching- A Computational Approach with Omega Model", International Journal of Advanced Computing, Vol-5, Issue-3, pp.94-100,July 2013, ISSN: 0975-7686.
3. K Butchi Raju et.al, "Recent Advancement in String matching algorithms- A survey and experimental results", International Journal Computer Information Systems,Vol 6 No 4, pp.23-30, 2013, ISSN: 2229-5208
4. K Butchi Raju et.al," A Parallel Computational Approach for String Matching- A Novel Structure with Omega Model", Global Journal of Computer Science and Technology, Vol-13, Issue-12, pp.11-29, 2013, ISSN: 0975-4350.
5. K Butchi Raju et.al, "Recent Advancement is Parallel Algorithms for String matching - A survey and experimental results", International Journal of Advanced Computing, Vol 4 issue 4, pp-91-97, 2012, ISSN: 0975-7686.

6. K Butchi Raju et.al, "Parallel Algorithms for String Matching Problem based on Butterfly Model", pp.41-56, International Journal of Computer Science and Technology, Vol. 3, Issue 3, July – Sept, ISSN 2229-4333, 2012, IF-0.478

### Conference Proceedings

#### International Conferences:

1. K Butchi Raju et.al, "Recent Advancement is Parallel Algorithms for String matching on computing models - A survey and experimental results", LNCS, Springer, pp.270-278, ISBN: 978-3-642-29279-8 ,2011.
2. K Butchi Raju et.al, "PDM data classification from STEP- an object oriented String matching approach", IEEE conference on Application of Information and Communication Technologies, pp.1-9, ISBN: 978-1-61284-831-0, 2011.
3. K Butchi Raju et.al, "Implementation of Interactive Data Knowledge Management and Semantic Web for Step-Data from Express Entities", Proceedings of the 2010 3rd International Conference on Emerging Trends in Engineering and Technology, pp.537-542, ISBN: 978-0-7695-4246-1, 2010.

#### National conferences :

1. K. Butchi Raju, "Role Based Access Control", National Conference on Information Security at Sidhardha Engineering College, Vijayawada, pp.78-84, 2007.



### **S. Bhargavi Latha, (ID-877) Assistant Professor**

**Qualifications:** Phd pursuing (JNTUH, In-Progress) M.Tech (Computer Science Engineering) (JNTU, 2009), B.Tech (Computer Science and Engineering) (JNTU, 2002).

**Experience:** 10+ years

**Research Interest:** Image processing.

**Journal Publications/Conference Proceedings :** 01

#### Conference Proceedings

#### National Conference:

1. S. Bhargavi Latha "Face Recognition –A review" in NCECT-2013, GRIET



**G.Karuna**, (ID-922), Assistant Professor, CSE

**Qualifications:** Ph.D. (Computer Science & Engg) (JNTUH, in progress, Registered 2011), M.Tech (Computer Science & Engg) (JNTUH, 2010), MCA (IGNO University, NewDelhi, 2004).

**Experience:** 9 years

**Research Interest:** Network Security, Image Processing.

**Journal Publications/ Conference Proceedings:** 12

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer (OCJP)  
Oracle Certified Web Component Developer (OCWCD)

**Books Published:**

“**Programming and Data Structures**” (I-B.Tech, Civil & Mech, SCDE, JNTUH), BSP Publications, 2010.

“**C & Data Structure**” (I-B.Tech, ECE & EEE, SCDE, JNTUH), BSP Publications, 2010.

**Journal Publications:**

**International:**

1. G.Karuna, “**A Novel Approach for Information Preserving Shape Representation by using Hit-or-Miss Operation**”, International Journal on Computing, Communications and Systems (IJCCS), Vol-4, Issue-1 -February-2015, ISSN: 2277-6699.
2. G.Karuna, “**Moment Based Object Classification from Shapes**”, International Journal of Computer Applications (IJCA), Vol-109, Issue-5, January 2015, ISSN: 0975 – 8887.
3. G.Karuna, “**Performance measures for Image Fusion based on Top-hat transform and Wavelet transform**”, International Journal of Smart Business and Technology (IJSBT), Vol-2, Issue-2, December 2014, ISSN: 2288-8969.
4. G.Karuna, “**WaSS: A Novel Hybrid Method for Object Recognition Using Wavelet based Statistical and Structural Approaches**”, International Journal for Computer Science Issues (IJCSI), Vol-11, Issue-4, July 2014, ISSN: 1694-0814.
5. G.Karuna, “**An efficient representation of Shape for object recognition and classification using Circular Shift Method**”, International Journal of



Scientific and Engineering Research, Vol-4, Issue-12, December 2013, ISSN: 2229 -5518.

6. G.Karuna, "**Hiding Technique in Image processing Using DCT**", International Journal of Advanced Computing, Vol-2, 2010.

### Conference Proceedings

#### International

1. Mrs.G.Karuna, "**A Novel Approach for Information Preserving Shape Representation by using Hit-or-Miss Operation**", "International Conference on Communications, Signal Processing, Computing and Information Technologies (ICCSPCIT-2014)", Hyderabad, 26th – 27th December 2014, ISBN: 978-93-83038-27-5 and received best paper award.
2. Mrs.G.Karuna, "Fuzzy based Texton Shape Matrix for Texture classification", "International Conference on Sustainability of Digital Libraries-2014" (ICSIDL-2014) held at JNTUH, Hyderabad, 25th – 27th September 2014, ISBN-978-93-83635-33-7.
3. Mrs.G.Karuna, "An efficient approach for improvement of packet scheduling algorithm to secure wireless networks", "International Conference on Sustainability of Digital Libraries-2014" (ICSIDL-2014) held at JNTUH, Hyderabad, 25th – 27th September 2014, ISBN-978-93-83635-33-7.
4. G.Karuna, "Fuzzy Rule Based Edge Detection for Object and Texture Classification using Shape Matching", International Conference on Advanced Computer Technologies and Developments (ICACTD-2014) held at Rajahmundry, 18<sup>th</sup> – 19<sup>th</sup> July 2014, ISBN 978-1-4276-5510-3.

#### National

1. G.Karuna "**Custom queuing method for improvement of Security-Aware Packet Scheduling Algorithm**", National Conference on Data Mining and Data Warehousing (NCDMDW) at MRCET, Hyderabad, December 2010.
2. G.Karuna, "**Analyze the customer behavior from E-Commerce Data using Data Mining Technique**", National Conference on Distributed Computing (NCDC) at MRCET, Hyderabad, December 2009.



**AshlinDeepa R. N.** (ID-887) Assistant Professor

**Qualifications:** Ph.D Reg-2011, M.Tech-2007, M.sc-2005.

**Experience:** 6Years

**Research Interest:** Image processing

**Journal Publications/Conference Proceedings:** 3

**Journal Publications**

#### International

1. Ashlin Deepa R.N and Rajeswara Rao R, " Feature Extraction Techniques for Recognition of Malayalam Handwritten Characters: Review", International Journal of Advanced Trends in Computer Science and Engineering, Vol. 3(1), 2014, Page(s): 481– 485.

#### Conference Proceeding

#### National

1. Ashlin Deepa RN, Rajeswara Rao R and Vijayalata Y, "Pattern Recognition- A review" in Proceedings of *National Conference on Emerging Trends of Computing Technologies*, 2013, page(s): 64-74.

#### International

1. Ashlin Deepa RN ,Rajeswara Rao R and Vijayalata Y , " A Multiset Approach For the recognition of Handwritten Characters Using Puzzle Pieces", Proceedings of International workshop on Signal Image Processing and Multimedia, AIRCC and CS&IT, 2012, Page(s): 79-87.



**Y. KrishnaBhargavi,** (ID-915) Assistant Professor

**Qualifications:** M.Tech (Software Engineering) (Shri Vishnu Engineering College for Women-2011), B.Tech(Information Technology)(Godavari Institute of Engineering Technology-2009).

**Experience:** 4 years

**Research Interest:** Machine Learning, Data Mining

**Journal Publications/Conference Proceedings:** 3

**Certifications:** Oracle Certified Associate (SQL, PL/SQL)(OCA)

**Journal publications**

### International

1. Y.KrishnaBhargavi, "Application Of Edge Based Segmentation In Bio-Metric Security System", IJAEA 2011.
2. Y.KrishnaBhargavi, "Application Of Edge Based Segmentation In Finger Print Images", IJERIA, 2011, Vol 4 No.1.

### Conference Proceedings

#### International

1. Y.KrishnaBhargavi, "Blog Popularity Mining Based On Conceptual Clustering", Proceedings Of International Conference On Nanoscience, Engineering & Advanced Computing, 2011.



### **SriLakshmi**, (ID-923) Assistant Professor

**Qualifications :** Ph.D (JNTUA in progress), M.Tech (Computer Science and Engineering) (JNTU, 2011), B.Tech (Computer Science and Engineering) (JNTU, 2002).

**Experience:** 10years

**Research Interest:** Data Mining, Neural Networks

**Journal Publications/Conference Proceedings:** 1

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer (OCJP).  
Oracle Certified Associate (SQL)(OCA)

### Conference Proceedings

#### National

1. V. Srilaxmi, "Text Document Clustering with an improved K Modes Approach" National Conference on "Modern Trends in Computer Science and Technology" in Association with CSI, 2013.



### **B. Rupa**, (ID-936) Assistant Professor

**Qualifications :** M.Tech(Computer Science and Engineering, P.B.R. Vishyodaya Institute of Technology, 2012), B.Tech (Computer science and Engineering , Gokula Krishna College of Engineering, 2005) ,

**Experience:** 8 years

**Research Interest:** Data Mining, Cloud Computing

**Journal Publications/Conference Proceedings:1**

**Conference Proceedings**

**International**

1. B.Rupa and V.Sunil Kumar."Fuzzy Keyword Search over Encrypted Data in Cloud Computing ", National Level Conference and Technical Symposium – INFOQUEST, 2012, pp. 100.



**K.Thrilochana Devi**, (ID-949) Asst. Professor of CSE

**Qualifications:**M.Tech (Computer Science and Engineering, QIS college of Engineering and Technology, 2011), B.Tech( Computer science and Engineering , Nalanda Institute of Engineering & technology, 2006) ,

**Experience:** 7 years

**Research Interest:** Data Mining

**Journal Publications/Conference Proceedings: 01**

**Conference Proceedings**

**National Conferences:**

1. K.Thrilochana Devi, "Document Clustering Techniques For Hierarchical Peer Environment ", National Level Conference on Technology and Research advances in Computer Science, pp.100.(2011).



**K. RamaGayathri**, (ID-1070) Assistant Professor of CSE

**Qualifications:** M.Tech (JNTUH-2012), B.Tech (JNTUK-2010).

**Experience:** 1 year

**Research Interest:** Cryptography and Network security.

**Journal Publications/Conference Proceedings: 1**

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer(OCJP)

**Journal Publications**

**International Publications:**

1. K.RamaGayathri, "Node ID assignment with Leveraging identity based cryptography: A computational approach in Structured p2p", IJECT, Vol 4, issue 1,2013.





**SandhyaStgy**, (ID-1093) Assistant Professor of CSE

**Qualifications:** M.Tech (Computer Science and Engineering, TRR college of Engineering and Technology, 2012), B.Tech (Computer science and Engineering , SrideviWomens Engineering college 2009).

**Experience:** 5 years

**Research Interest :** Computer Networking and Distributed computing

**Journal Publications/Conference Proceedings: 02**

**Conference Proceedings**

**International**

1. Sandhya STGY, RanjithaGade ,Sravanthi.K, “**Mobile Cloud Computing-The Future Of Communication & A Revenue Generating Model For Telecom Operators**”,International Conference on Recent Trends in Computer Science and Engineering, pp. 74,(2012).
2. Sandhya STGY, RanjithaGade , Dr.VakaMurali Mohan, “**A Study Of Network Security Attacks-Ddos Attacks**”,International Conference on Recent Trends in Computer Science and Engineering, pp. 87,(2012).



**R. Soujanya**, (ID-1120) Assistant Professor

**Qualifications:** M.Tech (Computer Science) (JNTU Hyderabad-2012 ), B.Tech (Computer Science and Engineering) (JNTU Hyderabad, 2008).

**Experience:** 5 Year

**Research Interest:** Network Security

**Journal Publications/Conference Proceedings: 01**

**Certifications:** Oracle Certified Associate(OCA)(SQL)

**Conference Proceedings**

**National**

1. R.Soujanya, “**Blocking Misbehaving Users in Ananonymous Network**” National Conference on Wireless Communications and Mobile Computing (WCMC-12) Muthangi,Medak, 25<sup>th</sup> August 2012.



**K. Swanthana**, (ID-1124) Assistant Professor

**Qualifications:** M.Tech (Software Engineering) (JNTU Hyderabad-2012 ), B.Tech (Computer Science and Engineering) (JNTU Hyderabad, 2010).

**Experience:** 2 Years

**Research Interest:** Cloud Computing, Networking.

**Journal Publications/Conference Proceedings:** 04

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer (OCJP)

**Conference Proceedings**

**National**

1. K.Swanthana, et al. "Implementation of College Forum and Communicator in a Website" National Conference on Emerging Trends in Information Technology(NCETIT -12) organized by IMS Ghaziabad, November 2012.
2. K.Swanthana et al. "Managing Contents Hosted on a Website" National Conference on Emerging Trends in Information Technology(NCETIT -12) organized by IMS Ghaziabad, November 2012.
3. K.Swanthana, et al. "Onstream Telecom Customer Service" National Conference on Emerging Trends in Information Technology (NCETIT -12) organized by IMS Ghaziabad, November 2012.
4. K.Swanthana, et al. "Secured Health System" National Conference on Emerging Trends in Information Technology(NCETIT -12) organized by IMS Ghaziabad, November 2012.



**K. Swapnika**, (ID-1125) Assistant Professor

**Qualifications:** M.Tech (Software Engineering) ( JNTU Hyderabad-2012 ), B.Tech (Computer Science and Engineering) (JNTU Hyderabad, 2010).

**Experience:** 2 Years

**Research Interest:** Cloud Computing, Networking.

**Journal Publications/Conference Proceedings:** 04

**Certifications:** Oracle Certified Java Standard Edition 6 Programmer (OCJP)

**Conference Proceedings**

## National

1. K.Swapnika, et al. “**Onstream Telecom Customer Service**” National Conference on Emerging Trends in Information Technology(NCETIT - 12) organized by IMS Ghaziabad, November 2012.
2. K.Swapnika, et al. “**Managing Contents Hosted on a Website**” National Conference on Emerging Trends in Information Technology(NCETIT - 12) organized by IMS Ghaziabad, November 2012.
3. K.Swapnika, et al. “**Secured Health System**” National Conference on Emerging Trends in Information Technology(NCETIT -12) organized by IMS Ghaziabad, November 2012.
4. K.Swapnika, et al. “**Implementation of College Forum and Communicator in a Website**” National Conference on Emerging Trends in Information Technology(NCETIT -12) organized by IMS Ghaziabad, November 2012.



### **A. SRAVANTHI (1227), Assistant professor**

**Qualification :** M.Tech (computer science and Engineering), B.Tech (Computer science and Information technology).

**Experience:** 7 yrs

**Journal publications/Conference Proceedings:** 2

**Certifications:** Red Hat EL 4 Certified Engineer (RHCE)

## Journal publications

### International

1. A.sravanthi Acceptance of the Journal on “**DETECTING SQL INJECTIONS FROM WEB APPLICATIONS**” published in IJESAT journal, Vol. -02, Iss. -03; May-Jun 2012, As main Author.
2. A.sravanthi Acceptance of the Journal on “**IMPROVE QUALITY OF SERVICE IN SELF-ORGANIZING NETWORKS BASED ON MULTICAST INTELLIGENT ROUTING PROTOCOLS**” published in IJESAT journal, Vol. -02, Iss. -03; May-Jun 2012.



**Mrs.D.Suguna kumari**, (ID No. : 1228)

Assistant Profrofessor in CSE department

**Qualification:** M.Tech. (CSE)

**Total Experience:** 7 years

**Journal publications/Conferences proceedings:** 3

**Journal Publications**

**International**

1. **“OPEN ACCESS Improving Login Authorization by Providing Graphical Password (Security)”**, R.V.Sudhakar , A. Mruthyunjayam , D. Suguna Kumari , M. Ravi Kumar , B.V.S. Ramesh Babu, published in International Journal of Engineering Research and Application ISSN : 2248-9622, Vol. 3, Issue 6, Nov-Dec 2013, pp.484-489.
2. **“AGGREGATION OF THE NETWORK BASED ROUTING ORIENTED STRATEGY”**,D.Suguna Kumari, Rayapati Venkata Sudhakar, B. Srinivasulu, Gudeme Jaya Rao published in Global Journal of Advanced Engineering Technologies, Vol2, Issue 4-2013 ISSN: 2277-6370
3. **“OPEN ACCESS VNC Viewer Authentication and Security Using Remote Frame Buffer Protocol”** ,D. Suguna Kuamari, B. Srinivasulu , G. Srinivas , G. Jaya Rao published in B. Srinivasulu et al Int. Journal of Engineering Research and Applications ISSN : 2248-9622, Vol. 3, Issue 6, Nov-Dec 2013, pp.1007-1011.



**C. Bharathi Priya** (staff id=1374) Assistant Professor

**Qualifications :** M.Tech (Computer Science) (University of Mysore), B.E(Information Technology) (Bharathiyar University).

**Experience:** 9 Years

**Research Interest:** Wireless Adhoc Networks, Cloud Computing,Image Processing

**Journal Publications/Conference Proceedings:** 2

**Journal Publications**

**National**

1. C.Bharathi Priya , “A survey on RCF based Data Dissemination Techniques for VANETs”, June 2011.

## Conference Proceedings

### International

1. C.Bharathi Priya, "Secure storage and Computing mechanisms in Cloud Environments", ISBN No. 978-93-85100-08-6, conference proceedings



**G.Lalitha** (Staff-id:1333) Assistant Professor

**Qualifications:** M.Tech(Computer Science and Engineering) (Vaagdevi institute of technology and science under JNTUA), B.Tech( Computer Science and Engineering)(JNTUA)

**Experience:** 2 years 9 months.

**Research Interest:** Data Mining, Computer networks

**Journal publications/Conference proceedings: 1**

### Journal publications

#### International

1. "A Dynamic En-route Filtering Scheme for Data Reporting in Wireless Sensor Networks" IEEE/ACM TRANSACTIONS ON NETWORKING, VOL. 18, NO. 1, FEBRUARY 2010.



**Santhosh Kumar Gottumukkala**, Assistant Professor

**Qualification:** M.Tech (Computer science of Engineering, JNTUK, 2014), B.Tech (Information Technology, AU, 2009)

**Experience:** 1year

**Journal Publications/Conference Proceedings: 01**

### Journal Publications

#### International

1. "An Efficient Web Service Based Mobile Search Engine" in International Journal of Engineering Trends and Technology (IJETT) – Volume 15 Number 7 – Sep 2014.



**P. Jyothi** (ID NO:1312) Assistant Professor

**Qualifications:** M.Tech(Computer Science And Engineering) (GRIET Autonomus under JNTUH), B.Tech (Computer Science And Engineering)(JNTUH).

**Experience:** 4 months.

**Research Interest:** Network Security

**Journal publications/Conference proceedings:** 1

### Journal publications

#### International

- 1 P.Jyothi "Minimizing Internal Data Theft in Cloud Through Disinformation Attacks" in International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE), Vol .2 ,Issue 9, September 2013.



**K. Sirisha**, Assistant Professor (ID NO:1330 )

**Qualifications:** M.Tech(Computer Science And Engineering)(TRR college of engineering and technology under JNTUH), B.Tech( Computer Science And Engineering)(JNTUH)

**Experience:** 3 months.

**Research Interest:** Network security

**Journal publications/Conference proceedings:** 1

### Journal publications

#### International

- 1 K.Sirisha "FACILITATING EFFECTIVE USER NAVIGATION THROUGH WEBSITE STRUCTURE IMROVEMENT" in International Conference on Computer & Communication Technologies.Vol .17 , March 2014.



**Sujana Pathuri, Assistant Professor**

**Qualifications:** M.tech(Information Technology)(JNTU, Kakinada), B.tech(Computer Science and Engineering)(Sri Padmavathi Mahila University)

**Experience:** 3 Months

**Research Interest:** Artificial Intelligence, Neuronal Computers

**Journal Publications/Conference Proceedings:1**

**Journal Publications**

**International**

1. Sujana Pathuri, "A Framework for Adaptive Mobile Video Streaming and Efficient Social Video Sharing in Clouds" in International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 2, Issue: 9 in September 2014.

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## INTRODUCTION

Department of Electronics and Communication Engineering (ECE) was established in the year 1997. It conducts a B.Tech program in ECE and two M.Tech programs in Embedded Systems and VLSI. The Department has several well-equipped laboratories, namely, Microwave Engineering, Digital Communications, Electronic Computer Aided Design and VLSI, Digital Signal Processing, Microprocessors and Microcomputers, IC Applications, Analog Communications, Electrical Engineering, Pulse and Digital Circuits, Electronic Circuit Analysis, Electronic Devices and Circuits, Simulation, Computer Programming, Engineering Drawing, Engineering Physics and Chemistry, and Advanced English Language Communication Skills.

The Department has been accredited by NBA first from 2006 to 2009 which was then renewed from 2009 to 2012.

The Department motivates students to take up innovative projects through participation in an active in-house product development Lab. Industry interaction is being promoted through several projects.





## Doctorates in ECE

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1.	Dr.T.C.Sarma	2007	57
2.	Dr.G. Mamatha	2013	10
3.	Dr.V Ayyem Pillai	2014	04
4.	Dr.Ch. Usha Kumari	2015	17

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. T.C.Sarma	MODROBS	AICTE	18	2013

## Research Mobilization for Research (TEQIP-II)

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	A.Radhanand	Embedded system to through Arduino	TEQIP-II	17,875	2013

## FACULTY AND THEIR PUBLICATIONS :



**Dr.T.C.Sarma**, HOD & Professor of ECE (ID-986)

**Qualifications:** B.E(ECE) 1973, AndhraUniversity, Ph.D (BITS,PILANI-2007)

**Experience:**10(Teaching) 37(Industry) **Research**

**Interest:***Reconfigurable Systems , Embedded Systems , Intelligent Systems*

**JournalPublications/Conference**

**Proceedings:** 57

**JournalPublications:**

**International Publications**

1. K.Sudha Rani, **Dr.T. C. Sarma**, Dr. K.Satya Prasad titled” “3DDicom Images Reconstruction Using Lab View” International Journal of Electrical, Electronics and Data Communication, ISSN: 2320-2084 Volume-2, Issue-1, Jan.-2014,Pg:20-22.
2. K.Sudha Rani, T.C. Sarma & K.Satya Prasad, Face Recognition Office Security System Using Lab View 8.6 , International Journal of Electronics, Communication & Instrumentation Engineering Research and Development (IJECIERD) Jun 2013, Vol. 3, Issue 2, pp:195-200.
3. K.SudhaRani, T. C. Sarma & K.Satya Prasad, Text File Encryption Using FFT Technique in Lab View 8.6, International Journal of Research in Engineering and Technology (IJRET), Sep 2012, Vol. 1 Issue 1, pp.29-45.
4. *T.C.Sarma, P.V.V.S.Rao,A.Venugopal,k.Chakradhar and P.Ravindra Kumar, Design of High Bit Rate Digital Correlators, IEEE TENCON–2003, Institute of Electronics and Electrical Engineering Region10 Technical Conference on Convergent Technologies for the Asia-Pacific, October 14– 17, 2003, Bangalore, India. IEEE Catalog No: 03CH 37503, Vol.4, pp 1485-1488.*
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2. *T.C.Sarma, et al., Satellite Image Processing System (SIPS) – Design and Development*, International Geoscience and Remote Sensing Symposium (IGARSS) 1989 held in conjunction with 12<sup>th</sup> Canadian Symposium on Remote Sensing and URSI Commission F held at University of British Columbia, Canada, July 10<sup>th</sup> – 14<sup>th</sup>, 1989 ( Paper IV Session D1 JUL 10, under the theme “Processing Systems”).
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4. *T.C.Sarma and C.V.Srinivas, S-Band MSMR Archival and Realtime System (SMART)* for IRS-P4 satellite, International Symposium on Advances in Microwave Remote Sensing Applications at CSRE, IIT – Mumbai, India, January 21 – 23 , 2003.
5. *T.C.Sarma, P.V.V.S.Rao and A.Venugopal*, “Design and Development of Remote Sensing Data Channel Performance Evaluator Simultaneously during the Video Data Download”, IEEE India Council, 29<sup>th</sup> Annual Convention IEEE ACE-2003, under the theme : Emerging Technology Trends, Pune, India December 12 – 13, 2003 .
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9. *T.C.Sarma, T.Lingam, A.Venugopal and T.Srujana*, “Design and Fabrication Considerations for EMI-EMC Compliance IRIG-A Timing System for Remote Sensing Satellite Data”, 36<sup>th</sup> Mid-Term Symposium on “Emerging and Futuristic Communication Systems” (EFCOS – 05) by IETE at IISC, Bangalore, April 29-May 01, 2005, pp. 185-192.



10. *T.C.Sarma and P.Srinivasulu* "Characterization of the Remote Sensing Data Acquisition through Simulation for Real time Data Acquisition", International Conference on Next Generation Communication Systems, ICON GENCOM-2006, Dec.9-11,2006, JK Institute of Applied Physics & Technology, Allahabad. Proceedings pp.226-229.
11. *T.C.Sarma and C.V.Srinivas*, "Modeling of a station to track the Overhead satellite passes for Remote Sensing satellites", International Conference on next generation communication System,ICONGENCOM-2006, Dec.9-11,2006, JK Institute of Applied Physics & Technology, Allahabad, Proceedings pp.243-245.
12. *T.C.Sarma and C.V.Srinivas*, "Design and Implementation of high bit rate satellite image data ingest and processing system", International Conference on Signal Processing, Communications and Networking (ICSCN 2007), by Dept. of Electronics Engineering, Madras Institute of Technology, Chennai, February 22-24, 2007,proceedings by IEEE publications management group, printed by Allied publishers, Chennai, pp 149-152
13. *T.C.Sarma and C.V.Srinivas* "Design and development of elevation independent tracking system for the remote sensing satellite data acquisition", International Conference on Signal Processing, Communications and Networking (ICSCN 2007), by Dept. of Electronics Engineering, Madras Institute of Technology, Chennai, February 22-24, 2007, proceedings by IEEE publications management group, printed by Allied publishers, Chennai, pp 204-207.
14. *T.C.Sarma, Venugopal and T.Srujana*, Realtime data quality assessment of remote sensing satellite data reception, IEEE TENCON 2007 scheduled to be held during October 30 – November 02, 2007, at Taipei International Convention Center, Taipei, Taiwan. (Accepted Paper ID # 00572).
15. *T.C.Sarma, A.Venugopal and T.Srujana*, Remote Configuration and management of cross point switch through evolvable Hardware, International Conference on Intelligent and Advanced Systems, ICIAS 2007, Scheduled for November 25-28, 2007, KL Convention Center, Kuala Lumpur, Malaysia by University of Technology PETRONAS. Paper ID # 15690 51497
16. *T.C.Sarma, PVVS Rao and A.Venugopal*, Analysis and Design of doppler compensated clock for synchronization during data loss from remote sensing satellites, International Conference on Intelligent and Advanced Systems, ICIAS 2007, Scheduled for November 25-28, 2007, KL Convention Centre, Kuala Lumpur, Malaysia by University of Technology PETRONAS. Paper ID # 15690 56207.



17. T.C.Sarma, PVVSRao and A.Venugopal, Analysis and design of Doppler compensated clock for Synchronization during the data loss from remote sensing satellites, International Conference on Signal Processing, Communications and Networking (ICSCN-2008) scheduled to be held at MIT, Chennai during Jan.04-06, 2008.
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19. T.C.Sarma & A.Venugopal, Near Realtime high speed satellite based data distribution system for remote sensing satellite Image data, for Indo-US Symposium on Data, Information & Knowledge Spectrum (ISDIKS- 2007), December 13-15, 2007, Amrita Viswa Vidyapeetham, Kerala State, India.
20. T.C.Sarma, Modelling and development of systems for the automated validation of antenna pointing accuracies for data reception from remote sensing satellites, for the IEEE International Conference on Industrial Technology (IEEE ICIT2008), April 21-24,2008,Sichuan University, Chengdu, China.
21. T.C.Sarma & A.N.Satyanarayana, Modelling of Tracking errors for Remote Management of Remote Sensing Satellite data acquisition, for an International Conference on Sensors, Signal Processing, Communication, Control and Instrumentation (SSPCCIN), scheduled from January 03-05, 2008 at VIT, Pune, India.
22. K.Sudha Rani, A.Swapna Rani, K.Mani Kumari, T.C.Sarma & K.Satya Prasad, Lab view Based Brain Tumor Area and Length Detection In CT and MRI Scan Images, 2nd International Conference on Computing, Engineering and Information Technology (ICCEIT 2013), Sept 20, 2013, pp: 71-74, Bangalore, India.
23. K.Sudha Rani, R.Ravindra Reddy, K. ManiKumari, T.C. Sarma & K.Satya Prasad, 3D DICOM Images Reconstruction using Lab view, International Academic Conference on Electrical, Electronics and Computer Engineering 2013(IACEEC2013), pp: 5-7, Nov 02, 2013, Bangalore, India.

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2. T.C.Sarma, et al .,"*Graphic Display System*",SAC/ISRO Publication SEO – SAC – PE06 – 76 – 02 – 5 – 02 in March 1976.
3. T.C.Sarma, et al.,'*Landsat Tape to TV Display*' NRSA-TR-0104 Volume 11 of 1980,.NRSA/DOS Publication.
4. T.C.Sarma, et al.,*A Scientific Excursion with Earth Station Complex*, NRSA – ESD – IR-02(A), Feb.1983, NRSA/DOS Publication.
5. T.C.Sarma,et al.,'*The Color Display System*' NRSA-TG-RRSSC-85-01/ Feb.1985,NRSA/DOS Publication.
6. T.C.Sarma K.K.Rao and R.Ravi Kumar, *Bit Error Analyser*, Seventeenth National Systems Conference (NSC – 93), Dec. 24<sup>th</sup> – 26<sup>th</sup>, 1993, IIT- Kanpur,Allied publishers,New Delhi,1993,pp. 53-56.
7. T.C.Sarma, P.Srinivasulu and B.Venunadha Babu, *High Density Digital Tape Certifier*, National Symposium on Electronic Product Design (NSEPD – 94), Feb.18<sup>th</sup> -20<sup>th</sup>, 1994, Aurangabad,Allied publishers, New Delhi,1994,pp. 139-144.
8. T.C.Sarma and P.V.Mathew, PC Based Tape Certifier System, 18<sup>th</sup> National Systems Conference( NSC – 94 , paper Code : CMM – 40 ), Faculty of Engineering, Dayalbagh Education Institute, Agra ,January 14 – 16, 1995.
9. T.C.Sarma, PVVS Rao and A.N.Satyanarayana, *AVHRR Data Link Analyser*,TROPMET-95,*Advances in Meteorology by Indian Meteorological Society*,Tata McGraw-Hill,New Delhi,,pp. 535-538.
10. T.C.Sarma and S.Yadagiri, Real-time AVHRR Data Monitoring System, TROPMET-95,*Advances in Meteorology by Indian Meteorological Society*,Tata McGraw-Hill,New Delhi,pp. 531-534.
11. T.C.Sarma, C.V.Srinvas and A.Venugopal, *PCBased Real-Time Direct Data Archival System for Metsat*, Tropmet 2000,National Symposium on Tropical Meteorology ,Feb1-4, 2000, proceedings by Indian Meteorological Society, pp 359-367.
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15. *T.C.Sarma and C.V.Srinivas*, "Remote Sensing Satellite Data Management System – D2R2T approach", National Conference on Recent Trends in Electronics and Instrumentation (RTEIT-2006) by Electronics and Telecomm and IT dept., SRE College of Engineering, Kopargon, July 28-29, 2006, under data mining and warehousing,pp. 137-143.
16. *T.C.Sarma and C.V.Srinivas*, "Real Time Remote Sensing Satellite Data display at remote location by using Broad Band Network," National Conference on Broad Band Communications Systems (NCBCS-2006), organized by VIIT, Pune, Sep 2-3, 2006,proceedings by Tata McGrawhill, New Delhi,pp 127-133.
17. *T.C.Sarma* "Technological Evolutions for the Next Generation Networking Systems", National Seminar on Role of Telecommunications for Betterment of Society ,by the Institute of Engineers (India), AP State Center ,Hyderabad ,July 15-16, 2006, pp. 1.43-1.49.
18. *T.C.Sarma and C.V.Srinivas*, "Station Control for Remote Sensing Satellite Data Acquisition", 41<sup>st</sup> National Convention of CSI 2006, Proceedings by Tata McGrawhill, New Delhi, 2006, pp. 289-292 .
19. *T.C.Sarma, C.V.Srinivas*, et al., "Realtime Data Acquisition Information Systems for Remote Sensing Satellites", 41<sup>st</sup> National Convention of CSI 2006, Proceedings by Tata McGrawhill, New Delhi, 2006, pp. 293-296.
20. *T.C.Sarma*, Realtime Space Imaging, National Workshop on Pattern recognition and Image Processing, Nagarjuna University, Guntur, AP, India, Dec. 18-20, 2006,proceedings by the university, pp. 139-148.
21. *T.C.Sarma*, Evolvable Hardwares for remote management of systems, National Workshop on VLSI and Image Processing,Chaitanya Bharathi Institute of Technology,Hyderabad,India,Dec.8-9,2006.
22. *T.C.Sarma*, Evolvable Hardwares, National Conference on Engineering Trends in Electronics (NCETE-2006), Maharashtra Academy of Engineering, Pune,India,Dec28-29,2006.
23. *T.C.Sarma*, "Reconfigurable Satellite data simulators for Remote Sensing Satellites",National Symposium on Instrumentation,(NSI-31),Oct.12-15, 2006, by ISOI and ITM at ITM, Gwalior (paper#209).

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27. T.C.Sarma, An automated approach for the information management for its life cycle in IT industry and its applications to remote sensing satellite data, for an all India seminar on "Role of IT in infrastructure development" conducted by The Institute of Engineers (India) at Andhra Pradesh Center ,Hyderabad, Feb 23-24,2008.
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**Dr. G.Mamatha** Professor (ID-1301)

**Qualifications:** BE from Mysore University(1991), MS from BITS Pilani(1995), Ph.D (Full time) from IIIT Hyderabad(2013)

**Experience:** 17 years (Teaching), 6 years (Research) Research

**Interest:** VLSI, Signal Processing Journal Publications/





**Conference Proceedings:10**

**Journal Publications**

**International Journals :**

1. Mamatha Samson, Madhulatha "Energy Efficiency Enhancement for 45nm 1Mb SRAM Array Structures" **International Journal of Computer Applications** VOL 105 No 5, November 2014, pp 16-20
2. Keerthi .V, Mamatha Samson "Design of BIST with Low Power Test Pattern Generator" **IOSR Journal of VLSI and Signal Processing** Volume 4, Issue 5, Ver. II (Sep-Oct. 2014), pp 30-39
3. Mamatha Samson "Effect of Phase of Noise on 6T SRAM cell", **IOSR Journal of VLSI and Signal Processing** Volume 4, Issue 3, Ver. I (May-Jun. 2014), pp 30-38
4. Mamatha Samson Stable and Low Power 6T SRAM **International Journal of Computer Applications** VOL 78 NO 2 September 2013 pp 6 -10
5. Mamatha Samson, "Static Performance Analysis of Low power SRAM" **IJCSNS International Journal of Computer Science and Network Security**, VOL.10 No.5, May 2010, pp 189-195

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1. Mamatha Samson, Satyam MandaValli "Adiabatic 5T SRAM" **International Symposium on Electronic System Design (ISED) 2011 (IEEE Co sponsored)** (19-21 December 2011, Kochi, India).
2. Mamatha Samson, "Performance Analysis of Dual Vt Asymmetric SRAM - Effect of Process Induced Vt Variations" **International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT2009** December 28 29, 2009, Trivandrum, Kerala, India.
3. Mamatha Samson, M.B Srinivas "Analysis of faults of drowsy SRAM cell considering the effect of process variation." **VLSI Circuits and Systems- SPIE EUROPE Micro technologies for the New Millennium 4 - 6 May 2009, Dresden, Germany.**
4. Mamatha Samson, M.B Srinivas "Analyzing N-Curve Metrics for Sub-Threshold 65nm CMOS SRAM" **proceedings of 8<sup>th</sup> IEEE Conference on Nanotechnology, 2008. (Nano'08) pp 25-28, (2008) 18-21 August, Arlington, Texas, U.S.A**
5. Mamatha Samson, M.B Srinivas "Read Stability and Write Ability Analysis of Dual -Vt Configurations of a single Cell of an SRAM Array-Effect of

Process-Induced Intra-Die Vt Variations” proceedings of 2<sup>ND</sup> IEEE International Nanoelectronics Conference(INEC008)pp 1015-1019,(2008)24-27 March, Shanghai, China.



**Dr. V Ayyem Pillai**, Professor of ECE (ID-1294)

**Qualifications:** AMIE(Electronics & Communication Engineering) 1998, Institution of Engineers, India, ME (Industrial Electronics), Maharaja Sayajirao University of Baroda, Ph.D ( Anna University)

**Experience:** 11Years (Teaching) 15 years (Industry-Indian Air Force)

**Research Interest:** *Antennas, Smart antennas, MIMO,Signal Processing*

**JournalPublications/Conference Proceedings:** 4

**JournalPublications:**

**International Publications1.**

1. **Ayyem Pillai, V & Sudhakar, R** 2013, 'A Low Complexity Near-Optimal MIMO Antenna Subset Selection Algorithm for Capacity Maximisation," **Hindawi**, International Journal of Antennas and Propagation, vol. 2013, Article ID 956756, 11 pages, 2013. doi:10.1155/2013/956756 (ISSN 1687-5869, Thomson Reuters JCR impact factor 0.827)
2. **Ayyem Pillai, V & Sudhakar, R** 'Computationally efficient norm-based capacity- Maximizing MIMO antenna selection algorithms', **Springer**, National Academy Science Letters- Published online DOI: 10.1007/s40009-014-0255-2 (ISSN 0250-541X, Thomson Reuters JCR impact factor 0.240).
3. **Ayyem Pillai, V**, "Decoupled Transmit/Receive Incremental Successive MIMO Antenna Selection For Capacity Maximisation" Journal of Theoretical and Applied Information Technology(E-ISSN 1817-3195 / ISSN 1992-8645) accepted for publication. (ScopusIndex)

**Conference Proceedings**

**International Conference**

1. **Ayyem Pillai, V & Sudhakar, R** 2013, 'V-BLAST detectors: Performance investigation in correlated condition and time analysis', Proceedings - 2013 IEEEInternational Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing, iMac4s, pp. 98-103, DOI:http://dx.doi.org/10.1109/iMac4s.2013.6526390



**Dr. Professor Usha Kumari Chintalapati,**  
(ID-1361)

**Qualifications:** B.Tech (ECE) 2003, M.Tech (Communication Engineering) AU-2005, Ph.D(JNTUH-2015)

**Experience:** 10 years

**Research Interest:** *Wireless Communications*

**Journal Publications/Conference Proceedings:** 17

**Journal Publications:**

**International Publications:**

1. **Ch.Usha Kumari**, Hinduja Annemalla “Estimation of Bit Error Rate and Mean Square Error in 4G Wireless Networks”, International Journal of Enhanced Research in Science Technology & Engineering (IJERSTE), Volume 4, Issue 3, pp.208-215, March 15
2. **Ch.Usha Kumari**, Deepika B “Spectrum Sensing Based on Enhanced Energy Detector in Cognitive Radio Communications”, International Journal of Scientific Engineering and Technology Research (IJSETR), Volume 4, Issue 2, pp.0195-0198, January 2015.
3. **Ch.Usha Kumari**, G.Sasi Bhushana Rao “Modelling of WCDMA Base Signal in Multipath Environment”, International Journal of Application or Innovation in Engineering & Management (IAIEM), Volume 3, No.3, pp.324-330, March 2014
4. **Ch.Usha Kumari**, G. Sasi Bhushana Rao, R.Madhu “Erlang Capacity Evaluation in GSM and CDMA cellular systems” : International Journal of Mobile Networks Communication & Telematics (IJMNCT), Volume 2, No. 5, pp. 25-32, October 2012
5. **Ch.Usha Kumari**, Srilatha Indira Dutt “Investigation of GDOP for Precise user Position Computation with all Satellites in view and Optimum four Satellite Configurations”: J. Ind. Geophys. Union , Vol.13, No.3, pp.107-116, July 2009

**Conferences Proceedings:**

**International Conferences/Symposium**

1. “Design and Implementation of Trellis Coded Modulation Scheme to Improve the BER of GPS Signal” in 2009 International Symposium on GPS/ GNSS November 4~6, 2009 ICC Jeju, Korea.



2. "GPS Receiver Position by Least Square Approximation Technique", in 2010 International Conference on Mobile Internet Devices December 17~18, 2010, at Gokaraju Rangaraju Institute of Engineering Technology Hyderabad.
3. "Next Generation Heterogeneous Wireless Networks Handover Probability Analysis Based on Equal Bandwidth Allocation", in 2010 International Conference on Mobile Internet Devices December 17~18, 2010, at Gokaraju Rangaraju Institute of Engineering Technology Hyderabad.

#### **National Conferences/Symposium**

1. **Ch.Usha Kumari**, "Side Lobe Reduction for Electromagnetic Compatibility using Arrays" in National Conference on Emerging And Converging Communication Technologies (SECT-07) on February 10~11,2007, at ANDHRA UNIVERSITY, Visakhapatnam
2. **Ch Usha Kumari**, G Sasi Bhushana Rao, R Madhu and K Rama Krishna, "Investigation of Path Loss and Shadowing Effects in Mobile Radio Channel" in National Conference on Advances in Communication Technologies (NCACT'12) on January 9~10, 2012, at GITAM Institute of Technology, GITAM UNIVERSITY, Visakhapatnam.
3. **Ch Usha Kumari**, G Sasi Bhushana Rao, R Madhu, Solomon Gotham, Ch Venkat Rao, "Investigation of Performance Analysis on Capacity for UMTS Cellular Networks" in conference on Advances in Communication, Navigation & Computer Networks (ACNCN-2012) on March 17~18, 2012, at Department of ECE, Andhra University College of Engineering (A), Visakhapatnam.
4. **Ch Usha Kumari**, G Sasi Bhushana Rao, R Madhu "Investigation of Capacity parameters for a 3G WCDMA Cellular Network" in national conference on Emerging Trends in Electronics and Communication Technologies, (NCECT'12) on 28<sup>th</sup> March 2012, at Department of ECE, JNTU College of Engineering (Autonomous), JNTU Anantapur.
5. **Ch Usha Kumari**, G Sasi Bhushana Rao, R Madhu, "Performance Analysis of GSM Cellular Network Traffic Capacity with Co-channel Interference", IETE Conference on Advanced Communications and Computer Technologies(ACCT-2012), July 6~7, 2012, NSTL Visakhapatnam.
6. G Sasi Bhushana Rao, **Ch Usha Kumari** and B Bharati Coverage and Capacity Prediction for WCDMA Air Interface Technology in the GVMC" in National Conference on Advances in Communication Technologies (NCACT'12) on January 9~10, 2012, at GITAM Institute of Technology, GITAM UNIVERSITY, Visakhapatnam



7. G Sasi Bhushana Rao, R Madhu, **Ch Usha Kumari** , Sweety Das, V Siva Bhaskara Rao, “Mobile Radio Channel Propagation Modelling for WCDMA Technology” in conference on Advances in Communication, Navigation & Computer Networks (ACNCN-2012) on March 17~18, 2012, at Department of ECE, Andhra University College of Engineering (A), Visakhapatnam
8. G Sasi Bhushana Rao, **Ch Usha Kumari**, “Propagation Characteristics of a Mobile Radio Channel in rural, Urban and Suburban areas for WCDMA Technology” in national conference on Emerging Trends in Electronics and Communication Technologies, (NCECT’12) on 28<sup>th</sup> March 2012, at Department of ECE, JNTU College of Engineering (Autonomous), JNTU Anantapur.
9. G Sasi Bhushana Rao, **Ch Usha Kumari** and V Sowjanya, “Evaluation of Erlang Capacity for CDMA and Wideband CDMA Cellular Systems”, IETE Conference on Advanced Communications and Computer Technologies (ACCT-2012), July 6~7, 2012, NSTL Visakhapatnam.



**V. Aravind**, Professor (ID-120)

**Qualifications:** Pursuing Ph.D.B.E. (ECE) (Thapar Institute of Engg & Technology, Patiala, 1988), M.S. (EE) Northern Illinois University, IL, USA, 2000)

**Experience:** 11 (Teaching) 14 (Industry)

**Research Interest:** Signal Processing, Image Processing, Multimedia, Embedded systems, Radio Frequencies

**Journal Publications/Conference Proceedings:** 1

**Journal Publications:**

**International Publications**

Hand-held Unit for Imaging ISSN: 2249-8958 International Journal of Engineering & Advanced technology



**Y. Sudarsana Reddy** Associate Professor (ID-126)

**Qualifications:** Pursuing Ph.D.B.E. (ECE) (Mysore University, 1993), M.Tech (DSCE) (JNTUA, 2005), M. Tech (DSCE) (JNTUH, 2011)

**Experience:** 18 (Teaching)

**Research Interest:** Optical, Embedded systems

**Journal Publications/Conference Proceedings:** 2

**Journal Publications:**

**International Publications**

1. Y.Sudarsana Reddy, K\_ Multiprocessor Group(KMG) Optimal Scheduling Algorithm for Reducing Preemptions and Migrations in RTS2. RTS Optimal Scheduling Algorithm-SBF9 for reducing of Preemptions and Migrations in Multiprocessor.



**K. Padmavathi**, Associate Professor (ID-614)

**Qualifications:** BE from Andhra University(2000), M.Tech from JNTUA(2005)

**Experience:** 13 years

**Research Interest:** Signal Processing

**Journal Publications/Conference Proceedings:** 8

**Journal Publications: International Publications**

- 1) Padmavathi Kora, K. Sri Ramakrishna, "Myocardial Infarction detection using DSKC6713" ,International Journal of Applied Engineering Research(IJAER)" Vol 10,No.1,pp. 2137-2148, 2015.(Scopus indexed).
- 2) Padmavathi Kora, K. Sri Ramakrishna, "Detection of Atrial Fibrillation using Autoregressive modeling" International Journal of Electrical and Computer Engineering(IJECE)" Vol. 5, No.1, pp. 64-70, 2015.(Scopus indexed).
- 3) Padmavathi Kora, K. Sri Ramakrishna, "Detection of Atrial Fibrillation using Continuous Wavelet transform and Wavelet Coherence" International Journal of Systems, Control and Communications(IJSCC), Inderscience Publisher ,Vol 6, No. 4, 2015.(Forth coming)(Scopus indexed).
- 4) Padmavathi Kora, K. Sri Ramakrishna, "Classification of Bundle Branch using Magnitude Squared Coherence", ARPN Journal of Engineering and Applied Sciences. (Selected)(Scopus indexed)
- 5) Padmavathi Kora, K. Sri Ramakrishna, A Hybrid of Bacterial Foraging and Particle Swarm Optimization for detecting Bundle Branch Block Springerplus Journal(Selected)(SCI Expanded)
- 6) Padmavathi Kora, K. Sri Ramakrishna, Improved Bat algorithm for the detection of Myocardial Infarction, Springerplus Journal (Selected). (SCI Expanded)

## Conference Proceedings

### International

- 1) Padmavathi, K., & Sri Ramakrishna, K. (2014, November). Myocardial infarction detection using magnitude squared coherence and Support Vector Machine. In *Medical Imaging, m-Health and Emerging Communication Systems (MedCom), 2014 International Conference on* (pp. 382-385). IEEE.
- 2) K.Padmavathi, K.Sri Ramakrishna, "Classification of ECG signal during Atrial Fibrillation using Autoregressive modeling", International conference on Information and Communication Technologies, Elsevier Procedia Computer Science, Kerala University of Science and Technology, Kerala, December 2014.



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**Qualifications:** Pursuing Ph.DB.Tech (ECE) (Nagarjuna University, 2001), M.E. (ECE) (Osmania University, 2006)

**Experience:** 13 years

**Research Interest:** Digital Signal Processing, Wireless Embedded Networks

**Journal Publications/Conference Proceedings:** 9

**Journal Publications**

### International Publications

1. T. Jagannadha Swamy, "Novel Energy Efficient Dynamic Routing Protocol for Wireless Sensor Networks, (IJARCS), 5(7), 2014, pp 9-15.
2. Energy Efficient Architecture to Cognitive Radio Wireless Sensor Networks International Journal of Computer Networks and Wireless Communications (IJCNWC), ISSN: 2250-3501
3. Non Uniform Grid based Cost minimization in Wireless Sensor Networks International Journal on Wireless Networks and Broadband Technologies (IJWNBT) DOI: 10.4018/IJWNBT, ISSN: 2155-6261, EISSN: 2155-627X.

## Conference Proceedings

### International Proceedings

1. "Link Evaluation of Uniform Grid Based Wireless Sensor Networks to Base Station with Leveling and Clustering ICCCI 2013 DOI: 10.1109/ICCCI.2013.6466146.
2. Spectrum sensing: Approximations for Eigen value ratio based detection ICCCI 2012 DOI: [10.1109/ICCCI.2012.6158914](https://doi.org/10.1109/ICCCI.2012.6158914)

3. Maximizing the overall throughput of Radio Frequency Spectrum Management in Cognitive Radio Environment ICACM 2011 ISBN:978-93-81269-40-4
4. Adaptive Digital Beam forming for Radar antennas National Congress on CCAES

#### National Proceedings

1. DEEP: Dynamic Energy Efficient Protocol to Wireless Sensor Networks for Secure Routing ICMID 2010
2. Adaptive Digital Beam forming for Radar antennas National Conference on CCAES



**K.N.B.Kumar**, Assoc. Professor (ID-676)

**Qualifications:** Pursuing Ph.D.B.E. (ECE) (Andhra University, 1987), M.Tech (CS) (BIT- Mesra, Ranchi, 2002)

**Experience:** 6(Teaching) 20(Industry)

**Research Interest:** Reconfigurable Systems, Wireless Communications, Embedded System Design

**Journal Publications/Conference Proceedings:** 2

#### Conference Proceedings:

#### International Proceedings

1. Bandwidth Efficient Remote Data Acquisition for Internet ICMID 2010

#### National Proceedings

1. A systems approach to driver assistance systems in Low visibility conditions ASR-NSC 2009



**A. Radhanand**, Assoc. Professor (ID-677)

**Qualifications:** Pursuing Ph.D.B.E. (ECE) (Andhra University, 1983), M.S. (Software Systems) (BITS- Pilani, 2005), M.Tech (ECE) (JNTU-H, 2008)

**Experience:** 6(Teaching) 20(Industry)

**Research Interest:** Microcontrollers, Sensors, Image Processing, Digital Signal Processing

**Journal Publications/Conference Proceedings:** 2



**Conference Proceedings:**

**International Proceedings**

1. ICMID 2010 The case for Reconfigurable Hardware as a platform for Mobile Internet Devices (MIDS)

**National Proceedings**

1. A systems approach to driver assistance systems in Low visibility conditions ASR-NSC 2009



**M. Kiran**, Assoc. Professor (ID-403)

**Qualifications:** B.Tech (ECE) (Acharya Nagarjuna University, 2001), M.Tech (C&C) (JNTU-K, 2007)

**Experience:** 11 yrs

**Research Interest:** Computers and Communications, Wireless Communication

**Journal Publications/Conference Proceedings:** 2

**Conference Proceedings:**

**International Proceedings**

1. Pavan Kumar, M.O.V.; Kiran, M., "Design of optimal fast adder," Advanced Computing and Communication Systems (ICACCS), 2013 International Conference on, vol., no., pp.1,4, 19-21 Dec. 2013, Publisher: IEEE doi: 10.1109/ICACCS.2013.6938692
2. L.Sujitha, M.Kiran, "LUT Design using OMS Technique for memory Based realization of FIR Filter", IJERT, 9/1/2014, Vol-2 (6).



**N. Swetha**, Assoc. Professor (ID-479)

**Qualifications:** Pursuing Ph.D. B.Tech (ECE) (JNTU-H, 2003), M.Tech (ECE) (JNTU-H, 2009)

**Experience:** 11 yrs

**Research Interest:** Embedded Systems

**Journal Publications/ Conference Proceedings:** 5

**International Journals:**

1. Raveena Raghunath, N. Swetha, "A Review of pathloss models of spectrum sensing in cognitive radio networks", International Journal of Engineering Research and Technology, Volume 4, Issue 4, April 2015.



2. N. Swetha, P. Narahari Sastry, Y. Rajasree Rao, : “Spectrum Sensing Analysis using PSD based Entropy Detection of DVB-T signal”, ARPN Journal of Engineering and Applied Sciences, Volume 9, No. 12, December 2014.
3. S. Sahithya, N.Swetha, “Real Time Vehicle Tracking System using GPS and GPRS”, International journal of Research in Computer and Communication Technology, Vol 3, Issue 10, October 2014

#### Conference Proceedings:

##### International

1. N. Swetha, Y. Rajasree Rao, P. Narahari Sastry: “Analysis of Spectrum Sensing based on Energy Detection method in Cognitive Radio Networks”, Proc. International Conference on IT Convergence and Security, October 2014, pp 53-56.
2. Acoustic Emission Sensing Using Zigbee and Mobile Internet Devices(Mids) for Identifying Structural DamagesICMID 2010



**G.V.Subba Reddy**, Assoc. Professor (ID-579)

**Qualifications:** B.Tech (ECE) -2002, M.Tech (VLSI) (JNTU- 2007)

**Experience:** 12 yrs

**Research Interest:** VLSI, Signal Image & Video Processing.

**Journal Publications/ Conference Proceedings:**2

##### International Journals:

1. G.Nagaraju, G.V. Subba Reddy “ Design and Implementation of 128x128 Bit Multiplier by Ancient Mathematics” on volume2, issue 9, IJRIT-2014
2. D. Sudha, G.V. Subba Reddy “CMOS Digital based Technology for Static Power Reduction in Nanoscale circuits” on volume 2, issue 9, IJRIT-2014



**D.L. Chaitanya**, Assoc. Professor (ID-461)

**Qualifications:**Pursuing Ph.D B.Tech (ECE) (SKUniversity, 2005), M. Tech (ECE) (JNTUH University, 2010)

**Experience:** 9 yrs

**Research Interest:** VLSI

**Journal Publications/Conference Proceedings:** 4

1. B.Sowmya, Mrs. D.L.Chaitanya, "Upgraded MBIST with March-C algorithm testing towards RFID Memories", Proc. International Journal of Research in Electronics and Communications Engineering" 2(5), July-Aug. 2014.
2. D.L.Chaitanya, "A review of Different Spectrum Sensing Methods in Cognitive Radio Networks", PARIPEX-Indian Journal of Research, May 2015.

#### Conference Proceedings:International Proceedings

1. Mrs. D.L.Chaitanya, "Acoustic Emission sensing using Zigbee and Mobile Internet Devices (Mids) for Identifying structural Damages". ICMID 2010.
2. Mrs. D.L.Chaitanya, "A review of Different Spectrum Sensing Methods in Cognitive Radio Networks" "International Conference on Innovations in Electronics and Communication Engineering (ICIECE-2014)" organized by ECE Dept., at Gurunanak Institutions, Hyderabad
3. Acoustic Emission Sensing Using Zigbee and Mobile Internet Devices (Mids) for Identifying Structural Damages ICMID 2010



**K. Jamal**, Assoc. Professor (ID-656)

**Qualifications:** Pursuing Ph.DB.Tech (ECE) (JNTU, 2003), M.Tech (VLSI Design) (Bharath University, Chennai 2005)

**Experience:** 6 (Teaching) 3 (Industry)

**Research Interest:** VLSI

**Journal Publications/Conference Proceedings:** 6

1. B.Srinivasulu Reddy, K.Jamal, "SIC Vector Generation using Test per Clock and Test per Scan" IJERT, 11/1/2014, Vol-2 (8).

#### Conference Proceedings:

#### National Proceedings

1. Implementation of low power multiplier in Digital FIR filter NCCCI'122. Optimized Implementation of RNS Arithmetic Based on FPGAs NCSIP-2012

#### International Proceedings

1. Mr. K. Jamal "Analysis of Test Sequence Generators for Built-In Self-Test Implementation" in 2<sup>nd</sup> International Conference on Advanced Computing and Communication Systems (ICACCS -2015), Sri Eshwar College of Engineering, Coimbatore.

2. **Mr. K.Jamal,** "Pseudo Random Test Pattern Generation with CA, LFSR & GCG for BIST Implementation and their Comparison" - "International Conference on Innovations in Electronics and Communication Engineering(ICIECE-2014) Gurunanak Institutions,Hyderabad .
3. Pseudo random number generation using LFSR and low power LFSR, ICPCES-2014, Anna University Chennai.



**K.Swaraja,** *Asst. Professor (ID-1241)*

**Qualifications:** Pursuing Ph.DB.Tech (ECE) (JNTUA,2001), M.Tech (ECE) ((JNTUH,2006),

**Experience:** 14yrsTeaching

**Research Interest:** Image and Video processing, Communications

**JournalPublications/Conference Proceedings:** 7

#### JOURNAL PUBLICATIONS

1. K.Swaraja, Y.Madhavee latha and V.S.K.Reddy, "The Imperceptible Video Watermarking based on region of motion vectors in P-Frames", International Journal of Advances in Computational Sciences and Technology. ISSN 0973-6107 Volume 3, Number 3 (2010) pp. 335-348.
2. K.Swaraja, Y.Madhaveelatha, V.S.K.Reddy, "A secure method of optimized low complexity video watermarking", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 4, MARCH 2015, ISSN 1819-6608, PP.1822-1827.

#### Conference Proceedings:

##### National Proceedings

1. K. Swaraja, Y. Madhavee latha and V.S.K.Reddy "Different Video Watermarking Techniques and Comparative analysis: A Survey", in Proc.Nat. Conf. Signal Processing & Communications, SPCOM, 2009, pp. ,Dec 4-5, 2009, Malla Reddy College of Engineering and Technology, Hyderabad.
2. K. Swaraja, Y. Madhavee latha and V.S.K.Reddy "Video Watermarking in motion vector using Temporal Synchronization" , in Proc.Nat. Conf. Signal Processing & Communications, SPCOM, Dec 23-24, 2010, pp.185-190, Malla Reddy College of Engineering and Technology, Hyderabad.



3. K. Swaraja, Y. Madhavee latha and V.S.K.Reddy "Video Watermarking in motion vector based on visual masking", in Proc.Nat. Conf. Signal Processing & Communication system design, Feb 3-4, 2014, pp., Malla Reddy Engineering College for Women, Hyderabad.International

**Proceedings:**

1. K.Swaraja, Y.Madhavee latha, V.S.K Reddy," video watermarking based on motion vectors of H.264", India conference (INDICON), 2011, Annual IEEE Conference on Engineering Sustainable Solutions, Dec 16-18, 2011 on page(s), 1-4, Hyderabad, India, ISBN: 978-1-4577-1110-7.
2. K.Swaraja, Y.Madhaveelatha, V.S.K.Reddy, "A Prestine Digital Video Watermarking in H.264 Compressed domain", IEEE International conference on computational intelligence and computing research, Dec 18-20, 2014, ICCIC1400521.



**M.O.V. Pavan Kumar**, Assistant Professor (ID-605)

**Qualifications:**M.Sc. (Electronics) (Acharya Nagarjuna University, 2003), M.Tech (ECE) (Satyabhama University, 2007)

**Experience:**8 yrs

**Research Interest:** VLSI Design/ Digital System Design, Digital IC Design

**JournalPublications/Conference Proceedings: 2**

1. B.Navya Teja, M.O.V.Pavan Kumar, "Architecture and Implementation of OFDM Transmitter and Receiver", IJSET, Vol. 3(9), Pg 2504-2507, Sep. 2014.

**Conference Proceedings:International Proceedings**

1. Pavan Kumar M.O.V, Kiran.M., "Design of optimal fast adder," Advanced Computing and Communication Systems (ICACCS), 2013 International Conference on ,vol., no., pp.1,4, 19-21 Dec. 2013,Publisher:IEEEdoi: 10.1109/ICACCS.2013.6938692



**K.N.V. Khasim**, Assistant Professor (ID-646)

**Qualifications:**B.Sc. (M.P.E.) (Nagarjuna University, 2005), M.Sc. (Electronics) (Andhra University, 2007), M.Tech (Communication Systems),(Andhra University, 2012)

**Experience:** 5 yrs

**Research Interest :** Communication Systems,Embedded Systems.

**JournalPublications/Conference Proceedings: 5**

**Journal publications:**

**International publications**

1. "Design of The CAN Bus Booster Pack and The Implementation of the CAN Protocol", International Journal of Research in Computer and Communication Technology, Vol 3, Issue 10, October – 2014.
2. Implementation of a Turbo Encoder and Turbo Decoder on DSP Processor-TMS320C6713(IJERD,Volume 2, Issue 5 July 2012)
3. Convolutional Code of Rate  $2/3$  to Approach the Theoretical Limit Imposed by Shannon's Channel Capacity(IJCSST Vol. 2, SP 1, December 2011)

**Conference Proceedings:**

**International Proceedings**

1. Enhanced Image Transmission using Turbo Codes And 16QAM with Iterative De-Noising Algorithm(*Joint International Conference on Swarm, Evolutionary & Memetic Computing (SEMCCO) and Fuzzy & Neural Computing Conference (FANCCO) - 2011*)
2. Impulse Noise Detection and Filtering Based on Adaptive Weighted Median Filter(ACNCN-2012)3. Pavement image Analysis Using Radon Transform(ACNCN-2012)



**Mrs.M.Suneetha** (ID:645)Assistant Professor

**Qualifications:**B.E(E.C.E.)(Nagarjuna University-2001), M.Tech (Embedded Systems) (Nagarjuna University 2007)

**Experience:** 8 yrs

**Research Interest:** *Digital Signal Processing*

**JournalPublications/Conference Proceedings:1**

**JournalPublications:**

1. Yasaswini chowdary Mrs. M.Suneetha, "FPGA Based Wireless Jamming Networks", IJSEAT, 9/1/2014, Volume- 2 (9).



**Mr. N.Madhusudhana Rao** (ID:556) Assistant Professor

**Qualifications:**B.E(E.C.E.) (AnnaUniversity-2006), M.Tech (Embedded Systems) (JNTUH2012)

**Experience:** 6 yrs

**Research Interest:** Communication Systems, DSP

**JournalPublications/Conference Proceedings:** 1

**JournalPublications:**

1. R.Vamsi Krishna,Mr. N.Madhusudhana Rao, "Area Delay efficient Binary addres in QCA", IJMMR,1(10),Pg 169 to 174, Oct. 2014.



**R.S. Uma Suseela** (ID:857)Assistant Professor

**Qualifications:**B.Tech(E. C. E.)(JNTU-2003)M.Tech (Computers&Communications) (JNTUK-2006)

**Experience:** 5 yrs

**Research Interest:** Communication Systems, DSP

**JournalPublications/Conference Proceedings:** 1

**JournalPublications:**

Karthik.Ch., R.S. Uma Suseela "Design and Simulation Five Port Router using Verilog HDL" IJVDCS, Vol.3,Issue-2,Feb.2015



**K.Nagaja** (ID:871) Assistant Professor

**Qualifications:** B.E (ECE) (Periyar University, Tamil Nadu, 2003), M .Tech (ES) ( Bharat University, Chennai, 2011)

**Experience:** 6 yrs

**Research Interest:** *Embedded Systems, Communication Systems*

**JournalPublications/Conference Proceedings:** 1

**JournalPublications:**

1. K.Nagaja "Monitoring of an Agricultural Environment using WIFI", Global Journal of Engineering Science and Researches, December, 2014.



**V.Hima Bindu** Assistant Professor(ID:876)

**Qualifications:** B.Tech(E.C.E.)(2002), M.E (ECE) (2005)

**Experience:** 6 yrs

**Research Interest:** *Wireless Communication*

**JournalPublications/Conference Proceedings:** 1

**JournalPublications:**

1. N. Pavan Kumar, Mrs. Hima Bindu. Valiveti "Automatic Measuring and Recompense System for monitoring Health Management process for Automobiles" in International Journal Science Engineering and Advanced Technology, ISSN 2321-6905, Vol-2,Issue-8, Pg:286-291,August '14



**G L SUMALATA** Assistant Professor (ID 961)

**Qualifications:** B.Tech(E.C.E.) (JNTU, 2003), M.Tech (Embedded Systems) (JNTUH2011)

**Experience:** 8 yrs

**Research Interest:** Embedded Systems,VLSI

**JournalPublications/Conference Proceedings:** 2

**Conference Proceedings:**

National Conference Paperspaper on "To design and implement Data acquisition system based on ARM AND CAN protocol "at GITAM,VIZAG on 9<sup>th</sup> JAN 2012 on NCÁCTInternational Conference Papers

1. "Fast Fourier Transformation of Vibration Signals Using Qt Creator" on IJMETMR (INTERNATIONAL JOURNAL ANDMAGAZINE OF ENGINEERING, TECHNOLOGY,MANAGEMENT AND RESEARCH Volume No: 2 (2015, Issue No: 2 (February)
2. Paper on "To design and implement remote data monitoring control through web and recording system based onARM ON JUNE 2012 in ICIECE





**Mr. Md Javeed Mehdi** Assistant Professor (ID:954)

**Qualifications:**B.Tech-(ECE),(JNTU,2002), M.Tech (Embedded Systems) (JNTUH,2012)

**Experience:** 4 yrs

**Research Interest :** *Microprocessors, Microcontrollers, Embedded Systems*

**Journal Publications/ Conference Proceedings:** 2

#### Journal Publications

1. Sai Sridhar,Mr. Md Javeed Mehdi, "Wireless Sensor Networks for Civil Structural health monitoring using GPS and GSM Module", IJSET,Vol- 2, Issue No.8,PP.No 280-285, Aug. 2014.
2. A.Usha Kiran, Mr. Md Javeed Mehdi, "Design and analysis of Blow fish and AES algorithm using VHDL", International Journal of VLSI system Design and Communication system, 10/1/2014, 2(8).



**Ch. Pratyusha Chowdari** Assistant Professor (ID:937)

**Qualifications:**B. E (ECE) (ANDHRA UNIVERSITY,2009), M.Tech (VLSI DESIGN) (ANDHRA UNIVERSITY,2011)

**Experience:** 3 yrs

**Research Interest:** *VLSI & COMMUNICATIONS*

**JournalPublications/Conference Proceedings:** 1

#### Journal Publications

Ch. Arvind, Ch. Pratyusha Chowdari," BER Performance Analysis of Grouped Orthogonal Frequency Division Multiplexing Interleave Division Multiple Access" Global Journal of Engineering Science and Researches, February 2015.



**D. Sudha Assistant** Professor (ID:1057)

**Qualifications:** B.Tech(ECE) (JNTU, 2004), M.Tec h(VLSI) (JNTUA-2007)

**Experience:** 5 yrs

**Research Interest:** VLSI

**JournalPublications/Conference Proceedings:** 1

**JournalPublications:**

1. D. Sudha, G.V. Subba Reddy “CMOS Digital based Technology for Static Power Reduction in Nanoscale circuits” on volume 2, issue 9, IJRIT-2014



**A. Ambika**, Assistant Professor (ID-1103)

**Qualifications:** B.Tech (ECE) (AU,2008), M.Tech(ECE) (JNTUK,2012)

**Experience:** 4 yrs

**Research Interest:** VLSI/Journal Publications/ Conference Proceedings: 1

**JournalPublications:**

**International Publications1.**

Matlab simulation for diversity and performance enhancement of OSTBC-CDMA system using channel coding techniques over multichannel.-Recent Science-2012



**Swathi Karumuri** (ID:1285)

**Qualification:** B.tech(2008), M.tech (2014)

**Experience:** 3 years

**Research Interest:** VLSI/Journal Publications/ Conference Proceedings: 1

**Conference Proceedings:**

1. Swathi Karumuri, “FPGA Implementation of Fault Tolerant Embedded RAM using BISR Technique”, International Conference On Current Innovations In Engineering And Technology International Association Of Engineering & Technology For Skill Development,ISBN: 378 - 26 - 138420 – 5, Sept. 2014



**M.Navya** (ID:1298)

**Qualification:** B.tech(2008), M.tech (2014)

**Experience:** 3 years

**Research Interest:** Embedded Systems/Journal Publications/Conference Proceedings: 1

**JournalPublications:**

1. M.Navya “Android Based Children Tracking System Using Voice Recognition”, IJCSMC, Vol. 4, Issue. 1, January 2015, ISSN 2320-088X, pg.229 – 235.



**G.Pradeep Reddy**, Asst.Professor of ECE(ID-1332)

**Qualifications:** B.Tech (Electronics & Communication Engineering) 2007, JNTUH, Telangana, India, M.Tech (Communication Engineering) 2010, VIT University, Vellore, Tamilnadu.

**Experience:** 6 (Teaching),1(Research)

**Research Interest:**

*Ultra Wide Band Communications*JournalPublications/Conference

**Proceedings: 4**

**JournalPublications:**

**International Publications**

1. G.Nagaraja, Pradeep Reddy.G titled “Anatomization of Medical Image Segmentation with Novel Proposal” International Journal of Engineering and Computer Science, ISSN: 2319-7242 Volume 4 Issue 6, June 2015, Page No. 12766-12773.
2. O. Ravi Kumar, G. Pradeep Reddy, Gerardine Immaculate Mary titled “Source Localization Techniques for UWB Context Aware Applications”CIIT international journals,ISSN: 0974 – 9640, Vol 2 No 9, 2010, Page No.292-296.

**Conferences Proceedings:**

**International Proceedings**

1. B.Bharath, G.Pradeep reddy,et al..,”DIP Coated Thick Films of SnO<sub>2</sub> and It’s Ethanol Sensing Properties” was presented in the IEEE international conference on Applied Physics Mathematics (IEEE ICAPM 2011)(978-1-4244-9817-8)
2. G. Pradeep Reddy, Gerardine Immaculate Mary et al..,”UWB Indoor Channel profile identification with orthogonal hermite pulses” was presented in 3rd IEEE International Conference on Computer Science and Information Technology, 2010.(978-1-4244-5539-3)



**K. Sravani** ( Id:1306)

**Qualification:** B.tech (2012), M.tech (2014)

**Experience:** 4 months

**Research Interest:** VLSIJournal Publications/  
Conference Proceedings:1

**Journal Publications:**

1. "Efficient technique of data hiding in encrypted images", International Journal of Science, Engineering and Technology Research, Volume 3, Issue 9, September 2014,2508-2510



**Pallavi Dilipsathawane** Id:1307

**Qualification:** B.E (electronics), passed out 2011, RTMNU, NagpurM.tech (vlsi),2014, JNTUH,

**Experience:** 4 months

**Research Interest:** VLSIJournalPublications/Conference Proceedings:1

**Journal Publications**

1. "An Optimal Low Power Adaptive Filter Design for Noise Reduction" in International Journal of Science, Engineering and Technology Research, Vol.3.Issue...9. .September 2014, pp.2405.-.2410.



**G. Nagaraju** Id:1311

**Qualification:** B.tech (2012), M.tech (2014), JNTUH

**Experience:** 4 months

**Research Interest:** VLSIJournalPublications/Conference Proceedings:1

**JournalPublications:**

1. Design and Implementation of 128 x 128 Bit multiplier by Ancient Mathematics in IJERT, Volume. 3, Issue. 09, September – 2014,pp.1363-1366



**G. Meera** - Id: 1320

**Qualification:** B.tech (2009), M.tech (2014)

**Experience:** 4 months

**Research Interest:** SDR(Software defined Radio) and 5G cellular communication  
**Journal Publications**

**Conference Proceedings:1**

**Journal Publications:**

1. "A Novel Power Reduction Design using Approximate Adders for Inexact Computing" in International Journal of Science, Engineering and Technology Research, Volume...3.Issue...10.,,October-2014, pp.2565-.2569



**K.Sarvani** Id:1321

**Qualification :** B.tech(2010), M.tech(2014), JNTUH

**Experience:** 4 months  
**Research Interest:** Biomedical imaging and sensing, bio medical area, sensor networks

**JournalPublications/Conference Proceedings:1**

**Journal Publications**

1. Fault coverage circuit with Bist architecture for efficient hardware utilization for testing applications, International journal for scientific research and development,Vol.3,Issue-5,2015



**G.Bindu Madhavi** Id:1323

**Qualification:** B.tech-JNTUK(2012),M.tech (2014), Gitam university

**Experience:** 4 months

**Research Interest:** RF AND ME  
**Journal Publications**

**Conference Proceedings:1**

**Journal Publications**

1. Analysis of gap impedance in double gap cavity for klystron at s-band, International Journal of Multi Disciplinary Sciences and Research Volume-1;Issue 6 ISSN:2321-4872 January 2014

# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## INTRODUCTION

Department of Electrical and Electronics Engineering was established in the year 1997. It conducts B.Tech & M.Tech programmes in Electrical and Electronics Engineering. The Department has well- equipped laboratories. It focuses on practical applications in the field of Power Electronics Control Systems & Power Systems.

The Department is accredited by NBA in 2006, 2009 and in 2014. In addition to quality teaching, students are exposed to certification courses and workshops along with personality development programs. Furthermore, required training is imparted to the interested students to prepare for competitive examinations such as GATE, CAT etc. The gradual increase in the number of participants and competitors for various programs and the growing number of placements reflects the impact of these programs.

The department is strengthened with a total of 37 faculties out of which 5 are Doctorates and 4 are pursuing PhD's and 28 are holding M.Tech degree. The department has organized many workshops in collaborations IIT Bombay, IIT Madras, IIT Hyderabad and IIT Kharagpur.

## Doctorates in EEE

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1	Dr. J. Praveen	2007	73
2	Dr. D. V. Pushpalatha	2012	24
3	Dr. J. Sridevi	2014	12
4	Dr. S. V. Jayaram Kumar	2000	25
5	Dr. D. G. Padhan	2012	20

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. J. Praveen	Design of 250kVA Dynamic Voltage Restorer for Power Quality Improvement	Young Scientist, DST, MHRD, Government of India	28.6 Lakhs	2015
2.	Dr.D.V.Pushpa Latha	Implementation of Fuzzy Logic Controller for Linear Induction Motor based Magnetic Levitation	Young Scientist, DST, MHRD, Government of India	25.2 Lakhs	2015
3.	Dr.D.V.Pushpa Latha	Thermal analysis and management of high power short endurance electrical machines	Women Scientist, INSA, New Delhi..	PED Accepted	2015
4.	V.V.S.Madhuri	Solar Simulator	MSME Programme, 2014, Government of India	8 Lakhs	2014
5.	Mr.V.Vijaya Rama Raju	Computerization and Automation of Electrical Machines Lab	MODROBS	9.2 Lakhs	2009
6.	Dr. S.N. Saxena	Seminar Grant	AICTE	1.5 Lakhs	2009

## FACULTY AND THEIR PUBLICATIONS :



**P.S.Raju, PROFESSOR, Dept.EEE (ID-197)**

**Qualifications:** M.Tech in Power systems from Andhra University(1968) B.Tech ( Electrical and Electronics Engineering ) (1966).

**Experience: 48**

**Research interest:** Power Systems, Power Electronics

**Journal Publications/Conference Proceedings: 11**

### National Journals

1. Raju P S, "*Problems in state estimation of power system*", Electrical India, Vol. 15, June 1977.
2. Raju P S, "*Load Flow studies on practical power systems*", Electrical and Electronics World, No.1, Vol.4, 1976.
3. Raju P S, "*A digital approach to the determination of steady state regime from Park's equations*", Electrical India, Feb 1976.
4. Raju P S, "*An arithmetic statement translator*", CSI, Jan. 1976.
5. Raju P S, "*Computerization of LT consumer bills and receipts*", Electrical and Electronics World, No.3, Vol.3, 1975.
6. Raju P S, "*Data path tracing in a digital processor*", CSI, July 1975
7. Raju P S, "*A FORTAN routine for finding the driving point and transfer impedances of a large power system from raw system data*", Electrical India, 15 June 1975.
8. Raju P S, "*Optimum rescheduling of real power generation*", Indian Journal of Power and river valley development, April 1975.
9. Raju P S, "*Resynchronization of alternators in regulated power systems*", Indian Journal of Power and river valley development, Jan. 1974
10. Raju P S, "*State estimation in power systems*", Indian Journal of Power and river valley development, July 1973.
11. Raju P S, "*Influence of prime-mover regulation on the process of resynchronization of turbo alternators*", Indian Journal of The Institution of Engineers (India), Oct. 1972.





**Dr. J PRAVEEN**, PROFESSOR and HOD of Dept. EEE  
(ID-1079)

**Qualifications:** Ph.D from Osmania University in Power Electronics(2007) **M.Tech** (2000) Energy Systems from JNTU,Hyderabad, **B.Tech** ( Electrical and Electronics Engineering ) from Osmania University (1998).

**Experience: 18yrs**

**Research interest: Power Electronics**

**Journal Publications/Conference Proceedings: 73**

#### **International Journals**

1. Vinay Kumar. A, **Dr. J Praveen**, Dr. S Tarakalyani “PQ Improvement By Moderation of Multi-Level Inverter Controlling Techniques And Intensifying The Performance of DVR” published in International Journal of Advances in Electrical and Electronic Engineering (AEEE) journal in the month of June 2015 with the **Vol.13 No.2 (2015)** page no.s from 107-114.
2. N. Srinivasa Rao , Dr. A. Selwin Mich Priyadharsonb , **Dr. J. Praveen**,” Simulation of Artificial Intelligent controller based DVR for power quality improvement”, published in ELSEVIER International journal of procedia Computer Science 47 (2015) 153– 167, Available online at [www.sciencedirect.com](http://www.sciencedirect.com).
3. N.Srinivasa Rao, **Dr J.Praveen**, Dr K.Rajan “A New Multifunctional DVR for Compensation of Voltage Sag”, published in International Journal of Electrical, Electronics and Telecommunications Engineering ISSN: 2051-3240, Vol.45,2014 Special Issue.1 – pp 526-531
4. DCK Reddy, **J.Praveen**,” Kalman Filter Based Unified Power Quality Conditioner For Output Regulation”, published in international journal on Advances in Electrical and Electronic Engineering, Vol 4, No.3, 2014, Research India Publications PP 247-252. ISSN 2231-1297
5. K Hussain, **J Praveen**, “A Seven Level Cascaded Multilevel Inverter Based Dynamic Voltage Restorer”, Published in International Journal of Electrical, Electronics and Telecommunication Engineering, ISSN: 2053240, Vol.44, Issue.1, March 2013, pp. 1121-1129.
6. Dr DP Kothari, **Dr J Praveen**, KKJain “ Adoption of Synchrophasor Technology in Indian Grid Failures & Blackouts”, published in the International Journal of International Organization of Scientific Research (IOSR-JECE), ISBN:2278-8735.PP01-10. 2013.



7. K Hussain, **J Praveen**, "Power Quality Improvement, Thd Analysis Using Dstatcom ForLow Voltage System", Published in International Journal of Electrical and Electronics Engineering Research, Volume: 3, Issue: 1, March 31, 2013, pp.175-188.
8. N.Srinivasa Rao, **J.Praveen** "Design and Simulation of New Z Source Inverter for Improving Voltage Quality", published in the International Journal of Electrical and Electronics Engineering Research (IJEER), Vol.3,Issue 3, Aug 2013, 151-160. ISSN 2250-155X
9. P.N.K.Sreelatha, **J.Praveen**,V.Kamaraju "Voltage Compensation Using D-Statcomunder Unsymmetrical Faults in Distribution Systems with Static Power Converter Fed DcMotor Load" published in International Journal of Engineering Research and development(IJERD) ,e-ISSN: 2278-067X, p-ISSN : 2278-800X, Volume 5, Issue 4 (December 2012),PP. 27-34.
10. K Hussain, **J Praveen**, "Voltage Sag Mitigation Using Distribution Static Compensator System", Published in International Journal of Engineering and Technology, Volume 2, No.5, May, 2012, pp.756-760.
11. P.N.K.Sreelatha, **J.Praveen**, V.Kamaraju "Voltage sags in Distribution Systems with Induction motor loads fed by Power converters and voltage mitigation using DVR and DSTATCOM" published in International Journal of Electrical Engineering (IJE) journal ISSN0974-2158 Volume 5, Number 7 (2012), pp. 889-901.
12. K Hussain, **Dr J Praveen**," POWER QUALITY ENHANCEMENT USING VSCBASEDDSTATCOM", research paper has been accepted for publication in the International Journal of Engineering and Technology, ISSN 2049 3444, Vol 2, No.1, January ,2012 pp 93-98.
13. **Dr J Praveen**, A Vinay Kumar, " Power Quality Improvement with Dynamic VoltageRestorer using Direct Power Control Strategies" published in International Journal of Electrical, Electronics and Computing Technology pp 20-25 Volume -1, Issue-2, January-April 2011. ISSN 2229-3027.
14. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen**"Direct Power Control Strategies For Multilevel Inverter Based Custom Power Devices" published in the International Journal of Electrical and Systems Science, and Engineering, Volume 1Number2 , Page no. 94-102.Year 2009.
15. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen**" Virtual Flux DirectPower Control Control using Space Vector Modulation", accepted for publication in the International Journal of Electrical and Systems. Year 2009.



## National Journals

1. Vinay Kumar A, **J.Praveen**, S.Tarakalyani “Various Power Quality Issues: Measurement of Flicker and Mitigation of Voltage Sag”, published in the National Journal of Technology, Vol.10, No.3, September, 2014, pp 49 -55. ISSN 0973-1334.
2. Rajender Reddy K, **Dr J Praveen**, M.Sushma “Simulation Study of Indirect Current Control Technique for Shunt Active Filter”, published in National Journal on Electrical Power Engineering and Industrial Drives (NJEPEID) Volume-1,Number-2, July-Aug,2012. ISSN2231-590X page no’s 152-158.
3. K Roopa, **Dr J Praveen**, Dr S Tara Kalyani, “DPFC for Power flow Control in Transmission System”, published in National Journal on Electrical Power Engineering and Industrial Drives (NJEPEID) Volume-1,Number-2, July-Aug,2012. ISSN 2231-590X page no’s 178-185.
4. A Vinay Kumar, **Dr J Praveen**, Dr S Tara Kalyani, “Adoption of Direct Power Control Strategy for Enhancement of Dynamic Voltage Restorer”, published in National Journal on Electrical Power Engineering and Industrial Drives (NJEPEID) Volume-1,Number-2, July-Aug,2012. ISSN 2231-590X page no’s 200-205.
5. **Dr.J.Praveen**, K.K. Jain, “Electricity-HVDC-Challenges” Published in the proceedings of 97th Indian Science Congress, 2-7th Jan 2010, Thiruvananthapuram, Kerala, India.
6. **Dr.J.Praveen**, K.K. Jain, “Power Quality Issues-Suggested Solutions” Published in the proceedings of 97th Indian Science Congress, 2-7th Jan 2010, Thiruvananthapuram, Kerala,India.
7. **Dr. J.Praveen**, K.K.Jain”Power generation in India :Vision year 2022 &Expected contribution of Nuclear power and safe its waste disposal methods” paper has been selected for Poster display during the 98th Indian Science Congress [www.isc2011.in] inSRM University, Kattankulathur, Tamilnadu, January 3 to 7, 2011

## Conference Proceedings

### National conferences

1. “Indian Initiative in Adoption of Smart Grid Technology, A Case Study of Puducherry First Pilot Project”, Mr KK Jain, Dr. Kothari, **Dr J .Praveen**, Published in the Proceedings of National Conference on Innovative Research in Engineering and Technology organized on 25-04-2015 at Dr KV Subba Reddy Institute of Technology, Kurnool, Andhra Pradesh, ISBN : 978-1-63415-634-9, (pp347-355)



2. Kiran Kumar Jain, Dr J Praveen, "Role of Engineers in Development of Telangana State as Energy Surplus Power State Utilizing Modern Technology", published in the proceedings of National Conference on Role of Engineers in the Development of New State of Telangana (NC-REDNeST), organized under TEQIP-II by Chiatanya Bharathi Institute of Technology, Hyderabad (pp 55)
3. Dr.P.Kothari, **Dr. J.Praveen**, K.K.Jain, "Modernization of Indian Grid System by Developing Ultrafast Measurement System Known as SynchroPhasors Technology Using GPS in PMU's to Avoid System Failure", published in the proceedings of National Conference on Advanced research methodologies in Electrical Engineering (ARMEE-2013), June 27<sup>th</sup> & 28<sup>th</sup>, 2013, Under TEQIP-II, Madanapalle Institute of Technology and Science, Madanapalle, Chittoor, Andhra Pradesh. .
4. **Dr.J.Praveen**, "Dynamic Voltage Restorer–Different Topologies", Published in ISTE sponsored National Conference on Non-conventional Energy Sources, 17th November, 2009, Gudlavallur College of Engineering. A.P.
5. Vinaykumar.A, **Dr.J.Praveen**, Dr.S.Tarakalyani "Measurement of Voltage Filcker and Mitigation of Voltage Sag to improvise the power Quality" presented at National Conference on "Power Quality and Industrial Drives" conducted by Sreenidhi Institute of Science and Technology ,Hyderabad, July 12-13<sup>th</sup> 2013.
6. P.N.K.Sreelatha, **J.Praveen**, V.Kamaraju "Improvement of Power quality in 11KV/400V Distribution Systems Using D-STATCOM under Open-Conductor and Shortcircuit faults" National Conference On Emerging Trends In Engineering Applications 15th March, 2012 at Alhabeeb college of Engineering and Technology, Hyderabad, published in
7. Vinay Kumar, **Dr J Praveen**, Dr S Tara Kalyani, "Adoption of Direct Power Control Strategy for Enhancement of Dynamic Voltage Restorer" presented at a National Conference on Electrical Power Engineering and Industrial Drives during May 18-19, 2012 Organized by Sreenidhi Institute of Science and Technology (Autonomous), Hyderabad.
8. **Dr J Praveen**, " Digital Control System applications in Improvement of Power Quality-Digital Simulation of Dynamic Voltage Restorer", presented at a two day National level workshop on Control Systems applications to Power Electronics Drives and Systems- (CSPEDS-2012) on 31st March-1st April 2012, under TEQIP-II at Malla Reddy Engineering College, Secunderabad.



9. **Dr J Praveen**, “Direct Power Control Strategy in the DVR for enhancing powerquality” presented at a National Conference on Electrical Power Engineering and Industrial drives during May 18-19,2012 Organized by Sreenidhi Institute of Science and Technology(Autonomous), Hyderabad.
10. Rajender Reddy K, **Dr J Praveen**, M.Sushma “Simulation Study of Indirect Current Control Technique for Shunt Active Filter” presented at a National Conference on Electrical Power Engineering and Industrial Drives during May 18-19,2012 Organized by Sreenidhi Institute of Science and Technology (Autonomous), Hyderabad.
11. **Dr J Praveen**, “Power Quality with Dynamic Voltage Restorer using different PWMpatterns”, presented at a two day faculty development workshop Feb12&13th, Dept. of Electrical and Electronics Engineering, Malla Reddy Engineering College.
12. **Dr J Praveen**, “Overview on power quality, Simulation and validation of custom power devises”, presented at a one day workshop on Recent Trends in Power Systems on 5thJuly, 2011 at, Hi-Tech College of Engineering and Technology, Hyderabad-75.
13. **Dr J Praveen**, “Space vector PWM controlled Dynamic Voltage Restorer to mitigate missing voltage”, presented one day workshop on power quality on 16th Sept,2011 at Narshimha Reddy Engineering College MaisammaGuda, Dhualapally, Secunderabad-500014.
14. **Dr.J.Praveen**, “Recent trends and advancements in Custom Power Devices andFACTS”, presented at one day workshop on Power Quality on 27th Oct, 2011, Department of Electrical and Electronics Engineering, Hyderabad Institute of Technology and Management(HITAM, Formerly Royal College of Engineering.) Medchal, (R.R. Dist.), Hyderabad-501401.
15. **Dr.J.Praveen**, “Overview on Custom Power Devices and Flexible AC transmission systems”, presented at Azura 2011, 29th and 30th two day conference Department of Electrical and Electronics Engineering, CMR College of Engineering and Technology, Medchalroad ,Hyderabad-501401.
16. **Dr. J.Praveen**, “ Advanced technologies in custom power devises and Power Quality”,Presented Expert Lecture at a two day state level technical paper contest YATNA-2K10 atDept. of Electrical Engineering, NallaMalla Reddy Engineering College, DivyaNagar,Hyderabad, 26th &27th March,2010.
17. **Dr. J.Praveen**, “ Latest trends in custom power devises and Power Quality”, PresentedExpert Lecture at a one day National level workshop on Advanced Trends in Power SystemSecurity & Power Quality ATPSPQ-2010 at Dept. of



Electrical Engineering, VignanInstitute of Technology and science, Deshmukhi, Hyderabad,9th July,2010.

18. **Dr. J.Praveen**, “Direct Power Control Strategies for dynamic voltage restore and its application in improving power quality” presented at a two day National Workshop on Recent Advances in Power Systems & Power Electronics, 3rd - 4th September, 2010Sponsored by ISTE & Guru Nanak Engineering College, Hyderabad.
19. **Dr J Praveen**, A Vinay Kumar,” Adoption of Direct Power Control Strategy AndDynamic Voltage Restorer for Improvement of Power Quality” presented at sponsored National Conference on Emerging Trends in Engineering & Applications (NCETETA-2010) during 12th & 13th November, 2010 at ShirdiSai Engineering College, Bengaluru.
20. **Dr J Praveen**, “Emerging trends in monitoring and restoring power quality and design and simulation of Dynamic voltage restorer” presented at a workshop organized at SrinidhiInstitute of Science and Technology, 23rd December 2010, Hyderabad.
21. K.K.Jain, **Dr.J. Praveen**, and Dr. PradeepNirgude, “ Today’s Waste Tomorrow’s Fuel- Hyderabad to get 50MW from Garbage(MSW) - An Energy Recovery from MSW Management” published in the proceedings of National Conference on Power Electronics and Renewable Energy Systems PEARES-2009, March-2009, SSN College of Engineering, Kalavakkam, Chennai.
22. K.K.Jain, **Dr.J. Praveen**, and Dr. PradeepNirgude, “Biogas Production and Bottlinginto CNG Cylinders and use as Vehicle fuel in India and Abroad(Biogas as Bio CNG)”published in the proceedings of National Conference on Power Electronics and Renewable Energy Systems PEARES-2009, March-2009, SSN College of Engineering, Kalavakkam, Chennai, India.
23. K.Hussainaiah, **Dr. J.Praveen**, “ Digital Simulation and Analysis of Custom Power Devises to Enhance Power Quality”, published in the proceedings of National Conference ofSignal Processing Exceeding Technological Horizon, NCSP-2009, March-2009, MaharastraInstitute of Technology(MIT), Aurangabad, India
24. **Dr.J.Praveen**” Power Quality issues and Improvment with Custom Power Devises” Presented expert lecture at a two day workshop on “Power Quality” at MuffakhamJah College of Engineering and Technology, Banjara Hills, Hyderabad, 28th and 29th Aug, 2009.



25. **Dr. J.Praveen**, “ Power Quality and Power System Security”, Presented Expert Lecture at a two day TEQIP-I sponsored workshop on Power System Security” at Dept. of ElectricalEngineering, University College of Engineering (Autonomous), Osmania University ,Hyderabad,14th & 15th September,2009.
26. **Dr.J.Praveen**” Mitigation of harmonics, Voltage sag, Voltage flickers and voltage transients using Dynamic Voltage Restorer “ Presented expert lecture at one day workshopon “Power Quality” at Aurora’s Technological and Research Institute, Hyderabad, 24th Sept,2009.
27. **Dr.J.Praveen**, Dr.H.V.Makthal, Dr.B.P.Muni “ Digital Simulation of Dynamic Voltage Restorer to Improve Power Quality” 23rd National Convention of Electrical Engineers & National Seminar on Challenges in Electricity Sector Under Deregulated Environment”, November 23-24, 2007, at Institution of Engineers, Pune.
28. **J.Praveen**, B.P.Muni and H.V. Makthal “Simulation of Multilevel Dynamic Voltage RestorerBased on D-Q Parameters”, presented at 2nd National Power Electronics Conference, December 22-24, 2005, IIT Kharagpur. Page no.94-97.
29. **J.Praveen**, B.P.Muni and H.V. Makthal “Simulation of Voltage Sag, Disturbances and elimination using Dynamic Voltage Restorer” presented at 2nd National Power ElectronicsConference, December 22-24, 2005, IIT Kharagpur. Page no.103-106.
30. **J.Praveen**, B.P.Muni and H.V. Makthal “Improving Power Quality using Cascaded H-BridgeDynamic Voltage Restorer” presented at Second National Control Instrumentation System Conference CISCON 2005, November 11-12, 2005, MIT, Manipal International Deemed University,Manipal. Page no. 323-327.
31. **J.Praveen**, B.P.Muni and H.V. Makthal “Dynamic Voltage Restorer” presented at NationalConference on Recent Advances in Electrical Engineering, EAR-2005, 10th December, 2005, JNTU College of Engineering ,Anantapur . Page no. 29.
32. **J.Praveen**, B.P.Muni and H.V. Makthal “Simulation of Multilevel Dy
33. namic Voltage Restorer for Power Quality Improvement” presented at Power Transmission Research Interest and Challenges International Seminar and Tutorial 20-22nd December , 2005, Central Power Research Institute, Bangalore. Page no 45.
34. **J.Praveen**, S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar and H.V Makthal “Promising Inverterfor Elimination of Harmonics”, AICTE Sponsored



National Conference, Control Communications and Information Systems, January 23-24, 2004, Government Engineering College, Goa. Page no.158-163.

35. **J.Praveen**, B.P.Muni, S.Venkateshwarlu and H.V. Makthal "Review of Dynamic Voltage Restorer for Power Quality Improvement", Industrial Electronics Conference, IECON 2004, IEEE International Conference, Busan, Korea. Page no.749-754.
36. **J.Praveen**, B.P.Muni and H.V. Makthal "Simulation of Dynamic Voltage Restorer based on dq Parameters", National Power Systems Conference NPSC, December 27-30, 2004, IIT Madras, Chennai. Page no. 595-600.
37. **J.Praveen**, S.Venkateshwarlu, B.P.Muni, A.D Rajkumar and H.V.Makthal "Enhancement of Custom Power Devices Power Quality using Multilevel Inverters", National Power Systems Conference NPSC, December 27-30, 2004, IIT Madras, Chennai. Page no. 784-789.
38. **J.Praveen**, H.V.Makthal and B.P.Muni "Simulation of Inverter Control Circuit using SABER" Presented at Solid State Switching Devices and Applications: Progress and Prospects, A National Conference, The Institution of Engineers, 14-16th July, 2002, Hyderabad. Page no 2.15-2.28.

#### International conferences

1. N.Srinivasa Rao, Dr A Selwin Mich Priyadharson, Dr J Praveen, "Simulation of Artificial Intelligent Controller based DVR for Power Quality Improvement", published in the proceedings of International Conference on Graph Algorithms, High Performance Implementations and Applications (ICGHIA-2014), Jointly organized by Coimbatore Institute of Technology and Berger University College, Norway during, December 17-19<sup>th</sup>, 2014.(pp 294-308)
2. N Srinivasa Rao, Dr J.Praveen, Dr K.Rajan," Power Quality Improvement using Z-Source Dynamic Voltage Restorer", published in the proceeding of International Conference on Innovations in Electrical & Electronics Engineering (ICIEEE-2014), 5-6<sup>th</sup>, September, 2014, Guru Nanak Institution, Hyderabad. pp 435-439.(ISBN-978-93-82163-55-8).
3. Dr DP Kothari, **Dr J Praveen**, KK Jain "Adoption of Synchrophasor Technology in Indian Grid Failures & Blackouts", presented at Second International conference on Emerging Trend in Engineering, Dr.J.J.Magdum College of Engineering, Jaysingpur, Kolhapur, Maharashtra held on 22<sup>nd</sup> & 23<sup>rd</sup> Feb, 2013
4. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen**"Direct Power Control Strategies For Multilevel Inverter Based Custom Power Devices"





International Conference on Computer, Electrical and Systems Science, and Engineering, 21-23, May 2008. Published in the proceedings of World Academy of Science, Engineering and Technology, Volume 29, Bangkok, Thailand

5. A.Vinaykumar, **Dr.J.Praveen** ,Dr.S.TaraKalyani “Various power Quality issues:Measurement of Flicker and Mitigation of Voltage sag” An International Conference on Intelligent and Efficient Electrical Systems conducted at PSG college of technology Coimbatore, 12-14 Dec 2013
6. P.N.K Sreelatha, **J.Praveen**, V.Kamaraju, ‘Effect of Unsymmetrical faults on Distribution lines with Different Line X/R ratios and Voltage Restoration using DVR with Space Vector Control’ published in the proceedings of International Conference on Computing, Electronics and Electrical Technologies-ICCEET-2012 held on 21-22 March,2012 organized by Noorul Islam Centre for Higher Education, Kumaracoil,Thuckalay, Tamilnadu. pp.14.
7. P.N.K Sreelatha, **J.Praveen**, V.Kamaraju, ‘Voltage Restoration with D-Statcom Under Unsymmetrical Faults on Distribution Lines with variable X/R’, published in International Conference on recent Technology-2012, 9-11, February, Organized by Institute of Knowledge College of Engineering, Pune. pp-E-60.
8. **Dr J Praveen**, “Latest Simulation tools for power electronics and power quality improvement devices design an overview”, presented at International Accreditation Councilfor Quality in Education and Research (IACQER) nodal research center on 29th July,2011 at Swarnandhra College of Engineering and Technology, Narsapur, W.G.Dist. A.P.
9. **Dr J Praveen**, “Fault analysis to mitigate voltage depression using new simulation schemes and design of custom power devices”, presented at International Accreditation Council for Quality in Education and Research (IACQER) nodal research center on 30<sup>th</sup>July,2011 at Raghu Engineering College, Visakhapatnam, A.P.
10. PNK Sreelatha, **Dr J Praveen**, Dr V Kamaraju,” Voltage Sag Compensation with DVRfor Different types of faults at a remote place on a remote feeder”, accepted for Presentation at Eight Control Instrumentation System **International Conference** ISCON-2011,Modeling and Simulation in Engineering Applications , 3-6th November, Manipal Institute of Technology, Manipal, Karnataka.
11. Vinay Kumar A, **Dr. J.Praveen**,” Digital Simulation of Dynamic Voltage Restorer using Direct Power Control Strategy”, presented at 2nd International Conference on Nanotechnology and Biosensors (ICNB-2,2011)

on 27th and 28th December, 2011 organized by IACQER at Raghu Engineering College, Vishakapatnam, A.P.(page no 302-308).

12. S.Venkateshwarlu, B.P.Muni, A.D.Rajkumar, and **J.Praveen** " Virtual Flux Direct Power Control using Space Vector Modulation" , accepted for presentation at 2<sup>nd</sup> International Conference of Electrical Engineering Design and Technologies (ICEEDT'08),November 8-10, 2008, Hammamet, Tunisia.
13. **J.Praveen**, B.P.Muni and H.V. Makthal " Simulation of Dynamic Voltage Restorer usingSpace Vector PWM" presented at International Conference on Systemics, Cybernatics andInformatics, ICSCI 2006, January 04-08, 2006 Hyderabad. Page no.188-192 .



**Dr. D.V .PUSHPALATHA**, PROFESSOR, Dept. EEE  
(ID-953)

**Qualifications:** PhD from Andhra University, Vishakhapatnam(2012) **M.Tech** Andhra University (1998), **B.Tech** ( Electrical and Electronics Engineering ) Gitam University (1995).

**Experience:** 17yrs

**Research interest:** Control systems

**Journal Publications/Conference Proceedings: 24**

**Journal Publications**

**International Publications: 11**

1. Ananth Babu, Ch.V.N.Raja, **D.V.Pushpalatha**, K.R.Sudha, "Design of Fractional Model Reference Adaptive PID Controller to Magnetic Levitation System with Permagnet", International Journal of Systems, Control and Communications, InderScience Publishers, accepted, July,2015.
2. Ch.Ravi Kumar, D.V.Pushpalatha, K.R.Sudha, "Design of prisoner's dilemma-based fuzzy c-means computed torque controller for PUMA-560 robot manipulator", International Journal of Intelligent Systems Design and Computing, Inderscience Publishers,2015.
3. Ch.Ravi Kumar, **D.V.Pushpalatha**, K.R.Sudha, "Design of Prisoner's Dilemma Based Fuzzy C-Means Computed Torque Controller with Lyapunov Synthesis Linguistic Model for PUMA-560 Robot Manipulator", Journal of Intelligent



and Fuzzy Systems, ISSN: print: 1064-1246; under review: 1875-8967; impact factor 0.788, communicated in June, 2014.

4. Ch.Ravi Kumar, **D.V.Pushpalatha**, K.R.Sudha, K.A.Gopala Rao, "Design of Lyapunov based Fuzzy Logic Controller for PUMA-560 robot manipulator", *International Journal of Fuzzy Logic Systems (IJFLS)*, ISSN : 1839-6283, December 2013.
5. **D.V.Pushpalatha**, K.R.Sudha, Swati Devabhaktuni, "PLC based Smart Street Lighting Control", *International Journal of Intelligent Systems and Applications (IJISA)*, ISSN: 2074-9058 , DOI: 10.5815/ijisa.2014.01.08, page no. 64-72, Impact factor 3.5
6. **D.V.Pushpalatha**, Swati Devabhaktuni, "On line speed control of PMDC motor using Auto tuning PID through LabVIEW", *International Journal of Electronics and Electrical Engineering (IJEET)*, ISSN: 2301-380X, Vol. 1, No. 4, December, 2013, Engineering and Technology Publishing doi: 10.12720/ijeet.1.4.230-235, Impact Factor 2.2.
7. Swati Devabhaktuni, **D.V.Pushpalatha**, "Soil Moisture and Temperature sensor based intelligent irrigation water pump controlling system using PIC 16F72 Microcontroller", (*IJETED*), RS Publication, ISSN:2249-6149 , Issue 3, Vol. 4 , Page No.101-107, July, 2013, Impact Factor 2.87.
8. **D.V.Pushpalatha**, "Simulation of PLC based Smart Street Lighting Control using LDR", *IJETED*, ISSN : 2278-621X, Issue 4, Vol.2, Page No. 113-121, July , 2013.
9. Ch.Ravi Kumar, K.R.Sudha, **D.V.Pushpa Latha**, "Modelling and control of 5DOF Robot Arm using Neuro-Fuzzy Controller", *International Journal of Engineering Research & Technology (IJERT)*, Vol. 1 Issue 7, September 2012, ISSN: 2278-0181,Page no.1-8, Impact factor 1.76.
10. K.R.Sudha, **D.V.Pushpa Latha**, "Design of Adaptive Controller for a robot gripper using Support Vector Regression", *International Journal of Computational Intelligence and Information Security*, March 2011, vol.2, No.3, Page No. 50-54, Impact factor 0.583.
11. Ch.Ravi Kumar, **D.V.Pushpalatha**, K.R.Sudha, K.A.Gopala Rao, "Design of Lyapunov based Fuzzy Logic Controller for PUMA-560 robot manipulator", *IET Control Theory and Applications*, Under review.

#### National Publications: 3

1. **D.V.Pushpalatha**, P.SrividyaDevi, P.M.Sarma, "Measurement of power and energy using Arduino", *Research Journal of Engineering Sciences*, ISSN 2278-9472, Vol. 2(10), 10-15, October (2013).



2. **D.V.Pushpalatha**, K R Sudha, Swati Devabhaktuni, "Millenium3 PLC based Temperature Control using LM35", Research Journal of Engineering Sciences, ISSN 2278-9472, Vol.2(6), Page 1-7, June, 2013
3. **D.V.Pushpa Latha**, K.R.Sudha, "RBF Kernel Support Vector Regression based controller for a Robot Gripper", Journal Of Computing, Vol.3, Issue 3, March 2011, ISSN 2151-9617, Page no.107-111, Impact Factor 1.076.

#### Conference Proceedings:10

##### National Conferences: 7

1. P.Srividyadevi, P.Sirisha, **Dr.D.V.Pushpalatha** "Design of Line following Robot using Arduino" National conference on Contemporary Control (ConCon)2014, Andhra University, Visakhapatnam, Nov, 2014.
2. **D.V.Pushpalatha**, P.Srividyadevi, R.Vijaya santhi "Speed Control of DC Motor using Arduino" National conference on Contemporary Control (ConCon)2014, Andhra University, Visakhapatnam, Nov, 2014.
3. P.Sirisha, P.Srividyadevi, **D.V.Pushpalatha** "Ultrasonic RADAR system using Arduino", National conference on Contemporary Control (ConCon)2014, Andhra University, Visakhapatnam, Nov, 2014.
4. **Dr.D.V.Pushpa Latha**, M.Rekha, Dr. K.R.Sudha, "System identification of dc motor-generator set using matlab/labview", National Conference on Contemporary control and Soft computing in Electrical Engineering, Andhra University, Visakhapatnam, May, 2013.
5. Swati Devabhaktuni, **Dr.D.V.Pushpa Latha**, "Speed control of separately excited d.c motor using chopper", National Conference on Contemporary control and Soft computing in Electrical Engineering, Andhra University, Visakhapatnam, May, 2013.
6. **Dr.D.V.Pushpa Latha**, Dr.K.R.Sudha, Swati Devabhaktuni, "Labview Based Temperature Control Using LM 35", National Conference on Contemporary control and Soft computing in Electrical Engineering, Andhra University, Visakhapatnam, May, 2013.
7. **D.V.Pushpa Latha**, K.R.Sudha, Ch.Ravi Kumar, "Modelling and control of 5 DOF Robot Arm using Neuro-Fuzzy Controller", National Conference on Contemporary control and Soft computing in Electrical Engineering, Andhra University, Visakhapatnam, 30-31, May, 2012.

##### International Conferences: 3



1. Lakshmi Kanumuri, **D.V.Pushpalatha**, Amit Kumar Gupta, Swadesh Kumar Singh, "Study the Effect of Temperature on the Properties of ASS-304 Using ANN", Processing and Fabrication of Advanced Materials XXIII, PFAM, IIT Rourkela, Vol.2, pp 1186-1192, Dec 5 -7 2014.
2. **D.V.Pushpalatha**, K.R.Sudha and A.Satya Devi "Design of Adaptive Fuzzy Controller for a Robot gripper" proceedings of IEEE Advances in Recent Technologies in Communication and Computing, ARTCom '09. International Conference on 27-28 Oct. 2009 , pp 254 – 256.
3. Ch.Ravi Kumar, K.R.Sudha, **D.V.Pushpalatha**, Ch.V.N.Raja, "Fuzzy CMeans Controller for a PUMA-560-Robot manipulator", IEEE Workshop on Computational Intelligence: Theories, Applications and Future Directions, CIS 2013, IIT Kanpur, India, pp. 57-62, July 2013



**Dr.J. Sridevi**, PROFESSOR, Dept.EEE (ID-516)

**Qualifications:** Ph.D from JNTUH, Hyderabad in power systems(2014) **M.Tech** (2006 ), **B.Tech** ( Electrical and Electronics Engineering ) (2002).

**Experience:** 12

**Research interest:** Power Systems, FACTS

**Journal Publications/Conference Proceedings:** 1

#### International Journals

1. **Dr.J.Sridevi** , Implementation Of Thyristor Controlled Series Capacitor (TCSC) In Transmission Line Model Using Arduino, Int. Journal of Engineering Research and Applications ISSN : 2248-9622, Vol. 4, Issue 9( Version 5), pp.114-117, September 2014.
2. **J.Sridevi**,"A new active power factor correction using boost converter",International science congress association research journal of engineering,ISSN:2278-9472,Vol2(8),pp-7-11,Aug,2013.
3. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Influence of FACTS Devices on Congestion Management in Deregulated PowerSystem", ICGST-ACSE Journal, Volume 11, Issue 2, November 2011.
4. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Comparison of Voltage Stability by optimal location of TCSC and SVC using Loss Sensitivity Method under Contingencies", International Review on Modelling and Simulations (I.RE.MO.S), Vol.4, N.4, October 2011.



5. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Impact of FACTS devices on Zonal Congestion Management in Deregulated Power System", Innovative Systems Design and Engineering, IISTE, Vol 3, No 1, 2012.
6. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Optimal Location of FACTS Devices for Zonal Congestion Management under Contingency", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 7, Number 6 (2012) pp. 599- 611.
7. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Role of FACTS Devices on Zonal Congestion Management Ensuring Voltage Stability under Contingency", International Journal of Advances in Engineering & Technology, Vol. 3, Issue 2, pp, 635-641, May 2012.
8. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, " Zonal Power Quality improvement using Static Var Compensator for an Indian Utility System", International Journal of Engineering Research and Applications (IJERA) , Vol. 2, Issue 3, May-Jun 2012, pp. 1320- 1325.
9. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Congestion Management and ATC Enhancement with optimal location of FACTS devices using Sensitivity indices", International Review on Modelling and Simulations (I.RE.MO.S), Vol.4, N.4, August 2011

#### **National Conferences**

1. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Assessment of Available Transfer Capability using AC Power Transfer Distribution Factors", Proceeding of National Conference on Power System Planning , operation& optimization(PSPOO-2011), J.N.T.University, Kakinada.
2. **J. Sridevi**, M. Abhiram, Dr. J. Amarnath, Dr. G. Govinda Rao, "ATC Enhancement with Multi type FACTS devices", Proceeding of National Conference on Power System Planning , operation& optimization(PSPOO-2011), J.N.T.University, Kakinada.
3. **J. Sridevi**, Dr. J. Amarnath, Dr. G. Govinda Rao, "Zonal Congestion Management with Optimal Placement of FACTS Devices under Contingency", Proceeding of National Conference on Recent Trends in Power systems and Power Electronics(NCPSPE-2012), BVC Engineering College, Odalarevu.



**Dr. S.V.JAYA RA KUMAR**, PROFESSOR, Dept.EEE  
(ID-1291)

**Qualifications:** Ph.D from IIT Kanpur (2000) M.Tech (1979), B.Tech ( Electrical and Electronics Engineering ) (1976).

**Experience:** 35 +Years

**Research interest:** Power Systems, FACTS

**Journal Publications/Conference Proceedings:** 25

#### **International Journals**

1. Selection of capacitors for the SEIG with external rotor capacitance, in Journal of energy technologies, Feb 2012.
2. Power flow analysis of self excited induction generator, in International journal of advanced engg and research January 2012.
3. Digital relay based adaptive protection for distributed systems IEEMA journal February 2012.
4. A smart discrete fourier transform algorithm based digital multi function relay for power system protection, International journal of computer and electrical engineering February 2011.
5. Design of excitation capacitance for self excited induction generator International journal of electrical engg and electrical systems jan 2011.
6. Performance analysis of SEIG driven at variable wind speeds, International journal of engg and advanced technology Dec 2011.
7. Analysis of SEIG connected to grid interface with multi level inverter, International journal of science and technology, Dec 2011.
8. Impact of PF loop at rectifier unit on SEIG connected to grid, International journal of engineering and technology, Dec 2011.
9. Design and control of voltage regulators for SEIG, International journal of advances in engineering & technology Nov 2011..
10. Static voltage stability index for power system with UPFC, IETECH Journal of electrical analysis 2010.
11. A novel HVDC control strategy for interconnected power system a graphical based solution, American journal of scientific research 2010.



12. A modified full cycle discrete fourier transform algorithm base digital multi function relay for power transmission line protection, APRN Journal of engineering and applied sciences, August 2010.
13. Robst fuzzy load frequency controller for a two area interconnected power system, Journal of theoretical and applied information technology 2009.
14. Effect of TCSC on ill conditioned power system, The IFCAI Journal of electrical & electronics engineering, October 2009.
15. Load flow solution for ill conditioned power systems with FACTS devices, Journal of theoretical and applied information technology, June 2009.
16. Load frequency controller for a two area interconnected power system using robust genetic algorithm controller, Journal of theoretical and applied information technology, December 2008.
17. Comparative study of different control strategies for load frequency problem with emphasis on new fuzzy logic controller, International Journal of electronic an electrical engineering, November 2008.
18. Performance comparison of open and closed loop operation of UPFC, ARPN Journal of engineering and applied sciences, October 2008.
19. New control strategy for load frequency problem of a single area power system using fuzzy logic control, Journal of theoretical and applied information technology, April 2008.
20. Study of Torsional interaction with Thyristor controlled capacitor an power system stabiliser, Institutions of Engineers India Journal, March 2001 pp 175-181.
21. Damping of subsynchronous resonance oscillations with TCSC and PSS and their control interaction, Electrical power system research (ELSEIVER) 2000 pp29-36.
22. Subsynchronous resonance analysis using thyristor controlled series capacitor, Institutions of Engineers India Journal, September 2000 pp 91-96.
23. Model based control design of a TCSC compensated power system, Electrical power and Energy system (ELSEIVER) 1999 pp 299-307.
24. Subsynchronous resonance analysis using a discrete time model of thyristor controlled series compensator, Electrical power and Energy system (ELSEIVER) 1999 pp 571-578.
25. Damping of subsynchronous transient torque oscillatins using STATCOM, Institutions of Engineers India Journal, November 1999 pp 104-107.





**Dr. Dola Gobinda Padhan, PROFESSOR,**  
Dept.EEE (ID-1283)

**Qualifications:** Ph.D from IIT Guwahati (2012) M.Tech (2002),B.Tech ( Electrical and Electronics Engineering ) (1999).

**Experience: 14 Years**

**Research interest: Power Systems, FACTS**

**Journal Publications/Conference Proceedings: 20**

#### International Journals

1. P. Parthasaradhy, Dola Gobinda Padhan, Chinmaya K A, " Regulation of the DC Bus Voltage of a Three Phase Active Power Filter by PI and Fuzzy Logic Controller", *International Journal The IJES*, ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805, pp. 78-84, 2014.
2. D. G. Padhan and S. Majhi, "Enhanced Cascade Control for a Class of Integrating Processes with Time Delay", *ISA Transactions, Elsevier*, vol. 52, pp. 45-55, 2013.
3. D. G. Padhan and S. Majhi, "A New Control Scheme for PID Load Frequency Controller of Single-area and Multi-area Power Systems", *ISA Transactions, Elsevier*, vol. 52, pp. 242–251, 2013.
4. D. G. Padhan and S. Majhi, "An Improved Parallel Cascade Control Structure for Processes with Time Delay", *Journal of process control, Elsevier*, vol-22, pp. 884-898, 2012.
5. D. G. Padhan and S. Majhi, "Modified Smith Predictor based Cascade Control of Unstable Time Delay Processes", *ISA Transactions, Elsevier*, vol-51, pp. 95-104, 2012.
6. D. G. Padhan and S. Majhi, "Modified Smith Predictor and Controller for Time Delay Processes", *IET Electronics letter*, vol-47, No.-17, pp. 959-961, 2011.

#### International Conferences

1. P. Parthasaradhy, Dola Gobinda Padhan, Chinmaya K A, " Regulation of the DC Bus Voltage of a Three Phase Active Power Filter by PI and Fuzzy Logic Controller", *International Conference ICIEE-2014 (Proceedings ISBN No:9789382163558), Guru Nanak Institutions Technical Campus, Hyderabad, 05-06 September 2014.*
2. D. G. Padhan, "A Dead Time Compensator for Integrating & Unstable Processes" in *International Conference ICIEE-2013, 9-10 August 2013.*



3. D. G. Padhan and S. Majhi, "Synthesis of PID tuning for a new parallel cascade control structure" in *IFAC Conference on Advances in PID Control PID'12,, Brescia, Italy, 28-30 March 2012.*
4. D. G. Padhan and S. Majhi, "Improved Parallel Cascade Control Structure for Time Delay Processes" *IEEE INDICON 2011, BITS Pilani Hyderabad Campus, 16-18 December 2011.*
5. D. G. Padhan and S. Majhi, "A Two-degree-of-freedom Control Scheme for Improved Performance of Unstable Delay Processes" *IEEE ICECE 2010, Dhaka, Bangladesh, 18-20 December 2010.*
6. D. G. Padhan and S. Majhi, "A Two-degree-of-freedom Control Scheme for Integrating and Unstable Delay Processes" *IEEE INDICON 2010, Jadavpur University, Kolkata, 17-19 December 2010.*
7. D. G. Padhan and S. Majhi, "Modified Smith Predictor and Controller for Stable and Unstable Processes" *4<sup>th</sup> International Conference On Computer Applications in Electrical Engineering Recent Advances, IIT Roorkee, 19-21 February 2010.*
8. D. G. Padhan , "Transient stability and power flow models of FACTS controllers" *International Conference PCO-2008, Chiang Mai, Thailand, 18 – 20 July 2008.*
9. D. G. Padhan , "Optimal Bidding Strategies for Steam Turbine Generators" *International Conference PSACO-2008, College of Engineering, Andhra University, Visakhapatnam, 13-15 March 2008.*

#### National Conferences

1. D. G. Padhan and S. Majhi, "An Improved Cascade Control Structure for Time Delay Processes" *35<sup>th</sup> national systems conference NSC-2011, IIT Bhubaneswar, 9-11 December, 2011.*
2. D. G. Padhan and S. Majhi, "A Two-degree-of-freedom Control Scheme for Improved Performance of Integrating Delay Processes" *34<sup>th</sup> national systems conference NSC-2010, NITK Surathkal, 10-12 December, 2010.*
3. D. G. Padhan and S. Majhi, "Modified Smith Predictor and Controller Based on GM(1,1) Model" *National Conference on Electronic Technologies, NCET-2010, GEC, Goa, 16-17 April, 2010.*
4. D. G. Padhan , "Deregulation and Regulatory Reform in the Electric Power Sector : A case study in Restructuring" *National Conference, The Institution of Engineers (India), Pune, 23 -24 November 2007.*

5. D. G. Padhan , “Recent Advances in Electrical Engineering” **National Conference, Vignans’ Institute of Information Technology, Visakhapatnam, 9-10 March 2007.**



**Mr. V. Vijaya Rama Raju, ASSOCIATE PROFESSOR, Dept.EEE (ID-361)**

**Qualifications: Ph.D (Pursuing) from JNTU M.Tech (2001), B.Tech ( Electrical and Electronics Engineering ) (1998).**

**Experience: 16yrs**

**Research interest: Power system**

**Journal Publications/Conference Proceedings: 7**

#### **National Conferences**

1. **V.Vijaya Rama Raju, M.Chakravarthy, P.M.Sarma, and Dr.S.N.Saxena** “Reactive Power Compensation of Grid using DFIG”, Proc. of National Conference on Special Electrical Machines & Systems, 16-17 February, 2010, BHEL Corporate R&D Division, Hyderabad, A.P.,India.
2. **M.Chakravarthy, V.Vijaya Rama Raju, P.M.Sarma, and Dr.S.N.Saxena** “Automation of Testing Procedure for Electrical Machines Using PLC”, Proc. of National Conference on Special Electrical Machines & Systems, 16-17 February, 2010, BHEL Corporate R&D Division, Hyderabad, A.P.,India.
3. **Sarma P M, Vijayamaraju V, Chakravarthy M, Saxena S N,** “Closed Loop Speed Control of a DC Motor Using Lab view”, Design, Operation & Control of Distribution Systems, Sreenidhi Institute of Science & Technology, 2009, 32-38
4. **Sarma P M, Vijayamaraju.V, Chakravarthy M, Saxena S N,** “Microprocessor Based Industrial Timer”, Design, Operation & Control of Distribution Systems, Sreenidhi Institute of Science & Technology, 2009, 39-42
5. **S.S. Nawaz, R.Anil Kumar, R.Anil Kumar, V.Vijaya Rama Raju and P.M.Sarma,**“Reactive Power Compensation of Grid using DFIG,” Proc. of National Conference on Advanced Controls, 26-27 November 2009, Gokaraju Rangaraju Inst. of Engg. and Tech., Hyderabad, India.
6. **V.Vijaya Rama Raju, M.Chakravarthy, P.M.Sarma, and Dr.S.N.Saxena** “Automation of Electrical machine testing using PLC,” Proc. of National Conference on Advanced Controls, 26-27 November 2009, Gokaraju Rangaraju Inst. of Engg. and Tech., Hyderabad, India.

7. V.Vijaya Rama Raju, M.Chakravarthy, P.M.Sarma, and Dr.S.N.Saxena “Automatic Power Factor Correction using PLC,” Proc. of National Conference on Advanced Controls, 26-27 November 2009, Gokaraju Rangaraju Inst. of Engg. and Tech.,Hyderabad, India.



**M.SRIKANTH**, ASSISTANT PROFESSOR, Dept. EEE  
(ID-608)

**Qualifications:** Ph.d(pursuing) from JNTU M.Tech (2008),  
B. Tech (Electrical and Electronics Engineering ) (2005).

**Experience:** 8 years

**Research interest:** Power Electronics

**Journal Publications/Conference Proceedings:** 1

**National Conference Proceedings:**1

1. R.Pavan Kumar, **M.Srikanth**, “Cascaded H-Bridge Multi Level Inverter Using Selective Harmonic Elimination Technique”, National Conference On Electrical Sciences 2014(NCES-2014), ISBN:978-93-83083-68-8, July 2013



**Syed Sarfaraz Nawaz**, ASSISTANT PROFESSOR,  
Dept.EEE (ID-695)

**Qualifications:** Ph.d(pursuing) from JNTU M.Tech (2010),  
B.Tech ( Electrical and Electronics Engineering ) (2007).

**Experience:** 7 years

**Research interest:** Power Electronics

**Journal Publications/Conference Proceedings:** 3

**International Conference Proceedings:**1

1. Rohan Devara, **Syed Sarfaraz Nawaz** “Design of Shunt Active Power Filter for Harmonic Compensation in Power Systems” **International Conference on Innovations in Electrical & Electronics Engineering (ICIEEE-2014)**, ISBN: 978-93-82163-55-8, September-2014, pp-353-358.

**National Conference Proceedings:**2

1. Rohan Devara, **Syed Sarfaraz Nawaz** “Design of Shunt Active Power Filter for Harmonic Compensation in Power Systems” **National Conference on Electrical Sciences- (NCES-2014)**, ISBN: 978-93-83083-68-8, July 2014, pp-70-75.

2. S.S. Nawaz, R.Anil Kumar, R.Anil Kumar, V.Vijaya Rama Raju and P. M. Sarma," Reactive Power Compensation of Grid using DFIG," Proc. of National Conference on Advanced Controls, 26-27 November 2009, Gokaraju Rangaraju Inst. of Engg. and Tech., Hyderabad, India.



**R.Anil Kumar**, ASSISTANT PROFESSOR, Dept.EEE (ID-657)

**Qualifications:** M.Tech (2010), B.Tech ( Electrical and Electronics Engineering ) (2006).

**Experience:** 7yrs

**Research interest:** Micro Controllers

**National Conference Proceedings:**1

1. S.S. Nawaz, R.Anil Kumar, V.Vijaya Rama Raju and P.M.Sarma,"Reactive Power Compensation of Grid using DFIG," Proc. of National Conference on Advanced Controls, 26-27 November 2009, Gokaraju Rangaraju Inst. of Engg. and Tech., Hyderabad, India.



**U.Vijaya Laxmi**, ASSISTANT PROFESSOR, Dept.EEE (ID-692)

**Qualifications:** M.Tech (2010), B.Tech ( Electrical and Electronics Engineering ) (2007).

**Experience:** 7yrs

**Research interest:** Electrical Measurements

**National Conference Proceedings:**1

1. U.Vijaya Lakshmi, M.Chakravarthy, Dr.S.N.Saxena, P.M.Sarma "Investigation of various PWM Techniques for Shunt active Power Filter" NADCON-2009, Nov 26-27, 2009, GRIET, Hyderabad



**V.Hima Bindu**, ASSISTANT PROFESSOR, Dept.EEE (ID-772)

**Qualifications:** M.Tech (2013), B.Tech ( Electrical and Electronics Engineering ) (2000).

**Experience:** 5yrs

**Research interest:** Power Electronics

**International Journal Publication:**1

1. G.Swapna, V.Himabindu, P.M.Sarma, M.Chakravarthy "Hardware implementation of single phase Inverter" International journal of engineering trends and technology, Volume 4, Issue 8, August 2013, ISSN2231-5381.



**G.Sandhya Rani**, ASSISTANT PROFESSOR,  
Dept.EEE (ID-888)

**Qualifications:** M.Tech (2011), B.Tech ( Electrical and Electronics Engineering ) (2005).

**Experience:** 4yrs

**Research interest:** Power Electronics

**National Journal Publication:**1

1. G. Sandhyarani, K. Anuradha "Spectral Analysis of inverter Output VoltageWaveform Using Different PWM Techniques", National Journal on Electrical Power Engineering and industrial Drives ISSN 2231-590X, Vol.1. No.2, 2012 (Pg 186-191).



**Ms.M.N.SandhyaRani**, ASSISTANT PROFESSOR,  
Dept. EEE (ID-882)

**Qualifications:** M.Tech (pursuing), B.Tech ( Electrical and Electronics Engineering ) (2011).

**Experience:** 4yrs

**Research interest:** PowerElectronics

**International Journal Publication:**2

1. V.S.Madhuri, P.Mallikarjuna Sarma, **M.N.SandhyaRani**, "Automatic Street Lighting using PLC", International Journal of Latest Trends in Engineering and Technology (IJLTET), ISSN: 2278-621X, PP no.353 to 357, Vol. 2, Issue 4, July 2013.
2. D. Anusha, PM.Sarma, **M.N. SandhyaRani**, "Appliance Remote Control Using Arduino" International Journal of Latest Trends in Engineering and Technology (IJLTET), ISSN: 2278-621X, Page no. 35 to 41, Vol. 2 , Issue 4 , July 2013.



**G.Swapna**, ASSISTANT PROFESSOR, Dept.EEE (ID-746)

**Qualifications:** M.Tech (2013), B.Tech ( Electrical and Electronics Engineering ) (2009).

**Experience:** 6yrs

**Research interest:** Power Electronics

**International Journal Publication:**1

1. G.Swapna, V.Himabindu,P.M.Sarma,M.Chakravarthy “Hardware implementation of single phase Inverter” International journal of engineering trends and technology, Volume 4,Issue 8,August 2013, ISSN2231-5381.



**V.V.S.Madhuri**, ASSISTANT PROFESSOR, Dept.EEE (ID-879)

**Qualifications:** MTech (2007), B.Tech (Electrical and Electronics Engineering ) (2002).

**Experience:** 8yrs

**Research interest:** Power systems

**International Journal Publication:**2

1. V.V.S.Madhuri,P.MallikarjunaSarma, M.N. Sandhya Rani, “Automatic Street Lighting using PLC”, International Journal of Latest Trends in Engineering and Technology (IJLTET), ISSN: 2278-621X, PP no.353 to 357, Vol. 2, Issue 4, July 2013.
2. V.V.S.Madhuri,P.Mallikarjuna Sarma,M.Chakravarthy “Automatic Solar tracking using Crouzet Millenium PLC” International journal of latest trends in engineering and technology,Vol.2,Issue 4, July 2013, ISSN 2278-621X.



**A.Vinay Kumar**, ASSISTANT PROFESSOR, Dept.EEE (ID-881)

**Qualifications:** Ph.d (pursuing) from JNTUH M.Tech (2003) Gitam University, B.Tech ( Electrical and Electronics Engineering ) (2007)

**Experience:** 9yrs

**Research interest:** Power Systems

**Journal Publications/Conference Proceedings:** 10

**International Conferences**

1. A.Vinaykumar ,Dr.J.Praveen ,Dr.STaraKalyani “Various power Quality issues :Measurement of Flicker and Mitigation of Voltage sag” An International Conference on Intelligent and Efficient Electrical Systems conducted at PSG college of technology Coimbatore, 12-14 Dec 2013
2. Vinay Kumar A, Dr. J.Praveen,” Digital Simulation of Dynamic Voltage Restorer using Direct Power Control Strategy”, presented at 2nd



International Conference on Nanotechnology and Biosensors(ICNB-2,2011) on 27th and 28th December, 2011 organized by IACQER at Raghu Engineering College.

### **National Conferences**

1. **Vinay Kumar. A, Dr. Pradeep Nirgude, D Devendranath** “Implementation of FIR Filters in Reduction of Noise and Smoothing of Data for Evaluation of Lightning Impulses”, presented at National High Voltage Engineering Conference (NHVEC-2014), 7<sup>th</sup> – 8<sup>th</sup> March 2014, CPRI-Hyderabad, page: 26 – 30.
2. **Vinaykumar.A, Dr.J.Praveen, Dr.S.Tarakalyani** “Measurement of Voltage Filcker and Mitigation of Voltage Sag to improve the power Quality” presented at National Conference on “Power Quality and Industrial Drives” conducted by Sreenidhi Institute of Science and Technology ,Hyderabad,July12-13<sup>th</sup> 2013
3. **A Vinay Kumar, Dr J Praveen, Dr S Tara Kalyani**, “Adoption of Direct Power Control Strategy for Enhancement of Dynamic Voltage Restorer” presented at a National Conference on Electrical Power Engineering and Industrial Drives during May 18-19,2012 Organized by Sreenidhi Institute of Science and Technology (Autonomous), Hyderabad.
4. **Dr J Praveen , A Vinay Kumar,**” Adoption of Direct Power Control Strategy And Dynamic Voltage Restorer for Improvement of Power Quality” presented at IETE sponsored National Conference on Emerging Trends in Engineering & Applications (NCETETA-2010) to be held on 12th & 13th November, 2010 at Shirdi Sai Engineering College, Bengaluru.

### **National Journal**

1. **Vinay Kumar A, J.Praveen, S.Tarakalyani** “Various Power Quality Issues: Measurement of Flicker and Mitigation of Voltage Sag”, published in the National Journal of Technology, Vol.10, No.3, September, 2014, pp 49 -55. ISSN 0973-1334.
2. **A Vinay Kumar, Dr J Praveen, Dr S Tara Kalyani**, “Adoption of Direct Power Control Strategy for Enhancement of D ynamic Voltage Restorer”, published in National Journal on Electrical Power Engineering and Industrial Drives (NJEPEID) Volume-1,Number-2, July-Aug,2012. ISSN 2231-590X page no’s 200-205.

### **International Journal**

1. **Vinay Kumar. A, Dr. J Praveen, Dr. S Tarakalyani** “PQ Improvement By Moderation of Multi-Level Inverter Controlling Techniques And Intensifying



The Performance of DVR” published in International Journal of Advances in Electrical and Electronic Engineering (AEEE) journal in the month of June 2015 with the Vol.13 No.2 (2015) page no.s from 107-114.

2. **Dr J Praveen, A Vinay Kumar**, “ Power Quality Improvement with Dynamic Voltage Restorer using Direct Power Control Strategies” published in International Journal of Electrical, Electronics and Computing Technology pp 20-25 Volume -1, Issue-2, January-April 2011. ISSN 2229-3027.



**B.VASANTH REDDY**, ASSISTANT PROFESSOR,  
Dept.EEE (ID-930)

**Qualifications:** M.Tech (2011), B.Tech ( Electrical and Electronics Engineering ) (2008).

**Experience:** 5yrs

**Research interest:** Power Electronics

**Journal Publications/Conference Proceedings:**9

#### International Journals

1. R.Arun Sagar, **B.Vasanth Reddy**, “comparative analysis of SPWM and APWM Techniques for three phase AC Chopper. International journal of emerging trends in engineering and development, issue 2, vol.4 (may-2012).
2. Ch.Nagarjuna Reddy, **B.Vasanth Reddy**, B.Chitti Babu, “performance analysis of different current control techniques for VSI connected to R-L Load. International journal on emerging trends in engineering and development ISSN: 2249-6149, issue 2, vol.5(july 2012).
3. B.Chitti Babu, **B.Vasantha Reddy**, K.B.Mohanty, “A Novel Delta Modulator and Modified Ramp Type Current Controller-Two Viable Scheme for Current Controlled Voltage Source Inverter” international journal of computer applications, Issn- 09758887, Year 2010, vol: 1, issue: 3, pages: 48-54.
4. M.Sunil Kumar, **B.Vasanth Reddy** “Comparative Analysis Hysteresis and Ramp Type Current Controllers for Grid Connected VSI” International Journal of Instrumentation, Control and Automation (IJICA), ISSN: 2231-1890.Vol -1 Issue 2.

#### International Conferences

1. **B.Vasantha Reddy**, B.Chitti Babu “Hysteresis controller and delta modulator-A two viable scheme for current controlled voltage source inverter” International conference for technical postgraduates (TECHPOS-2009), 14 December 2009.



2. **B.Vasantha Reddy**, B.Chitti Babu “A Decoupled Control of Grid Connected Voltage Source Inverter for Wind Power Generating Systems” 5th international conference on power electronics and machine drives (PEMD-2010), 19 April 2010.

#### National conferences

1. B.Vasantha Reddy, B.Chitti Babu, K.B.Mohanty, A.K.Panda, “Synchronous Virtual Grid Flux Oriented Control of Grid Side Converter for Distributed Power Generation System” 4th National Power Electronics Conference, NPEC-2010, 10- 13 June 2010, IIT Roorkee.
2. B.Chitti Babu, B.Vasantha Reddy, “An Improved Dynamic Response of Voltage Source Inverter using Novel Hysteresis Dead Band Current Controller” 18<sup>th</sup> Annual Symposium on “Emerging Needs in Computing, Communication, Signals and Power” IEEE Bangalore. 2009.
3. B.Vasanth Reddy, B.Chitti Babu, “Analysis of different current controlling techniques for VSI”. AICTE sponsored Emerging Technological Trends National Level Conference, NCETT-2010.

#### BOOKS PUBLISHED:

1. B.Vasanth Reddy, B.Chitti Babu, “Electrical Generation and Distribution Systems and Power Quality Disturbances” chapter entitled Power Quality Improvement by Using Synchronous Virtual Grid Flux Oriented Control of Grid Side Converter, ISBN 978-953-307-329-3.Link:[http://www.intechopen.com/articles/show/title/power-quality improvement byusing- synchronous-virtual-grid-flux-oriented-control-of-grid-side-conve](http://www.intechopen.com/articles/show/title/power-quality%20improvement%20byusing-%20synchronous-virtual-grid-flux-oriented-control-of-grid-side-conve)



**P.SRIVIDYA DEVI**, ASSISTANT PROFESSOR,  
Dept.EEE (ID-931)

**Qualifications:** Ph. d (pursuing) from AU. M.Tech (2008 ) JNTUCEH B.Tech ( Electrical and Electronics Engineering ) (2005).

**Experience:** 7yrs

**Research interest:** Power Systems

**Journal Publications/Conference Proceedings:** 5

**National Journal Publications:**2

1. **Srividya devi P**, Pusphalatha D.V. and Sharma P.M. “Measurement of Power and Energy Using Arduino” Research Journal of Engineering Sciences ICSA ISSN 2278 – 9472, Vol. 2(10), 10-15, October (2013).

2. **Srividyadevi P** , G.Sreenivas “ Novel Implementation Of Pspice Modeling For Reliability Analysis Of Distribution Systems” Vol 6...No 2 ..In Sept 2010 Journal Pp 167-176.

### National Conferences

1. **P.Srividyadevi,P.Sirisha,Dr.D.V.Pushpalatha**”Design of Line following Robot using Arduino” National conference on Contemporary Control (ConCon),Andhra University Vishakapatnam,Nov 2014.
2. Dr.D.V.Pushpalatha,**P.Srividyadevi,R.Vijaya santhi**”Speed Control of DC Motor using Arduino”National conference on Contemporary Control (ConCon) ),Andhra University Vishakapatnam,Nov 2014.
3. P.Sirisha,**P.Srividyadevi,Dr.D.V.Pushpalatha**”Ultrasonic RADAR system using Arduino”National conference on Contemporary Control (ConCon) ),Andhra University Vishakapatnam,Nov 2014.



**M.REKHA**, ASSISTANT PROFESSOR, Dept.EEE (ID-933)

**Qualifications:** M.Tech (2012), B.Tech ( Electrical and Electronics Engineering ) (2004).

**Experience:** 3yrs

**Research interest:** Power Electronics

**Journal Publications/Conference Proceedings:** 2

**International Journal:** 1

1. **M.Rekha**, Mr.K.P.Swaroop “An Electromagnetic Vibrational Energy Harvesting Using Boost and Buck-Boost Converter” Published in international journal of engineering research & technology(IJERT),Vol.1 Issue 7, September-2012.

### National conference:1

1. Dr.D.V.Pushpa Latha, **M.Rekha**, Dr. K.R.Sudha, “System identification of dc motor-generator set using matlab/labview”, National Conference on Contemporary control and Soft computing in Electrical Engineering, Andhra University, Visakhapatnam, May, 2013.



**P. SIRISHA**, ASSISTANT PROFESSOR, Dept.EEE (ID-934)

**Qualifications:** M.Tech (2012) JNTUCEH B.Tech ( Electrical and Electronics Engineering ) (2007).

**Experience:** 7yrs

**Research interest:** Power Systems

**Journal Publications/Conference Proceedings:** 2

**National Conferences**

1. P.Srividyadevi,P.Sirisha,Dr.D.V.Pushpalatha"Design of Line following Robot using Arduino" National conference on Contemporary Control (ConCon),Andhra University Vishakapatnam,Nov 2014.
2. P.Sirisha,P.Srividyadevi,Dr.D.V.Pushpalatha"Ultrasonic RADAR system using Arduino" National conference on Contemporary Control (ConCon) ,Andhra University Vishakapatnam,Nov 2014.



**V.USHA RANI**, ASSISTANT PROFESSOR, Dept.EEE (ID-1045)

**Qualifications:** M.Tech (2009), B.Tech ( Electrical and Electronics Engineering ) (2007).

**Experience:** 7.8 years

**Research interest:** Power Systems

**International Conference Proceedings:** 1

1. Kuldip Singh, MadhuSmita shial,V.Usha , "Real time web based monitoring system for CO2" International conference in innovation in electronics and communication Engg (ICIECE) on 20-21,July 2012,GNIT- Hyderabad



**P.PRASANTH KUMAR**, ASSISTANT PROFESSOR, Dept.EEE (ID-1055)

**Qualifications:** M.Tech (2011), B.Tech ( Electrical and Electronics Engineering ) (2008).

**Experience:** 3yrs

**Research interest:** Power Electronics

**International Journal Publication :**1

1. Shiva Kumar, P. Prashanth Kumar, "Development and Testing of Non-Isolated Boost Converter" International Journal of Engineering Research and Technology (IJERT), ISSN: 228-0181, Vol. 2 , Issue 8 , August- 2013.



**K.SUDHA**, ASSISTANT PROFESSOR, Dept.EEE (ID-1211)

**Qualifications:** M.E (2008), B.E ( Electrical and Electronics Engineering ) (2006).

**Experience:** 6.8 years

**Research interest:** Power Electronics and Power Systems

**International Conference Proceedings:** 1

1. B. Navya Sree K.Sudha U. Madhuri "Fault Current Limiter in Single Phase and Three Phase Lines for Compensating Voltage Sag " International conference on Recent Trends in Engineering an Science and Management (ICRTESM) 15 March 2015 ,Paper ID: ICRTESM/JNU/2015 Page No: 871-874 Jawaharlal Nehru University, New Delhi



**M.KARTHIKA**, ASSISTANT PROFESSOR, Dept.EEE (ID-1237)

**Qualifications:** M.Tech (2011), B.Tech (Electrical and Electronics Engineering ) (2008).

**Experience:** 4 years

**Research interest:** Power Electronics and Power Quality

**Journal Publications/Conference Proceedings:**6

#### Journal Publications

##### International

1. T. Chiranjeevi, I. V. V. Vijetha, B. N. CH. V. Chakravarthi, and M. Karthika "Tuning and Control of Multi Variable Systems" in International Journal of Electronics and Electrical Engineering Vol. 2, No. 4, PP.309-320 December, 2014, doi:10.12720
2. Karthika Mangamuri, V V Vijetha Inti "Comparative Analysis Of Multipulse Ac-Dc Converters In VCIMD" in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Vol. 2, Issue 9, September 2013, ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875, Impact Factor :1.686



3. V V Vijetha Inti ,**Karthika Mangamuri**, Ch Phani Kumar on **“A New Topology for Power Factor Correction using Resonant Converters”** in International Journal of Soft Computing and Engineering ISSN: 2231-2307, Volume-3, Issue-4, September 2013 ISSN: 2231-2307, **Impact Factor :1.224**
4. Published a Research paper entitled **“An Improved Power Quality Using AC-DC Multi-Pulse Converters in Vector Controlled Induction Motor Drives”** in the online journal ELIXIR, **Karthika et al./ Elixir Elec. Engg. 38 (2011) 4383-4386.**

#### **Conference Proceedings**

##### **International**

1. **M.Karthika, Mr.K.P.Swaroop “An Improved Power Quality Using AC-DC Multi-Pulse Converters in VCIMD”,** in the Proceedings of International Conference on Nanoscience & Advanced Computing (ICNEAC-2011) organized by Swarnandhra College of Engineering & Technology on 8<sup>th</sup> -10<sup>th</sup> July -2011.

##### **National**

1. **Karthika Mangamuri ,V V Vijetha Inti “Stability Enhancement of Single Machine Connected to Infinite-Bus with PSS”** in national level Conference NCIET 2013 ISBN: 978-1-4276-5484 organized by Gudlavalleru Engineering College on 27<sup>th</sup> -28<sup>th</sup> Dec -2013.

# DEPARTMENT OF INFORMATION TECHNOLOGY ENGINEERING

## INTRODUCTION

B.Tech Information Technology (IT) discipline was initiated with an intake of 40 in 1999 and the department at present has an intake of 120 annually. The department also runs a Post Graduation course M.Tech (Software Engineering) with an intake of 18. The state of art facilities and well qualified faculty are taking care of all round development of the students and make them industry as well as job ready.

In addition to quality teaching, students are exposed to certification courses and workshops along with personality development programs. Furthermore, required training is imparted to the interested students to prepare for competitive examinations such as GATE, CAT etc. The gradual increase in the number of participants and competitors for various programs and the growing number of placements reflects the impact of these programs.

The department is strengthened with a total of 30 faculties out of which 2 are Doctorates and 10 are pursuing Ph.D's and 16 are holding M.Tech degree. The department has organized two International conferences in the area of computing methodologies and many workshops.



## Doctorates in IT

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1.	Dr. Y.Vijayalata	2012	16
2.	Dr. PadmalayaNayak	2010	22

## Research Projects/FDP's/Seminar Grants/Sanctioned (Year wise-descending order)

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. Y. Vijayalata	Staff Development Program on "Explore the knowledge optimum utilization of Advanced open office" by Synchroserve	TEQIP II	0.35	2015
2.	Dr. Y Vijayalata	Workshop on "Data Structures and algorithms behind Auto suggest" by Being Zero Tech	TEQIP II	0.19	2015
3.	Dr. Padmalaya Nayak	Workshop on "CISCO" by IBNC	TEQIP II	0.16	2015
4.	Dr. Padmalaya Nayak	FDP on "Simulations of Raspberry Pi with wireless sensor Networks" by Raspberry	TEQIP II	0.30	2015
5.	Dr. Y. Vijayalata	Mobile App Development in Windows 8	TEQIP II	0.07	2014
6.	Dr. Padmalaya Nayak	Network Simulation using NS2	TEQIP II	0.44	2014





S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
7.	Veena Trivedi	Recent Trends in Mobile Application Development	TEQIP II	0.22	2013
8.	Dr. PadmalayaNayak	MODROBS	AICTE	8.5	2013
9.	K. Prassana Lakshmi	Spatial Data Mining	TEQIP	0.50	2013
10.	G. Vijendra Reddy	PHP	TEQIP	0.50	2013
11.	K. Prassana Lakshmi	Web Technologies	TEQIP	0.50	2013
12.	P. Gopal Krishna	Total Quality Management	TEQIP	0.50	2013
13.	Dr. T.V.RajniKanth	ICACM-13	TEQIP	4	2013
14.	Dr. T.V.RajniKanth	Hardware & Networking	TEQIP	0.50	2012
15.	Y.J. Nagendra Kumar	Network Administration	TEQIP	0.50	2012
16.	Dr. T.V. RajniKanth	ICACM-11	AICTE	0.70	2011
17.	Dr. T.V.RajniKanth	ICACM-11	DST	0.75	2011



**Dr.Y.Vijayalata** (ID-619)

**Designation:** HOD & Professor of IT

**Qualifications:** Ph.D (CSE)

**Experience:** 18 years

**Research Interest:** Pattern Recognition

**No. of Publication/Conferences:** 16

**Certifications:** No. of times invited for guest lectures: 30

**Books Published:**

1. Dr. Y. Vijayalata, Anuradha R “ **Formal Languages and Automata Theory**”, CBS Publications, New Delhi
2. Dr. Y. Vijayalata, “ **Data Structures through C and C++**”, Pearson Edition (in press)

**Journal Publications:**

**International publications: (year wise –descending order)**

1. “**A Better and Secure Cloud Storage for Public Auditing Using HLA**”, K. Vinod, Dr. Y. Vijayalata published in IJRECS, May – June 2014, V-1, I-2.  
**ISSN-2321-5484**
2. “**An Advanced Approaches for 3d Face Recognition**”, B. NarendraBabu, Y. VijayaLata, published in IJRECS, June – July 2014, V-1, I-3.  
**ISSN-2321-5484**
3. Y. Vijayalata, Anuradha K, “**A Distuributed Storage Integrity Auditing or Secure Cloud Storage Services**”, International Journal of Advanced Research in Computer Science and Software Engineering, Department of Computer Science 2013. **IF:2.08**
4. Y. Vijayalata, A. Govardhan, “ **Query Based Face Retrieval from Automatic Reconstructed Images based on 3D Frontal View – Using EICA**”, Global Journal of Computer Science and Technology, Vol.11, Issue 8, Version 1.0, May 2011 **IF: 2014 Evaluation Pending.**
5. Prof. Y. Vijayalata, Chandra KiranBharadwajTungathurthi, H. Ram Mohan Rao, Dr. A. Govardhan, Dr. L. P. Reddy, “**Facial Recognition using Eigen faces by PCA**”, International Journal of Recent Trends in Engineering, Vol. 1, No. 1, May 2009. **IF: 2014 Evaluation Pending.**



**National publications: (year wise –descending order)**

1. Y. Vijayalata, AshlinDeepa R N, R. RajeshwarRao, “**A Multiset Approach for Recognition of Handwritten Characters using PUZZLE PIECES**”, CS & IT Journal.
2. Y. Vijayalata, A. Govardhan, “ **Impact of Image Resizing Factor in face Recognition System using PCA**”, Journal of Global Research in Computer Science Vol.2, No.4, April 2011, ISSN: 2229-371X. IF: 0.60.

**Conference Proceedings**

**International Conferences: (year wise –descending order)**

1. Y. Vijayalata, Sk. AlthafHussainBasha, Y.R. Ramesh Kumar, KarthikNarla, “**Predicting Student Academic Performance using Temporal Association Mining – A Case Study on Educational Data**”, IEEE International Conference on Engineering for Humanity (ICEH-2013) August 2013, pp. 21-27.
2. Y. Vijayalata, Sk. AlthafHussainBasha, V. Anand, DonapatiSrikanth “**Study of Education Patterns using Rare Association Mining – A Case Study on Educational Data**”, IEEE International Conference on Engineering on Humanity (ICEH-2013), August 2013, pp. 53-61.
3. Y. Vijayalata, Sk. AlthafHussainBasha, V. Anand, “ **Study of Education Patterns using Rare Association Mining – A Case Study on Educational Data**”, International Conference on Engineering for Humanity 2013
4. Y. Vijayalata, Sk. AlthafHussainBasha, Y R RameshKumar ,” **Predicting Student Academic Performance using Temporal Association Mining – A Case Study on Educational Data**”, International Conference on Engineering for Humanity 2013.
5. Y.Vijayalata ,Dr.A.Govardhan , “**Interactive Content-Based Image Retrieval System**”,International Conference on International Conference-Geoinformatics for Rural Development 2006.

**National Conferences: (year wise –descending order)**

1. Y. Vijayalata, AshlinDeepa R N, R. RajeshwarRao, “ **Overview of Pattern Algorithms**”, National Conference on Emerging Trends of Computing, 18-19 March 2013.
2. Y. Vijayalata, Mounika D, Sk. AlthaHussainBasha, Y R Ramesh Kumar, “ **Study on Education Patterns using Rare Association Mining**”, National Conference on Emerging trends of Computing, 18-19 March 2013.
3. Y. Vijayalata,”**Recognition of Human Face by PCA using Scilab**”, Indian Conference on Computer Vision, Graphics ,Image & Video Processing

ICCVGIVP 2009 by Department of Information Technology, Ministry of Communication & Information Technology, Government of India, 2009.



**Dr. Padmalaya Nayak (ID-713)**

**Qualifications:** Ph.D (CSE)

**Experience:** 14 years

**Research Interest:** Computer Network

**No. of Publication /Conferences:** 22

**No. of times invited for guest lectures:** 5

**Books Published:**

1. **Padmalaya Nayak**, “Wireless Network and Mobile Communication: An Novel Approach to OBE System” (Under Review)

**Book Chapters**

1. **Padmalaya Nayak** “Impact of Cloud Gaming on Health Care, Entertainment, and Education” Submitted to IGI Global Publisher for the upcoming book Emerging Technologies and Applications for cloud based Gaming. (Abstract Accepted-Under Review)
2. **Padmalaya Nayak**, “Internet of Things Issues, Challenges and Applications” Submitted to IGI Global Publisher for the upcoming book Handbook of Research on Advanced WSN Applications, Protocols and Architecture. (Abstract Accepted-Under Review)

**International Journal Publication:**

**International publications: (year wise –descending order)**

1. **Padmalaya Nayak**, D. Anurag, “A Fuzzy Logic based Routing Protocol for WSN to extend the Network Lifetime” Accepted in IEEE SENSOR JOURNAL, Impact Factor (1.987) for publication, 2015 Upcoming Issue.
2. **Padmalaya Nayak**, Bhabani V, B. Labanya, “Impact of Black-hole and Sink-hole Attack on Routing Protocols for WSN” International Journal of Computer Applications (0975-8887), Vol. 116, No. 4, pp. 42-46, April 2015.
3. **Padmalaya Nayak**, B. Labanya, V Bhavani, “Analysis of DSR protocol for MANET under black-hole and sink-hole attacks using NetSim Simulator” International Journal of Electronics Communication and Computer Technology (IJECCCT) (ISSN:2249-7838), Vol. 5 Issue ICICC (May 2015), pp. 10-14.



4. **Padmalaya Nayak**, Palavishree, "Comparison of Routing protocols using NetSim Simulator: LEACH Vs LEACH-C" International Journal of Computer Applications (0975-8887), Vol. 106, No. 11 , pp. 1-6, Nov. 2014.
5. A.Rupesh, **PadmalayaNayak**, "Load Balancing theory in Peer to Peer for Content Distribution Network", IJRECS, Vol.-1, pp. 1-3, ISSN-2321-5484, 2014.
6. **Padmalaya Nayak**, G. Ramamurthy, "Constrained based Path selection QoS Routing Algorithms – MCP and MCOP Problems", BioInfo. Journal of Information Systems and Communications (JOISAC), (Peer reviewed), ISSN: 0976-8742, Vol. 4, Issue-1, pp. 384-390, Impact Factor Value: 4.57, April 2013.
7. **Padmalaya Nayak**, D. Anurag, G. Sai Krishna, "Performance Evaluation of LEACH and LEACH-C protocol for WSN in a mobile environment", International Journal of Advanced Research in Computer Science, ISSN: 0976-5697, pp. 149-153, Vol.-5, No. 4, April 2014.
8. **Padmalaya Nayak**, Saraswati Bhakare, Nazia Tabassum, "Comparative study of DSR, AODV routing protocol for WPAN using NetSim Simulator", International Journal of Advanced Research in Computer Science, ISSN: 0976-5697, pp. 254-257, Vol.-5, No. 4, May 2014.
9. Sujeethananda, **Padmalaya Nayak**, and G. Ramamurthy, "QoS Routing in cognitive Wireless sensor networks", Bonfring International Journal of Networking Technologies and Applications (Peer reviewed), ISSN: 2277-5048, Vol.2, No. 1, PP. 1-9, March 2013.
10. **Padmalaya Nayak**, G. Ramamurthy, "Utilization of Novel Overlap Functions in Wireless Sensor Fusion", Sensors and Transducers Journal, ISSN 1726-5479, Vol. 94, Issue 7, PP. 139-149, July-2008.
11. **Padmalaya Nayak**, Tata Jganatha, G. Ramamurthy, "Optimal, Secure Cluster Head Placement on Sensor field through Source Coding" Submitted to International journal of IE (Springer Series-B), November 2013 (Under Review)
12. **Padmalaya Nayak**, "Wireless Sensor Network Security: Denial of Service Attack and Countermeasure" Submitted to International journal of Information Security, Jan 2015

#### Conference Proceedings

##### International Conferences: (year wise –descending order)

1. **Padmalaya Nayak**, M Sowmya and Pranaya J "Integration of Sensor Node with Raspberry-Pi for Health Care Monitoring Application" in Proc. of



International Conference on Advances in Electronics and Computer System (IAECS-2015), pp. ECS-048—ECS-052, ISSRD, Bangalore, India

2. **Padmalaya Nayak**, Pallavishree, “Comparision of two reactive routing protocols with random walk and random way mobility model using NetSim Simulator” in Proc. of International Conference of Communications and Informatics (ICCI-2015), (ieee explorer) Coimbatore, India.
3. **Padmalaya Nayak**, B. Labanya, V Bhavani, “Analysis of DSR protocol for MANET under black-hole and sink-hole attacks using NetSim Simulator” in Proc. of International conference on Innovations in Computing and Communications” (ICICC-2015), pp-25-30, BVRIT, Hyderabad .
4. **Padmalaya Nayak**, D. Anurag, V.V.N.A Bhargavi, “ Fuzzy based method Super Cluster Head election for Wireless Sensor Network with Mobile Base Station (FM-SCHM)”, in Proc. of 2<sup>nd</sup> International Conference on Advanced Computing Methodologies” pp. 422-427, GRIET, Hyderabad, 2013.
5. **Sujeethananda, Padmalaya Nayak**, G. Ramamurthy “A Novel Approach to Routing Protocol for WSNs-QoS Provisioning” in proc. of the International Conference on Advances in Computing and Communications, (ICACC), pp. 38-41, 9-12<sup>th</sup> August 2012, Cochin, Kerala, India.
6. **Padmalaya Nayak**, G. Ramamurthy, and A.K.Banerjee “A Novel approach to Energy Aware Routing protocol in WSNs” in proc. of International Conference on Systemics, Cybernetics and Informatics (ICSCI) Vol. 1 and 2, pp. 496-499, Jan 2010.
7. **Padmalaya Nayak**, Akil Goel and G. Ramamurthy “Modified Priority Assignment with Soft Reservation Medium Access Control Protocol for Mobile Ad hoc Networks” in Proc. of 10th International Symposium on Wireless Personal Multimedia Communications, WPMC, (Jaipur, India), pp. 1059-1063, Dec 2007.
8. **G. Ramamurthy, Padmalaya Nayak** “Novel Overlap Functions: Wireless Sensor Fusion” in Proc. of International Conference of Sensors and Related Networks, SENNET’07, pp. 461-466 (Vellore, India.) Dec., 2007.

**National Conferences: (year wise –descending order)**

1. **Padmalaya Nayak**, D. Anurag “Performance enhancement of LEACH Protocol for WSN with Mobile Base station” in Proc. of National Conference on Innovation, Advancements and Computing, Gitam University, 28<sup>th</sup> - 29<sup>th</sup> March 2014.
2. **Padmalaya Nayak**, Saraswati Bhakare, Nazia Tabassum, “Comparative analysis of AODV and DSR routing protocol for PAN using NetSim Simulator”

Accepted in National Conference on Innovation, Advancements and Computing, Gitam University, 28<sup>th</sup>- 29<sup>th</sup> March 2014.



**K. PrasannaLakshmi** (ID-525)

**Qualifications:** M.Tech (CSE) (Ph.D)

**Experience:** 13 years

**Research Interest:** Data Mining

**No. of Publication/Conferences:**8

**Journal Publications:**

**International publications: (year wise –descending order)**

1. **“Fast Rule-Based Heart Disease Prediction using Associative Classification Mining”** in IEEE International Conference on Computer, Communication and Control, MGI Indore, INDIA. **Paper can be browsed from IEEE Explore. Sep 2015**
2. **“Fast Rule-Based Prediction of Data Streams using Associative Classification Mining”** in 5<sup>th</sup> IEEE International Conference on It Convergence And Security, Kuala Lumpur, Malaysia. August 24-27 2015. Paper can be browsed from IEEE Explore.
3. **“Efficient Classifier over Stream Sliding Window using Associative Classification”** in International Conference on Data Mining (DMIN15), Las Vegas, USA with ISBN. **Paper can be browsed from ACM Digital Library. July 2015**
4. **“Efficient mining of Data Streams using Associative Classification Approach”** in International Journal of Software Engineering and Knowledge Engineering Vol 25, Issue 2, June 2015 ISSN (Online) : 1793-6403. **Paper can be browsed online**
5. **“Efficient Classifier Generation over Stream Sliding Window using Associative Classification approach”** International Journal of Computer Appliances Vol 115, Issue 22, April 2015 ISSN : 0975 – 8887. **Paper can be browsed online**
6. **“Compact Tree for Associative Classification of Data Stream Mining”** in International Journal of Computer Science Issues Vol. 9, Issue 2, No 2, March 2012 ISSN (Online): 1694-0814".
7. **“A survey on different trends in data streams”** in International Conference on Networking and Information Technology (ICNIT 2010), Manila,

Philippines with ISBN : 978-1-4244-7577-3 sponsored by International Association of Computer Science and Information Technology (IACSIT).

8. **“Generation of Clusters for duplicate recording Union Find Alogorithm”**, International Conference on Advance Computing Technology 2008.



**Y. J. Nagendra Kuma (ID-390)**

**Qualifications:** M.Tech (CSE) Ph.D

**Experience:** 11 years

**Research Interest:** Web GIS Mining

**No. of Publication/Conferences:** 6

**Journal Publications:**

**International publications: (year wise –descending order)**

1. **“A Better Search Optimization for Multidimensional Queries over Cloud on Encrypted Data”**, M Chander, Y.J.Nagender Kumar, IJRECS, May-June 2014, V-1,I-2

**Conference Proceeding:**

**International Conference**

1. **“Performing Geo Coding on Address locators and Composite address locators”**, Y. J. Nagendra Kumar, Y. Vinay Kumar, P. K. Abhilash, V. Sujatha, International conference on Innovations in Computer Science and Engineering (ICICSE-2014) 8<sup>th</sup> - 9<sup>th</sup> August 2014, Guru Nanak Institutions Technical Campus, Hyderabad,
2. **“Managing Satellite Imaginery Using Geo Processing Tools and Sensors- Mosaic Data Sets”**, Y. JeevanNagendra Kumar, Dr. T.V. RajiniKanth, published in 1<sup>st</sup> International Conference on Rough Sets and Knowledge Technologies-2014.
3. **“Web GIS Mining for Effective Retrieval of Remote Sensed Data: A Survey Paper”** ,Y. JeevanNagendra Kumar, Dr. T.V. RajiniKanth.
4. **“Optimal Distribution of mobile network towers: an approach through Geo Spatial Data Mining”** Y. JeevanNagendra Kumar, Dr. T. V. Rajinikanth, Mohana Krishna.
5. V.Sujatha, Dr.G.AppaRao, M.Archana, Y.JeevanNagendra Kumar **“An Approach to integrate de-duplication with backup to cloud storage”** published in International Conference on Advanced Computing Methodologies (ICACM’11), Dec 2011. Pg: 301-305.





**T. Veena** (ID-712)

**Qualifications:** M.E (ComputerEngineering) Ph.D

**Experience:** 19 years

**Research Interest:** Web Mining

**No. of Publication/Conferences:** 2

**Journal Publications:**

**International publications: (year wise –descending order)**

1. Aruna Tiwari,VeenaTrivedi, “**Estimating Similarity of XML Schemas using Path Similarity Measure**”,International Journal of Computer Applications & information Technology (IJCAIT-ISSN 2278-7720) ,Vol. 1, No.1, July 2012,pp 34-37. IF: 0.405

**Conferences:**

**International Conference:**

1. T.Veena, Dr.T.Aruna “**An Approach for Reposition of XML data in Relational Repository using XML Schema**”, published in International Conference on Advanced Computing Methodologies (ICACM’11), Dec 2011. Pg: 295-29.



**P. Gopala Krishna** (ID-558)

**Qualifications:** M.Tech (CST),(PhD)

**Experience:** 12 years

**Research Interest:** Data Mining/Document Clustering

**No. of Publication/Conferences:** 04

**No. of times invited for guest lectures : 05**

**Journal Publications:**

**International publications: (year wise –descending order)**

1. Y. UshaJyothi, P Gopala Krishna “**Utilization of Mining Queries for Efficient Online Image Retrieval**”, International Journal for Research on Electronics and Computer Science” Aug – Sep 2014, V-1, I-5, ISSN-2321-5484 (Online)
2. P Gopala Krishna, Dr D LalithaBhaskari, P V S S Rahul, “**A Comparison between K-means and Hierarchial Algorithms**” International Journal of Advanced Computing” ISSN:0975-7686

## Conference Proceedings

### International Conferences

1. P Gopala Krishna, Dr D LalithaBhaskari “**Fuzzy C-means and Fuzzy TLBO for Fuzzy Clustering**”, 2<sup>nd</sup> International Conference on Computer and Communication Technologies (IC3T2015) SPRINGER proceedings



### **S. V Appaji** (ID-808)

**Qualifications:** M.Tech (CST),(Ph.D)

**Experience:** 6 years 6 months

**Research Interest:** Cryptography & Network Security

**No. of Publication/Conferences:** 03

**No. of times invited for guest lecturers :** 01

### Journal Publications:

#### International publications: (year wise –descending order)

1. SangapuVenkata Appaji<sup>3</sup>, D Ranta Giri<sup>1</sup>, T.V.Subbrao<sup>2</sup>, PLN Raju<sup>4</sup>, “**Efficient implementation of fault prediction in Object-oriented systems based on conceptual cohesion of classes,**” International Journal of Computer Science & Communication Networks, Vol 1(3), 310-317, December - January 2011-2012.
2. SangapuVenkata Appaji<sup>3</sup>, ANL Kumar<sup>1</sup>PLN Raju<sup>2</sup>, D Ranta Giri<sup>4</sup>, “**Efficient design of static analysis tool for detecting web vulnerabilities,**” International journal of Engineering research and applications, Vol. 2, Issue 1, Jan-Feb.2012, pp.345-354.

## Conference Proceedings

### International Conferences

1. S. V. Appaji<sup>3</sup>, K. Santhisree<sup>1</sup>, A Damodaram<sup>2</sup>, D. Nagarjunadevi<sup>4</sup>, “**Web Usage Data Clustering Using Dbscan Algorithm and Set Similarities,**” DSDE '10 Proceedings of the 2010 International Conference on Data Storage and Data Engineering, pp: 220-224

# DEPARTMENT OF CIVIL ENGINEERING

## INTRODUCTION

Department of Civil Engineering was established in the year 2008. It conducts B.Tech programme in Civil Engineering and M.Tech Programme in Structural Engineering . The Department has well-equipped laboratories.

In addition to quality teaching, students are exposed to certification courses and workshops along with personality development programs. The gradual increase in the number of participants for various programs and the growing number of placements reflects the impact of these programs.

The department is strengthened with a total of 35 faculties out of which 4 are Doctorates and 5 are pursuing PhD's.



## Doctorates in CE

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1.	Dr.Mohd. Hussain	2002	26
2.	Dr. N. Sanjeev	2003	14
3.	Dr. G.V.K.S.V. Prasad	2008	09
4.	Dr. V Srinivasa Reddy	2015	56
5.	Dr. C Lavanya	2015	09

## Research Mobilization for Research (TEQIP-II)

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. Mohd. Hussain	Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS) – 2014: Two day National Workshop-December 16-17,2014	TEQIP-II	45,000	2014

## FACULTY AND THEIR PUBLICATIONS :



**Dr. Mohammed Hussain, Professor & HOD**  
(ID: 861)

**Qualifications:** Ph.D (Water Resources Engineering) (JNTUH- Hyderabad, 2002) M.E ( Hydromechanics and Water Management) (Osmania University, 1992) PG Diploma in Design and Construction of Concrete Structures(Annamalai University,2006) Master of Human Resource Management (Pondicherry

University, 2004) B.Tech (Civil Engineering) (National Institute of Technology, Warangal, 1983).

**Experience :** 29 years

**Research Interest :** Water Resources Engineering, Irrigation Engineering and Management, Ground water and Surface water Conjunctive Use Management, Hydrometry, Rainwater Harvesting, Capacity building of water managers and water users in the area of Irrigation Management, Participatory Irrigation Management(PIM), Concrete Bridge Engineering, Concrete structures-particularly-Buildings and Hydraulic Structures.

**Journal Publications/ Conference Proceedings:** 26

**Journal publications**

**National**

1. S.Bahauddin and Mohd.Hussain (1995), "Optimal surface irrigation under conditions of limited water supply – A case study in Sriram Sagar Project", Journal of India Water Resources Society, Vol. 1, No. 2, PP.25-29, ISSN 0970 -6984.

**Conference Proceedings**

**International**

1. Dr.Mohammed Hussain(2014),"Planning and Implementation of operation plans of Irrigation projects to increase water use efficiency: A case study in India", Paper presented in the International conference on " Modeling Tools for Sustainable Water Resource Management", organized by the Department of Civil Engineering, Indian Institute of Technology(IIT), Hyderabad from 26-29 December, 2014



2. Dr.Mohammed Hussain(2014), “Capacity Building of water resource managers and users by developing **S.E.L.F. Renewal Quotient** in Participatory Irrigation Management”,Paper presented in the International conference on “HYDROLOGY AND WATERSHED MANAGEMENT”, organized by Centre for Water Resources of Institute of Science and Technology(IST) of JNTUH from 29 October to November 2014.
3. Dr.Mohammed Hussain(2014) as Coauthor,“Optimal wastewater reuse planning for irrigation and studies on the quality of soil and water:A case study in Musi River corridor near Hyderabad”, Paper presented as coauthor in the International conference on “HYDROLOGY AND WATERSHED MANAGEMENT”, organized by Centre for Water Resources of Institute of Science and Technology(IST) of JNTUH from 29 October to November 2014.
4. Dr.Mohammed Hussain (2013),”Sustainable Practices of Engineering Management in Irrigation Projects to increase water use efficiency :A case study in India”, Paper submitted in the International Conference INDIA WATER WEEK 2013 by Ministry of Water Resources , Government of India from 8-12 April,2013 at Vigyan Bhavan, NewDelhi
5. Dr.Mohammed Hussain(2013), “Capacity building of water resource managers and users by developing **D.E.E.P.-A.C.C.E.S.S.** implementation Quotient of daily life skills for sustainable participatory irrigation management “,Paper submitted in the International Conference INDIA WATER WEEK 2013 by Ministry of Water Resources , Government of India from 8-12 April,2013 at Vigyan Bhavan,NewDelhi
6. Dr.Mohammed Hussain(2010), “Universal **B.E.S.T.** Intuitive Leadership Wisdom model of “Mindfulness attention”- Paper presented in the “International Conference on Hydrology and Watershed Management”, February,3-6,2010 by Jawaharlal Nehru Technological University, Hyderabad
7. Dr.Mohammed Hussain (2010),”Basic tools for integrated water resources management for sustainable crop production : Case studies in Andhra Pradesh state of India” Paper presented in the “International Conference on Hydrology and Watershed Management”,February,3-6,2010 by Jawaharlal Nehru Technological University, Hyderabad.
8. Dr.Mohammed Hussain(2006), “Capacity Building of water resource managers by developing **M.A.A.T.R.U.S.H.R.I.** Enlightenment Quotient in the successful implementation of Participatory management of water resources towards sustainable development”, Paper presented in the “International Conference on Hydrology and Watershed Management”,



December 5-8,2006 by Jawaharlal Nehru Technological University, Hyderabad – ISBN :81 – 7800 -138 -1,Vol II,Pages 1175 -1190

9. Dr.Mohammed Hussain(2006), “Multidisciplinary Diagnostic Analysis (M.D.A.) Annual Reports , Design Operation Plans (D.O.P), Seasonal Operation Plans (S.O.P) and Actual Implementation of Approved Seasonal Operation Plans (A.O.P) as basic tools for Integrated Water Resources Management for sustainable crop production in irrigation projects: Case Studies in AndhraPradesh of India”, Paper presented in the “International Conference on Hydrology and Watershed Management”,December 5-8, 2006 by Jawaharlal Nehru Technological University ,Hyderabad-ISBN 978 - 81-7800 -224- 8 ,Volume II ,Pages 817 -827
10. Dr.Mohammed Hussain (2004), “ Impact of Transactional Analysis in my daily life – Confession of an Engineer “ – Paper presented in the International Transactional Analysis Conference at Bangalore from July 28 to August 1 ,2004 ( HRD topic)
11. Dr.Mohammed Hussain(2002), “A simple conjunctive water use model to monitor the groundwater table in waterlogged areas of irrigation project command areas”- Paper presented in the International conference on “Hydrology and watershed Management” December, 18-20, 2002 organised by the Centre for Water resources, IPGSR, JNTU, Hyderabad.
12. Dr. Mohammed Hussain (2002),” Capacity Building of Water Users Associations in Andhra Pradesh in India : Certain Observations” - Paper presented in the International conference on “Hydrology and watershed Management” December, 18-20, 2002, Organised by the Centre for Water resources, IPGSR, JNTU, Hyderabad.(HRD topic)

#### National

1. Dr.Mohammed Hussain (2012),”Capacity building of water resource managers in Participatory Irrigation Management”, Paper submitted in one day national seminar on “Sustainable Technologies in Civil Engineering:Perspectives and Strategies(STEPS-2012) on 19<sup>th</sup> December,2012
2. Dr.Mohammed Hussain (2012),”Preliminary aspects of selfless-innerself-centred S.P.R.Y. Living Unlearning and Learning Practice Model in the present new minute for sustainable natural resource management”, Paper submitted in one day national seminar on “Sustainable Technologies in Civil Engineering:Perspectives and Strategies(STEPS-2012) on 19<sup>th</sup> December,2012



3. Dr.Mohammed Hussain(2012), "Sustainable Management Practices in Irrigation Projects", Paper submitted in one day national seminar on "Sustainable Technologies in Civil Engineering:Perspectives and Strategies(STEPS-2012) on 19<sup>th</sup> December,2012
4. Dr.Mohammed Hussain(2011), "Preliminary aspects of universal APT self-facing Environmental Communication and Leadership Wisdom Model ",Paper submitted in one day national seminar on "Sustainable Technologies in Civil Engineering:Perspectives and Strategies(STEPS-2011) on 17<sup>th</sup> December,2011
5. Dr.Mohammed Hussain (2011),"Practices for the sustainability of quality and quantity of water resources", Paper submitted in one day national seminar on "Sustainable Technologies in Civil Engineering:Perspectives and Strategies(STEPS-2011) on 17<sup>th</sup> December,2011
6. Dr.Mohammed Hussain(2005), "Engineering Management Practices for the sustainability of quality and quantity of water resources in 21<sup>st</sup> Century" – Paper presented in the national seminar on " Sustainable Technologies in Civil and Mechanical Engineering",28-30July 2005, Muffakhamjah College of Engineering and Technology , Hyderabad.
7. Dr.Mohammed Hussain(1999), "Water Resources and Hydrological Problems in Krishna and Godavari Basins", One day Brain Storming session on Hydrological and Water Resource Problems in Godavari and Krishna Basins,sponsored by Indian National Committee on Hydrology, Roorkee and organised by Andhra Pradesh Engineering Research Laboratories (APERL), Hyderabad April 23, 1999.
8. Dr.Mohammed Hussain (1998),"Conjunctive Water Use Management in the Command Areas of irrigation Projects in Andhra Pradesh," Young Scientists Convention, organised by Andhra Pradesh Akademi of Sciences, Hyderabad 24<sup>th</sup> –25<sup>th</sup> July 1998.
9. Dr.Mohammed Hussain(1994), "A review of certain simulation models for effective on-farm water management in the waterlogged command areas of India", National Seminar on Waterlogging, Drainage and Salinity in Irrigation Commands at WALAMTARI, Hyderabad, December 28-29, 1994.
10. Dr.Mohammed Hussain(1994), "Management Information Systems (MIS) for drainage in the Irrigation Command Areas of India", National Seminar on Water logging, Drainage and Salinity in Irrigation Commands at WALAMTARI, Hyderabad, December 28-29, 1994.





11. Dr.Mohammed Hussain (1993), "Developing perceptual skills of Irrigation Scheme Managers in Conflict Resolution in Social and Psycho-biological Perspective", National Seminar on Human Resource Development in Irrigation Management at WALAMTARI, Hyderabad, September 3-4, 1993.(HRD topic)
12. Dr.Mohammed Hussain(1993), "Developing Delegation Skills of Irrigation Scheme Managers", National Seminar on Human Resource Development in Irrigation Management at WALAMTARI, Hyderabad, September 3-4, 1993. (HRD topic)
13. Dr.Mohammed Hussain(1993), "Design Operation Plan (DOP) as a basic management tool for operation of irrigation schemes – A case study of Thandava Medium Irrigation Project in Andhra Pradesh," Second National symposium on Irrigation Management at WALAMTARI, Hyderabad from December 17-18, 1993.



**Dr. G .V.K.S.V. Prasad, Professor (ID:1297)**

**Qualifications:** Ph.D (Civil Engineering) (NIT, Warangal, 2008), M.Tech (Environmental Sci. & Engg.) (IIT, Mumbai, 1989), B.E. (Civil Engineering) (Andhra Univ, 1987).

**Experience:** 26 years

**Research Interest:** Water Distribution system design optimization. Water and Wastewater treatment, solid waste management.

**Journal Publications/ Conference Proceedings:** 9

**Journal publications**

**International**

1. "Equity in Water Supply in Intermittent Water Distribution Networks" *Water and Environment Journal*, (ISSN:1747-6585), December 2013.

**Conference Proceedings**

**International**

1. "Reliability of Drinking water Distribution Systems" Paper presented at International Conference on Public Private Partnership in Water Sector organized by IWWA- Nagpur in November 2006.

2. "Assessment of Variations in Nodal demand Satisfaction of Water Distribution Networks." presented at **31<sup>st</sup> IAHR Congress held in September 2005 at Seoul, Korea.**
3. "Performance Evaluation of Water Distribution Systems Under Deficit Conditions" presented at **International Conference on Advanced Modeling Techniques for Sustainable Management of Water Resources**" Organised by NIT, Warangal during 28<sup>th</sup>-30<sup>th</sup> January 2004.

#### National

1. "Optimal Design of Water Distribution Network for Equity in Water supply" paper accepted for presentation at National Conference on Sustainable Water Resources Management and Impact of Climate Change- held at BITS Pilani Hyderabad campus March 5-6, 2010.
2. "Effect of metering on water Consumption – a case study" presented at the 32<sup>nd</sup> Annual convention of Indian Water Works Association held at Bhopal during 22-24<sup>th</sup> April 2002.
3. "Strategies for in-plant minimization of industrial pollution" presented at National Seminar on Environmental Conservation and Management held at GITAM, Visakhapatnam, during 7-8<sup>th</sup> March 1996.
4. "Upgrading existing biological treatment facilities using Powdered Activated Carbon" presented at National Seminar on Environmental Conservation and Management held at GITAM, Visakhapatnam, during 7-8<sup>th</sup> March 1996.
5. "Contact Stabilization process for industrial waste treatment – some applications" paper presented at National Seminar on Industrial Pollution Control held at IIT Mumbai during 8-9<sup>th</sup> June 1989.



#### **C. V. S. Narayana, Professor(ID:1287)**

**Qualifications:** Ph.D (Civil engineering from JNTU, Kakinada Pursuing) M.Tech (CSE)-BIT, Ranchi, 2000 with 75.5% M.Tech (WRE)- NIT, Warangal, 1985 with 74.4% B.Tech (Civil engineering)-NIT, Warangal, 1983 with 84.9%

**Teaching experience:** 30 years.

**Fields of Research interest:** Ground water hydrology  
Water resources engineering Environmental  
engineering GIS applications in water resources management

**Research experience:** As GOI scholar at NIT, Warangal for 3 years

**Memberships in technical associations :** Life member –ISTE  
Life member-IGS  
Life member-AIM

**Publications/ Conference proceedings: 1**

1. G Radhakrishnan, **C V S Narayana**, R Dayakar babu, D Venkateswarlu “ Behavior of model footings on reinforced soil system” (2010) Theme no T8 Innovative techniques in Geotechnical engineering , Indian Geotechnical conference 2010 Mumbai (16<sup>th</sup> -18<sup>th</sup> dec)



**V. Mallikarjuna Reddy**, Associate Professor (ID:807)

**Qualifications:** Ph.D (Civil Engineering from J.N.T.U Hyderabad (Pursuing)) M.Tech (Structural Engineering) (JNTU- Hyderabad, 2008),

**Experience:** 28 years

**Research Interest:** Concrete Technology.

**Journal Publications/ Conference Proceedings:** 05

**Journal publications (year wise descending order)**

**International publications:**

1. **V. Mallikarjuna Reddy**, Dr. M. V. Seshagiri Rao, P. Srilakshmi and E.Srinivas (2014), “Effect of w/c ratio on workability and mechanical properties of high strength Self Compacting Concrete with fly ash and Micro Silica as admixtures.(M70 grade)”, IOSR journal of Mechanical and Civil engineering(IOSR-JMCE), e-ISSN:2278-1684,p-ISSN:2320-334X, Volume11, issue 5 Ver.VI(Sep.-Oct.2014) PP 15-21.
2. **V. Mallikarjuna Reddy**, Dr. M. V. Seshagiri Rao, P. Srilakshmi and P. Sateesh Kumar ( 2013), “Effect of w/c ratio on workability and mechanical properties of high strength Self Compacting Concrete(M70 grade)” International Journal of Engineering Research and Development, e-ISSN: 2278-067X p-ISSN:2278-800X Volume 7 Issue-1 pp 06-13.

**Conference Proceedings (year wise descending order)**

**International Conferences:**



1. **V. Mallikarjuna Reddy** and Dr. M. V. Seshagiri Rao (2015), "Performance of High strength Self Compacting Concrete (M70 grade) exposed to elevated temperatures". UKIERI Concrete Congress at JALANDHAR NIT, Nov. 2 -5, 2015. (Paper accepted).
2. **V. Mallikarjuna Reddy** and Dr. M. V. Seshagiri Rao (2015), "Comparative study on the effect of Packing Factor on workability and mechanical properties of high strength Self Compacting Concrete (M70 grade) with different mineral admixtures", NASHIK, Maharashtra , July 2-4,2015.
3. **V. Mallikarjuna Reddy** and Dr. M. V. Seshagiri Rao (2014), "CHARACTERISTICS OF TRIPLE BLENDED HIGH STRENGTH SELF COMPACTING CONCRETE (M70 GRADE)", Two Day International Conference on "PROFESSIONAL ENGINEERS: CHALLENGES IN DISASTER MANAGEMENT(ICPECDM-2014)" 18–19 December, 2014 at GITAM ,VIZAG-AP.
4. **V. Mallikarjuna Reddy** and Dr. M. V. Seshagiri Rao (2014), "Comparative study on the effect of w/c ratio on workability and mechanical properties of high strength Self Compacting Concrete (M70 grade) with different mineral admixtures", NASHIK, Maharashtra. Paper is published in ELSEVIER. ISBN No:978-93-5107-222-5, Date:28-30 March 2014.
5. **V. Mallikarjuna Reddy**, N. Ramanjaneyulu and Dr. M. V. Seshagiri Rao (2014), "Effect of PACKING FACTOR on workability and mechanical properties of Self Compacting Concrete OF M70 grade with GGBS and Micro Silica as filler material", Proceedings of International conference on Emerging Trends in Civil Engineering, VNRVJIET, Hyderabad , ISBN: 978-7800-294-1(HB) Page No:192-198
6. **V. Mallikarjuna Reddy**, Dr. M. V. Seshagiri Rao, P. Srilakshmi and K. Venkateswarlu (2013), "Effect of PACKING FACTOR on workability and mechanical properties of Self Compacting Concrete of M70 grade with Fly Ash and Micro Silica as filler material", International Journal of Civil Engineering and Applications, JNU, NEW DELHI,ISSN:2249-426X Volume 3 Issue-5 Page No:73-80

#### **National Conferences:**

1. **V. Mallikarjuna Reddy** and Dr. M. V. Seshagiri Rao (2014), "CHARACTERISTICS OF TRIPLE BLENDED HIGH STRENGTH SELF COMPACTING CONCRETE (M70 GRADE)", Two Day National Conference on "RECENT RESEARCH ADVANCES IN CIVIL ENGINEERING (RRACE – 2014) 7 – 8 November, 2014 at OU Campus, Hyderabad.



**G.V.V.Satyanarayana**, Associate Professor (ID:842)

**Qualifications:** Ph.D (Civil Engineering from J.N.T.U Hyderabad (Pursuing) M.Tech ,(Structural Engineering) (JNTU- Hyderabad, 2008),

**Experience:** 26 years

**Research interest :** Concrete Technology.

**Journal Publications/Conference Proceedings :** 03 / 03

**Journal publications (year wise descending order)**

**International publications:**

1. **G V V Satyanarayana and Dr.N.R.Dakshina Murthy** (2013), "Behaviour of Blended Mortars under Acid Environment", The IUP Journal of Structural Engineering, Vol. VI, No.2, pp.26-37.

**National publications:**

1. **G V V Satyanarayana, Dr.N.R.Dakshina Murthy & Dr.M.V.Seshagiri Rao** (2015), " Studies on Response of Two way Blended Cement Concrete Slabs under Impact Load" Accepted by ICI journal for publication.
2. **G V V Satyanarayana, Dr.N.R.Dakshina Murthy & Dr.M.V.Seshagiri Rao** (2015), "Studies on Energy absorption capacity of Two way slabs with Blended Pozzolonic concretes subjected to Flexure" Accepted by ICI for publication.

**Conference Proceedings (year wise descending order)**

**International Conferences:**

1. **G V V Satyanarayana, Dr.N.R.Dakshina Murthy & Dr.M.V.Seshagiri Rao** (2014), "Sustainable Studies on Energy absorption Capacity of Two way Slabs with Blended Concretes" ICSCI 2014, IIT Hyderabad( ASCE India section), October 2014.

**National Conferences:**

1. **G.V.V. Satyanarayana, Dr.N.R.Dakshina Murthy and Dr.M.V.Seshagiri Rao** (2013), "Behaviour of Two-way slabs under flexure", National seminar on Health Monitoring of Reinforced concrete structures for sustainability (HMRCS), KITS, Warangal.
2. **G V V Satyanarayana, Dr.N.R.Dakshina Murthy & Dr.M.V.Seshagiri Rao** (2014), "Behavioural Studies on Two way Slabs with Blended Concretes Under Flexural Loads" RRACE-2014, Osmania University, Hyderabad.



**T. Srinivas (ID:1106) Associate Professor**

**Qualifications:** Ph.D in Civil Engineering from JNTU Hyderabad (Pursuing) M.Tech (Structural Engineering) from JNTU Hyderabad B.E (Civil Engineering) from CBIT, affiliated to OU Hyderabad.

**Experience :** 17 Years

**Research Interest :** Concrete technology, Special concrete, Structural analysis and design by using Civil Engineering Software applications.

**Journal Publications/Conference Proceedings:** 02

**Journal Publications:**

**International**

- 1 T. Srinivas and N.V.Ramana Rao (2015), "a Study on Flexural Behaviour of RCC Beams Containing High Volume Fly Ash" IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 12, Issue 4 Ver. II (Jul. - Aug. 2015), PP(in press)

**Conference Proceedings:**

**National**

- 1 T. Srinivas and N.V.Ramana Rao (2014), "Mechanical Properties and Cost Evaluation of Concrete with High Volume Fly Ash", National Conference On Recent Research Advances in Civil Engineering ,RRACE-2014, Osmania University Hyderabad, on 7 – 8 November, 2014, Proceeding pp: 366-370.



**Dr. V. Srinivasa Reddy, Associate Professor (ID:1117)**

**Qualifications:** Ph.D (Civil Engineering from J.N.T.U Hyderabad (2015) M.Tech (Structural Engineering from JNTU, Hyderabad (2002)) B.Tech (Civil Engineering from Acharya Nagarjuna University (1996))

**Experience:** Teaching Experience – 7 yrs Industry Experience-10 yrs

**Research interest:** Concrete technology, Special concretes, Rehabilitation and Retrofitting of structures, Civil Engineering Software applications.



**Subjects Taught (B.Tech and M.Tech):** Engineering Mechanics, Surveying, Construction Management, Strength of Materials, Structural Analysis, Concrete Technology, Rehabilitation and retrofitting of structures, Structural Stability Analysis, Shells and Folded Plates, Finite Element Methods, Theory of Elasticity & Plasticity and Structural Dynamics.

#### **Association with Professional Bodies**

- ◆ Life Member of Institute of Engineers (India) (MIE)M -146335-1
- ◆ Life Member of Indian Society for Technical Education (MISTE) LM 89941
- ◆ Life Member of Indian Concrete Institute (MICI) LM 10078
- ◆ Member of Universal Association of Civil, Structural And Environmental Engineers (UACSE) AM1005345
- ◆ Life member of American Concrete Institute (ACI) India Chapter (MACI)(LM.14.39)
- ◆ Institution of Engineers (India) - Chartered Engineer (C Eng)

**Journal Publications/Conference Proceedings:** 56

**Journal publications (year wise descending order)**

**Journals:**

#### ❖ **International:**

1. M V Seshagiri Rao, **V Srinivasa Reddy**, V Chinni, "Studies on Pore Structure Characterization of Bacterial Concrete", International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 11, November-2014, ISSN: 2278-0181, pp 564-570.
2. M V Seshagiri Rao, **V Srinivasa Reddy**, "Flexural Behavior Of Bacteria Incorporated Reinforced Concrete Beams", International Journal of Engineering Research And Management (IJERM), Volume-1, Issue-1, April 2014 pp 12-18.
3. **V Srinivasa Reddy**, M V Seshagiri Rao And C H Sasikala - " Bio-Inspired Solutions for Durable Concrete ", International Journal Of Earth Sciences And Engineering , Special Issue Of 3-Day International Conference on Emerging Trends in Civil Engineering (ICETE-2014), 6th–8th January, 2014 Organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, INDIA in Association with CAFET-INNOVA TECHNICAL SOCIETY, Hyderabad, INDIA, Scopus Journal Rating (SJR) 0.15 (2012); H-index: 2



(2012); CSIR-NISCAIR, INDIA Impact Factor 0.042 (2011), August 2014, Volume 07 No 04 , ISSN 0974-5904, P.P.575-581.

4. **V Srinivasa Reddy**, Jyothi Kunar K S, M V Seshagiri Rao, Ch sasikala (2013), "Studies on Permeability of Self-Healing Built-In Bacteria Concrete", International Journal of Recent Technology and Engineering (IJRTE), Volume-1, Issue-6, January 2013 119-125, ISSN: 2277-3878
5. Suvarna Latha P, M V Seshagiri Rao, **V Srinivasa Reddy** (2013), "Feasibility Studies On Granulated Blast Furnace Slag As Cement And Sand Replacement", Engineering Sciences International Research Journal.
6. **V Srinivasa Reddy**, Sreenivasa Rao D, M V Seshagiri Rao, Rahul K (2013), "Studies on Bacterial Concrete Exposed to Elevated Temperatures and Thermal Cycles", Engineering Science and Technology: An International Journal (ESTIJ), Vol. 3, No.1, 126-135, ISSN: 2250-3498
7. **V Srinivasa Reddy**, Sreenivasa Rao D, M V Seshagiri Rao, Ch sasikala (2013), "Permeation Properties of Bacterial Concrete", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) , March 2013 Issue ,08-16,ISSN: 2278-1864
8. Suvarna Latha K, M V Seshagiri Rao, **V Srinivasa Reddy** (2012). "Estimation of GGBS and HVFA Strength Efficiencies in Concrete with Age", International Journal of Engineering and Advanced Technology (IJEAT),Volume-2, Issue-2,221-225, ISSN: 2249 – 8958
9. **V Srinivasa Reddy**, Achytha Sathya K, M V Seshagiri Rao, Ch sasikala , (2012)."A biological approach to enhance strength and Durability in concrete structures", International Journal of Advances in Engineering & Technology, Vol. 4, Issue 2,392-399, ISSN: 2231-1963
10. **V Srinivasa Reddy**, Raja ratnam V, M V Seshagiri Rao, Ch sasikala (2013), Mathematical Model for Predicting Stress Strain Behaviour of Bacterial Concrete", International Journal of Engineering Research and Development, Volume 5, Issue 11, 21-29,e-ISSN: 2278-067X, p-ISSN: 2278-800X
11. **V Srinivasa Reddy**, S Sunil Pratap Reddy, M V Seshagiri Rao, Ch sasikala, (2011). "Strength Enhancement Of Cement Mortar Using Microorganisms - An Experimental Study", International Journal of Earth Sciences and Engineering, Volume 04, NO 06, Spl October 2011, 933-936 ,ISSN no: 0974-5904

❖ **National:**





1. M V Seshagiri Rao, **V Srinivasa Reddy**, P Lavanya Prabha , “Development And Applications Of Reactive Powder Concrete”, Tech Mantra – Technical magazine of The RAMCO Cements limited, Vol . II No.3 (2014), pp 06-15
2. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2013), “Bioengineered Concrete - A Sustainable Self-Healing Construction Material”, *Research Journal of Engineering Sciences*, Vol. 2(6), 45-51,ISSN 2278 – 9472
3. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2013), Quantification and Characterization of  $\text{CaCO}_3$  Precipitation by Bacillus Subtilis JC3 in Bacterial Concrete”, Indian Concrete Institute Journal, Oct-Dec 2013, 25-27
4. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2012), “The biological approach to enhance durability in concrete structures”, Journal of Biotechnology and Biomaterials, Volume 2 , Issue 6, ISSN: 2155-952X
5. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala, “ Performance of microbial concrete developed using Bacillus Subtilis JC3”, Journal of The Institution of Engineers (India)- Series A- IEI Springer (Under Review)
6. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala, “Accelerated Corrosion Induced Cracking Test on reinforced bacterial concrete”, The Indian Concrete Journal (ICJ) (Under Review)

#### Conference proceedings:

##### ❖ International:

1. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch Sasikala (2015), “Experimental Investigation on Pore Structure Characterization of Concrete incorporated with Bacillus subtilis JC3”, UKIERI Concrete Congress ,Concrete Research Driving Profit and Sustainability,2 - 5 November 2015,Jalandhar Punjab India. (Accepted)
2. **V Srinivasa Reddy**, M V Seshagiri Rao, S Sushma (2015), “Feasibility Study on Bacterial Concrete as an Innovative Self-Crack Healing System” , Proceeding of “International Conference on Recent Trends in Engineering and Technology” (ICRTET2015), 02- 04 July, 2015 at SNJBs Late Sau K.B.Jain College of Engineering, Chandwad423101, INDIA. Proceeding of McGraw Hill and Online Publication by Journal IJMTER.
3. M V Seshagiri Rao, **V Srinivasa Reddy**, Ch Sasikala, “Studies on characterization of  $\text{CaCO}_3$  precipitation in bacterial cement mortar”, International Conference on Sustainable Civil Infrastructure (ICSCI-2014), organized by American Society of Civil Engineers (ASCE) India Section and Department of Civil Engineering, IIT Hyderabad, October 17-18, 2014, pp 234-243.



4. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2014), "Modifying concrete properties through bacteriogenic mineral plugging", 3rd International Conference on "Recent Trends in Engineering & Technology, SNJB's Late Sau Kantabai Bhavarlalji Jain College of Engineering, 28th to 30th March, 2014 Published by Elsevier Science & Technology pp 858-862
5. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2014), "Bio-Inspired Solutions for Durable Concrete", International Conference on Emerging Trends in Civil Engineering ICETCE 2014), VNRVJIET, 6th -8th January 2014 Hyderabad , 158-167
6. **V Srinivasa Reddy**, A Ramu, M V Seshagiri Rao, Ch sasikala (2013), "Calcite crystals precipitation by Bacillus subtilis JC3 as a mechanism for strength improvement of cement mortar", 3rd International Science Congress, 8th - 9th December 2013 at Karunya University, Coimbatore
7. **V Srinivasa Reddy**, A Ramu, M V Seshagiri Rao, Ch sasikala (2013), "Studies on Stress-Strain Behaviour of Bacterial Concrete", The 2nd International Conference on Advancement in Engineering and Management - Royal Institute Of Technology & Science- ICAEM-2013 Feb 27th & 28th 2013
8. **V Srinivasa Reddy**, Jyothi Kumar KS, M V Seshagiri Rao, Ch sasikala (2013), "Assesment Of Chloride Ion Penetration Of Bacterial Concrete", The International Conference on Information & Engineering Sciences (ICIES-2013) February 14-15, 2013 Vijayawada, Andhra Pradesh
9. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2012), "The biological approach to enhance durability in concrete structures", 3rd World Congress on Biotechnology-OMICS Group-13-15 September 2012-Hyderabad, India, 145-156
10. **V Srinivasa Reddy**, S Sunil Pratap Reddy, M V Seshagiri Rao, Ch sasikala (2011), "Studies On Corrosion Resistance Of Bacterial Concrete (B. Subtilis)", International Conference on Advances In Materials And Techniques For Infrastructure Development AMTID 2011, NIT Calicut, 55
11. **V Srinivasa Reddy**, S Sunil Pratap Reddy, M V Seshagiri Rao, Ch sasikala (2011), "Strength Enhancement Of Cement Mortar Using Microorganisms - An Experimental Study", International Conference on Advances in Civil Engineering October 21 – 23, 2011 KLU Vijayawada, Andhra Pradesh, 933-936 , ISSN no: 0974-5904

❖ **National:**

1. M V Seshagiri Rao, **V Srinivasa Reddy**, " Bacterial Concrete – An innovative Self-Crack Healing System", Keynote Paper, Proceedings of the National



Conference on New Trends in Civil Engineering (NTCE-2014), G.V.P College of Engineering, Visakhapatnam, Andhra Pradesh, July 18-19 2014, pp. 1-13.

2. M V Seshagiri Rao, **V Srinivasa Reddy**, K Mounika, M Azmatunnisa, “ Bio-engineered Solution to enhance durability of construction materials: A Review”, Proceedings of the National Conference on New Trends in Civil Engineering (NTCE-2014), G.V.P College of Engineering, Visakhapatnam, Andhra Pradesh, July 18-19 2014, pp. 58-64.
3. M V Seshagiri Rao, **V Srinivasa Reddy**, Y Shireesha , M Azmatunnisa, “ Repair and Rehabilitation of Concrete Structures using Biological Approach”, Proceedings of the National Conference on New Trends in Civil Engineering (NTCE-2014), G.V.P College of Engineering, Visakhapatnam, Andhra Pradesh, July 18-19 2014, pp. 65-71.
4. **V Srinivasa Reddy**, Y Sai Santosh, “Post Fire Damage Assessment And Rehabilitation Of Fire Damaged Concrete Structures”, Proceedings of the National Conference on Emerging Trends in Science, Technology and Management (NCETSTM2K14), Malla Reddy Engineering College, Hyderabad, 08-09<sup>th</sup> August 2014, pp. 44-53.
5. M V Seshagiri Rao, **V Srinivasa Reddy** , K Mounika, “Bacterial Concrete: A Biomimetics based Sustainable Self-healing Biomaterial”, National Conference On Recent Research Advances In Civil Engineering , Osmania University Hyderabad, 7 – 8 November, 2014, pp 227-231.
6. **V Srinivasa Reddy**, M V Seshagiri Rao(2014), “ Microbial Concrete- A sustainable solution for concrete crack repair and Rehabilitation” at The Institute of Engineers India , Andhra pradesh state centre during 77th Annual General Meeting at the Institution of Engineers India (IEI) Hyderabad held on December 22 2014.
7. **V Srinivasa Reddy**, M V Seshagiri Rao, S Sushma -”Experimental Investigation on Pore Structure Characterization of Concrete Incorporated With *Bacillus Subtilis* JC3” - National Conference on Recent Trends in Civil Engineering during February 20-21, 2015 at GITAM University, Hyderabad
8. **V Srinivasa Reddy** , M V Seshagiri Rao, Ch sasikala (2014),” Bacteria Based High Performance Concrete”, National Conference on Advances in Civil Engineering and Infrastructure development (ACEID-2014), 6-7 February 2014, Vasavi College of Engineering, Hyderabad (Accepted)
9. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2013), “Strength And Chloride Ion Permeability Studies Of Bacterial Concrete”, National



Conference on Sustainable Construction Materials and Technologies (SCMAT) Mar 15-16, 2013 NIT Warangal.

10. **V Srinivasa Reddy**, A Rajeswer, M V Seshagiri Rao, Ch sasikala (2013), "Studies on the flexural behavior of Bacteria incorporated reinforced concrete beams", National Conference on Recent Advances in Structural Engineering (RASE-2013) 12-14 September 2013, Osmania University College of Engineering Hyderabad,302-308
11. **V Srinivasa Reddy**, A Ramu, M V Seshagiri Rao, Ch sasikala (2013),"Crack Self-Healing Concrete: A Promising Technology Of Future", National Conference on "Sustainability, Energy and Environment SEE-13" Chaitanya Bharathi Institute of Technology, 01-02 August 2013
12. **V Srinivasa Reddy**, M V Seshagiri Rao, Suvarna Latha K (2013), "Studies on the Use of Granulated Blast Furnace Slag as Substitute for Fine Aggregate in Concrete", 46th Engineers' Day, September 15 -The Institution of Engineers (India), A P State Centre Hyderabad,7-13
13. M V Seshagiri Rao, **V Srinivasa Reddy**, Swaroopa rani S (2013), "Development of Self Compacting Concrete Using Rice Husk Ash and Ground Granulated Blast Furnace Slag", 46th Engineers' Day, September 15 ,The Institution of Engineers (India), A P State Centre Hyderabad,14-25
14. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2013), "Microbial-Induced Calcite Precipitation: Its Potential Application In Enhancing Concrete Properties", National Conference on New Trends in Civil Engineering and Earth Sciences (NTCE-2013) 5-6 February 2013, Vasavi College of Engineering, Hyderabad
15. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2012), "Self-Healing Bacterial Concrete: A Review", National Conference on "Recent Trends in Structural Engineering", VNRVJIET, Hyderabad, 33-44
16. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2012), "SEM Observations of the Microstructure of Bacteria Modified Cement-Sand Mortar", National Conference In Advances In Civil Engineering (ACE 2012), Vasavi College Of Engineering Hyderabad
17. M V Seshagiri Rao, **V Srinivasa Reddy** (2012), "Studies on the Structural Applications of Reactive Powder Concrete: An ultra high performance concrete", National Level Symposium on "Emerging Technologies in Civil Engineering Applications",May 28-29<sup>th</sup> 2012, ACE Engineering College, Hyderabad.



18. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2012), "Studies on Durability of Bacterial Concrete", Proceedings of National Conference on Advances in Earth Sciences, Structural, Geotechnical and Earthquake Engineering(AESG2E-2012),04th -05th October 2012, CBIT Hyderabad,343-350
19. Swaroopa Rani S, M V Seshagiri Rao, **V Srinivasa Reddy** (2012), "Stress-Strain behaviour of SCC with and without GGBS", Proceedings of National Conference on Advances in Earth Sciences, Structural, Geotechnical and Earthquake Engineering (AESG2E-2012),04th -05th October 2012, CBIT Hyderabad,447-456
20. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2012), "Studies On Self - Healing Durable Concrete With Microorganisms", 75th Annual General Meeting at the Institution of Engineers India (IEI) Hyderabad
21. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2012), "Development of Microbial Based System For Sustainable Concrete: A Novel Method To Heal Cracks", National Seminar on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies", STEPS-2012, GRIET, Hyderabad, 19th December 2012
22. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala, Achytha Satya K (2012)," Development Of Bacteria-Based Self-Healing Concrete", National Conference on Recent Advances in Geo-Sciences, Engineering & Technology (NCRAGE) 20th & 21st December 2012, JNTU Kakinada
23. **V Srinivasa Reddy**, S Sunil Pratap Reddy, M V Seshagiri Rao, Ch sasikala (2011), "Crack Repair In Concrete Structures Using Microorganisms", Proceeding of National Conference on IPCWM2011, SRIT Coimbatore, ISBN 81-903838-4-1, 1.7-1.17
24. P Srinivasa Rao, P Sravana, **V Srinivasa Reddy** (2011), "Professional Ethics for Engineers", National Seminar on Human Values in Technical Education: an Approach for Holistic Development of Society (NSHVTE – 2011), October 8-9, 2011 Ujjain, MP.
25. P Sravana, P Srinivasa Rao , **V Srinivasa Reddy** (2011), "Current and Emerging Trends in Engineering Education", National Seminar on Human Values in Technical Education: an Approach for Holistic Development of Society (NSHVTE – 2011), Oct 8-9, 2011, Ujjain, MP.
26. **V Srinivasa Reddy**, M V Seshagiri Rao, Ch sasikala (2011), "Structural Applications of Reactive Powder Concrete", 74th Annual General Meeting at The Institution of Engineers India (IEI) Hyderabad

27. **V Srinivasa Reddy, P V Ravi Raman** (2011), "Structural Health Monitoring of Concrete using Non Destructive Tests", 1st National Conference on Technical Research Advances in Civil Engineering (TRACE – 2011) LDRP-ITR, Gandhinagar

#### Poster Presentations

1. "*The biological approach to enhance durability in concrete structures*" - 3<sup>rd</sup> World Congress on Biotechnology-OMICS Group-13-15 September 2012- Hyderabad, India.



#### **Dr. C Lavanya, Assistant Professor (ID:804)**

**Qualifications:** Ph.D (Civil Engineering from J.N.T.U Hyderabad (2015) M.Tech (Soil Mechanics and Foundation Engineering from J.N.T.U, Kakinada (2005)) B.Tech (Civil Engineering from J.N.T.U, Hyderabad (2002))

**Experience:** Teaching Experience – 06 yrs

Industry Experience- 02 yrs

**Research interest:** Expansive soils, Ground improvement techniques.

**Journal Publications/Conference Proceedings:** 09

**Journal publications (year wise descending order)**

**International publications:**

1. **Lavanya, C., Sreerama Rao, A. and Darga Kumar, N.** (2013), "Study on Coefficient of Permeability of Copper slag when admixed with Lime and Cement", International Organization of Scientific Research Journal of Mechanical and Civil Engineering, DOI:10.9790/1684-0761925, Vol. 7, Issue 6, pp. 19-25.
2. **Lavanya, C., Sreerama Rao, A. and Darga Kumar, N.** (2012), "Influence of Admixture on Shear parameters of Copper Slag", International Journal of Engineering Research and Technology, ESRSA Publications, Vol. 1, Issue 10, pp. 475 - 480.

**Conference Proceedings (year wise descending order)**

**International Conferences:**

3. **Lavanya, C., Srirama Rao, A. and Darga Kumar, N.** (2014), "Efficacy of copper slag cushion in arresting heave of an expansive soil", International

Conference on Recent trends in Engineering & Technology, ELSEVIER Journals, ISBN No: 978-93-5107-222-5, pp.658-662.

4. **Lavanya, C.** and Sreerama Rao, A. (2010), "Use of Fly ash in Black Cotton Soils Sub grades", International Conference on Developments in Road Transportation (DRT 2010), NIT, Rourkela, pp. 601 - 607.

**National conferences:**

5. **Lavanya, C.**, Srirama Rao, A. and Darga Kumar, N. (2014), "Comparison studies on influence of admixture on copper slag cushion laid over an expansive soil", Indian Geotechnical Conference (IGC 2014), Kakinada, pp.704-711.
6. **Lavanya, C.**, Sreerama Rao, A. and Darga Kumar, N. (2013), "Influence of admixtures on Load - Settlement behaviour of Copper Slag - Cushioned Expansive Soil Bed", Indian Geotechnical Conference (IGC 2013), Roorkee.
7. **Lavanya, C.**, Sreerama Rao, A. and Darga Kumar, N. (2012), "Influence of Admixture on Compaction Characteristics and CBR of Copper Slag, Indian Geotechnical Conference (IGC 2012), New Delhi, pp. 359 - 362.
8. **Lavanya, C.**, Sreerama Rao, A. and Darga Kumar, N. (2011), "A Review on Utilization of Copper slag for various Geotechnical Applications", Indian Geotechnical Conference (IGC 2011), Kochi, pp. 445 - 448.
9. Sreerama Rao, A, Dayakar Babu, R. **Lavanya, C.**, Himabindu G. (2006), "Swell - Shrink behaviour of stabilized fly ash cushions in expansive soils", Indian Geotechnical Conference (IGC 2006), Chennai, pp. 301-304.



**Shaik Fayazuddin, Assistant Professor (ID:1209)**

**Qualifications:** M.Tech (Geotechnical Engineering) (NIT Warangal, 2014) B.Tech (Civil Engineering) (GITAM University, Visakhapatnam, 2012)

**Experience :** 1 year

**Research Interest:** Earthquake Engineering, Reliability and its applications in Civil Engineering.

**Journal Publications/ Conference Proceedings:** 01

**Conference Proceedings**

**International Conferences:**

1. Shaik Fayazuddin, "Liquefaction Potential Assessment Based On SPT Using LiqIT Software" ,IGS Chennai 2015, 6<sup>th</sup> International Geotechnical Symposium on Disaster Mitigation in Special Geo-Environmental Conditions, Organized by IIT Madras, January 21-23,2015, Chennai, India.



**G. Karthik**, Assistant Professor(ID:1196)

**Qualifications:** M.Tech (Transportation Engineering) (NIT Nagpur, 2014) B.Tech (Civil Engineering) (V.R.Siddhartha college, Vijayawada, 2012)

**Experience:** 1 year

**Research Interest:** Intelligent transportation system, signal designing, Traffic management, recycled use of pavement materials.

**Journal Publications/ Conference Proceedings :** 01

**Conference Proceedings**

**International Conferences:**

1. G.Karthik, "Optimization of signal timings in Indian scenario", 11<sup>th</sup> Transportation planning and implementation methodologies for developing countries, Mumbai-2014, an International conference Organized by IIT Bombay, December 10-12, 2014, Mumbai, India.



**V. Naresh Kumar Varma**, Assistant Professor (ID:1359)

**Qualifications:** M.Tech (Structural Engineering) (JNTUH, 2014) B.Tech (Civil Engineering) (Osmania University, Hyderabad, 2012)

**Research Interest:** Seismic Analysis and Concrete related topics

**Journal Publications/ Conference Proceedings:** 01

**Journal Publications:**

1. V Naresh Kumar Varma, "Compressive Strength and Durability Studies on Concrete Using Sponge Iron Scrap Material as Coarse Aggregate Replacement " , International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308, Presented in the National Conference on "Recent Trends in Civil Engineering" , held during February 20-21, 2015 at GITAM University, Hyderabad.



# DEPARTMENT OF MECHANICAL ENGINEERING

## INTRODUCTION

Department of Mechanical engineering was established in the year 1997. It conducts UG and PG programmes, B.Tech in Mechanical Engineering and M.Tech in Design For Manufacturing and Thermal Engineering courses. The Department has several well-equipped laboratories namely CAD/CAM Lab, Mechatronics Lab, Production Technology and Workshop practice, Metal Forming research Lab, Material Sciences and Metallurgy Lab, IC Engines Lab, Fluid Mechanics and Hydraulic Machinery Lab, Heat Transfer Lab, Heat Pipes testing Lab, Strength of Materials Lab, Mechanical Measurements and Control systems Lab, Manufacturing Simulation Lab, Machine Tools and Metrology Lab. The Department has been accredited by NBA from 2006 to 2012. B.Tech students of the department of the 2005 to 2009 and 2006 to 2010 batches have won gold medals for securing the highest percentage of marks among all the colleges of JNTU-H. It motivate students to take up innovative projects through in-house R & D Projects. It promotes thorough knowledge for the students in theory and Practice. The Department conducts annual International Conference on Materials Processing and characterization Department of Mechanical Engineering has received R & D Projects from various National funding agencies like AICTE, DST, UGC and SERB.



## Doctorates in ME

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1.	Dr.Swadesh Kumar Singh	2007	90
2.	Dr.Jandhyala N Murthy	1984	10
3.	Dr.N.Sateesh	2010	25
4.	Dr R. karthikeyan	2012	10
5.	Dr.K.Satyanarayana	2013	10
6.	Dr. Ram Subbaiah	2013	56
7.	Dr S.Surendranath	2015	5
8.	Dr, L.Jayahari	2015	9
9.	Dr. J. Sudheer Reddy	2014	10

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. Swadesh Kumar Singh	Construction of qualitative warm working processing maps for Ass 304 material	SERB	14.00	2013-14
2.	B. Tanya	Exploring the alternative bio based adhesive for plywood manufacturing	UGC	2.00	2013-14
3.	Dr. Swadesh Kumar Singh	Formability Study of AUSTENITIC STAINLESS STEEL (316 GRADE) at Higher Temperatures and development of redrawing facility in warm conditions of high strength materials	AICTE	17.70	2013

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
4.	Dr. P S V Kurma Rao & B.Ch.Nookaraju	Thermal Hydraulics of Heat Pipe Heat Sinks for Electronics Cooling Application	AICTE	6.00	2012
5.	Dr. K.G.K. Murti	Test Rigs and Equipment for Construction of FLD's in Warm Forming	AICTE	9.50	2012
6.	Mr. D. Ramana Reddy	Study and development of asbestos free brake Friction lining with agro waste (Eco-friendly)	AICTE	9.00	2011
7.	Dr. Swadesh Kumar Singh	Study of Finite Element Simulation on the extent of Ironing of Low Carbon Steels under Warm Conditions	AICTE	17.67	2010
8.	Dr. Swadesh Kumar Singh	Characterization of Al in warm condition using FEM	AICTE	10.50	2009
9.	Dr. Swadesh Kumar Singh	Finite element simulation of warm forming of Interstitial free (IF) steel and study the effect of blank temperature on thickness distribution & drawability"	SERB	18.84	2008
10.	Dr. Swadesh Kumar Singh	"Study of Flow forming behaviour of deep drawn quality steel when it is drawn into a die by sensing temperature and stresses at different stages of drawing"	AICTE	6.88	2007



## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. Swadesh Kumar Singh	2nd International Conference on Materials Processing and Characterization	AICTE		08-09 March 2013
2.	Dr. Swadesh Kumar Singh	DST, CSIR "International Conference on Materials Processing and Characterization	AICTE, DST CSIR	10.50	08-12 March 2012
3.	Dr. Swadesh Kumar Singh	Characterization of materials and processing of high strength materials"	AICTE (FDP)	18.84	25 June to 06 July 2013



**Dr. Jandhyala N Murthy, Principal, GRIET**

**Qualification:** Ph.D in Combustion Cranfield Institute of Technology, UK, 1985 MS in Thermal Propulsion Cranfield Institute of Technology, UK, 1982, MSc in Defence Studies University of Madras, 1991, BTech in Mechanical IIT, Madras, 1970 – 1975.

**Experience:** 17 years teaching, 20 years Industry.

**Research Interest:** Thermal Propulsion, Computer Graphics, modeling, Aircraft Maintenance CFD, Turbomachines.

**Journal Publications/Conference Proceedings:** 6

**Journal Publication**

**Conferences Proceedings:**

**International conference**

1. “Computational Study of some of the implications for Gas Turbine Design Maintenance as a consequence of NOx generation” – 18<sup>th</sup> CIMAC Congress, Tinanjin, China, 1988.
2. “Study Of Rice Stna Biocomposite and a Comparative Study Of Flexural Strength of Various Bio Composite Ply wood Materials”-Swadesh kumar singh ,Jandhyala N Murthy, PAPN Varma, D.Sailaja, International Conference on Civil, Biological and Environmental Engineering BEE-2013,Bauskok,Thailand, ISBN978-93-82242-40-9.

**National conference**

1. “Combustor Design Programme” – DEFCAP-88, ADE, Bangalore.
2. “Approach for Reliability and Maintainability assurance of Kaveri Engine” Workshop on “MiG Engine Experience for Kaveri Project”, HAL Koraput, 1993.
3. “Reliability Data Generation” – EVIAMAT -94, New Delhi.
4. “Assessment Practices in Engineering” – A Review, 41<sup>st</sup> ISTE Annual National Convention December 2011, Fatehgarh Sahib, Punjab.



**B.Ch.Nookaraju** (ID-324) Associate Professor,  
Department of Mechanical Engineering.

**Qualifications:** Ph.D (Pursuing)- Heat Transfer (JNTU-Hyderabad), M.Tech – Thermal Engineering (NITC-Calicut, Kerala), B.E - Mechanical Engineering (Andhra University, Visakhapatnam)

**Experience:** 12 Years

**Research Interest:** Heat Transfer, Electronics Cooling, Heat Pipes

**RESEARCH PROJECT:**

Completed Sponsored AICTE Project “**Thermal Hydraulics Of Heat Pipe Heat Sinks For Electronics Cooling Application Under Research Promotion Scheme (RPS).**” Worth 2 Lakhs 2012-2014.(Co-investigator)

**Journal Publications:**

**International Publications:**

1. “Thermal Hydraulic analysis of Gravity Effectuated Sintered Heat Pipe” send to the International Journal of Thermal Engineering in March 2014 (under review)
2. B.Ch.Nookaraju, P S V Kurma Rao, Naga Sarada S, T Sai Kiran, “Experimental Investigations and comparison of Heat Pipes”, International Journal of Innovations in Engineering and Technology (IJJET), Volume 5 Issue 3 June 2015, ISSN: 2319 – 1058, pp 128-137.
3. B.Ch.Nookaraju, P S V Kurma Rao, Naga Sarada S, **Thermal Analysis of Gravity Effectuated Sintered Wick Heat Pipe**, Elsevier-Materials Today, 2015, (Accepted).
4. B.Ch.Nookaraju, R Vijay Kumar, P S V Kurma Rao, Naga Sarada S, **Experimental Study On Behaviour Of Sintered Copper Wick Heat Pipe At Different Orientations**”, International Journal of Innovative Research in Advanced Engineering (IJIRAE) ISSN: 2349-2163, Issue 5, Volume 2 (May 2015), pp:176-180.
5. B.Ch.Nookaraju, R Vijay Kumar, P S V Kurma Rao, Naga Sarada S, “**Turbulent Fluid flow and Heat transfer Analysis of Heated Rectangular blocks encountered in Electronic Enclosures**”, 23<sup>rd</sup> national heat and mass transfer conference and 1<sup>st</sup> international ISHMT-ASTFE heat and mass transfer conference. 17-20 December, 2015, Thiruvananthapuram, LPSE-ISRO, India

### National Publications:

1. "Analytical and Experimental Investigations on cooling of stacks of Electronic Printed Circuit Boards -A review", A National Conference in SVU, Tirupathi, August, 2004.
2. "Turbulence Cooling in Microelectronic Devices", International Conference in Indian Institute of Technology, Kanpur, 2005.
3. "Modeling of Electronic Circuit Boards for Low and High Reynolds Numbers", National Conference in CBIT Hyderabad, March, 2007.
4. "Turbulent heat and fluid flow analysis of array of heated blocks", National Level Technical symposium in SNIST Hyderabad, DEC 2008.
5. "Turbulent heat and fluid flow analysis of array of heated blocks in Electronic Enclosures", ASME International conference at IIT Kharagpur, Jan,2014.



### **Dr Swadesh Kumar Singh, Professor (ID-499)**

**Qualification:** UG, MECHANICAL (ALIGARH MUSLIM UNIVERSITY) B.TECH (1997), PG IIT DELHI, PRODUCTION ENGINEERING, M. TECH, DEC.(1998), PH. D, IIT DELHI, METAL FORMING, METAL FORMING, 2005.

**Experience:** 10+ years

**Research Interest:** Sheet Metal Forming, Finite Element in Metal Forming, Warm and Hydroforming, Wood based biocomposites, Nuclear materials

### Journal Publications/Conference Proceedings: 92

#### Books published:

1. A text book on Production Engineering Publisher: Made Easy Publications.
2. A text book on Reasoning and Aptitude Publisher: Cengage Publications.
3. A text book on Industrial Engineering Publisher: LNEC Publications.

#### International Journals:

1. Nitin Kotkunde, Aditya D. Deole, Amit Kumar Gupta and **Swadesh Kumar Singh**, "Comparative study of constitutive modeling for Ti-6Al-4V alloy at low strain rates and elevated temperatures" Materials and Design, 55, 2014, pp 999-1005.



2. Nitin Kotkunde, **Swadesh Kumar Singh** and Amit Kumar Gupts, “Microstructure Study and Constitutive Modeling of Ti-6Al-4V Alloy at Elevated Temperatures” *Materials and Design*, 54, 2014, pp 96–103.
3. Syed Mujahed Hussaini, **Swadesh Kumar Singh** and Amit Kumar Gupta, “Experimental and Numerical Investigation of Formability for Austenitic Stainless Steel 316 at Elevated Temperatures” *Journal of Materials Research and Technology*” Volume 3, Issue 1, January–March 2014, Pages 17-24.
4. **Swadesh Kumar Singh**, Vinay Kumar, Prudvi Reddy P and A K Gupta, “Finite Element Simulation of Ironing process under warm conditions” *Journal of Materials Research and Technology*” Volume 3, Issue 1, January–March 2014, Pages 71-78
5. Nitin Mutil, JS Ravichandra, Graham ThorpeaStephan Bigger and **Swadesh Kumar Singh**, “Comparative Study of bond strength of Formaldehyde and Soya based adhesive in wood fibre plywood” *Procedia Material Science* (to appear).
6. Lade Jayahari, B Balu Naik and **Swadesh Kumar Singh**, “Effect of process parameters and metallographic studies of ASS-304 Stainless Steel at various temperatures under warm deep drawing” *Procedia Material Science* (to appear).
7. R.Ramangoud, K. Eshwar prasad and **Swadesh Kumar Singh**, “Construction of formability limit diagrams for EDD steel at elevated temperatures” *Procedia Material Science* (to appear).
8. Hussaini SM, Gupta AK, **Singh SK**, “ Investigation of Material Model for Simulations of Deep Drawing in Dynamic Strain Aging Region” *Procedia Material Science* (to appear).
9. Lade Jayahari, PV Sasidhar, P Prudvi Reddy, B. Balu Naik, AK Gupta and **Swadesh Kumar Singh**, “ Formability studies of ASS 304 and Aluminum and evaluation of friction in deep drawing setup at elevated temperatures using LS-DYNA” *Journal of King Saud University - Engineering Sciences*, Elsevier Vol. 26, Issue 1, 2014, pp 21-31
10. Syed Mujahed Hussaini, **Swadesh Kumar Singh**, Amit Kumar Gupta, “ Formability and fracture studies of austenitic stainless steel 316 at different temperatures” *Journal of King Saud University - Engineering Sciences*, Elsevier, to appear.
11. **Swadesh Kumar Singh**, L. Jaya Hari, B Balu Naik and Amit Kumar Gupta, “ Some Metallurgical studies of Austenitic Stainless Steel-304 under warm





deep drawing” To appear in Journal of Iron and Steel Research, International.

12. **Swadesh Kumar Singh**, Desu Raghuram and A K Gupta, “ A comparison of deep drawn components quality in Warm and Hydro mechanical deep drawing for low Carbon Steel” Under minor revision at International Journal of Advanced Manufacturing Technology.
13. Syed Mujahed Hussaini, **Swadesh Kumar Singh** and Amit Kumar Gupta, “Formability of Austenitic Stainless Steel 316 sheet in Dynamic Strain Regime” Acta Metallurgica Slovaca, Vol. 20, 2014, No. 1, p. 71-81.
14. **Swadesh Kumar Singh** and Amit Kumar Gupta, “ Comparison of Ironing in warm and Hydromechanical deep drawing of low Carbon steel” Material Science Forum, Vol. 773-774, 2013, 203-210.
15. SM Hussaini, S K. Singh, A K Gupta, “Experimental investigation of Dynamic strain aging regime in Austenitic Stainless Steel 316” International Journal of Engineering Research & Technology, Vol. 2 Issue 8,2013, pp 1691-1694.
16. Amit Kumar Gupta, Hansoge Nitin Krishnamurthy, Yashjeet Singh, Kaushik Manga Prasad and **Swadesh Kumar Singh**, “Development of Constitutive Models for Dynamic Strain Aging Regime in Austenitic Stainless Steel 304” Materials & Design, Volume 45, March 2013, Pages 616-627
17. Nitin Kotkunde, Nitin Krishnamurthy, A. K. Gupta, **S. K. Singh**, “ Development of Modified Arrhenius Model for Ti-6Al-4v Alloy to Predict the Flow Stress” International Journal of Advanced Materials Manufacturing and Characterization for Vol 3, Issue 1, 2013, pp 83-87. (Doi: <http://dx.doi.org/10.11127/ijammc.2013.02.015>)
18. Nitin Krishnamurthy, Yashjeet Singh, A K Gupta, **S K Singh**, “ Prediction of Deformation Behavior of Austenitic Stainless Steel 304 in Dynamic Strain Aging Regime” International Journal of Advanced Materials Manufacturing and Characterization for Vol 3, Issue 1, 2013, pp 143-147. (Doi: <http://dx.doi.org/10.11127/ijammc.2013.02.025>)
19. Amit Kumar Gupta, V.K. Anirudh, **Swadesh Kumar Singh**, “Constitutive models to predict flow stress in Austenitic Stainless Steel 316 at elevated temperatures” Materials and Design 43 (2013) 410-418.
20. Swadesh Kumar Singh, PV Sasidhar, P Prudvi Reddy, Vinay Kumar, MS Hallika and AK Gupta, “ Study of Formability and Friction in Warm Forming of Aluminum IS 737 Alloy” International Journal of Advanced Materials Manufacturing and Characterization for Vol 1, Issue 2, 2012, pp209-216.



21. K. Rakesh Varma, PAPAN Varma, KGK Murti, AVS Raju and **Swadesh Kumar Singh**, "Mathematical modelling and experimental validation of excessive ironing of EDD steel in deep drawing setup in Warm conditions" International Journal of Advanced Material Manufacturing and Characterization, Vol. 1, No 1, 2012, pp 165-172.
22. Amit Kumar Gupta, **Swadesh Kumar Singh**, M. Swathi and H. Gokul, "Prediction of Flow Stress in Dynamic Strain Ageing Regime of Austenitic Stainless Steel 316 using Artificial Neural Network" Materials and Design 35 (2012) 589–595.
23. Daredddy Ramana Reddy, **Swadesh Kumar Singh**, B.Balunaik(2011), "Development of bio-degradable friction material for brake pads from Palm Kernel Shell" International Journal of Mechanical Engineering and Materials Sciences Vol. 4, Number 1, pp 1–6.
24. **Swadesh Kumar Singh**, Amit Kumar Gupta and K. Mahesh(2010), "A study on the extent of ironing of EDD steel at elevated temperature" CIRP Journal of manufacturing Science and Technology Vol. 3, Issue 1, pp 73–79.
25. **Swadesh Kumar Singh** and Amit Kumar Gupta (2010), "Application of Support Vector Regression in Predicting Thickness Strains in Hydro-Mechanical Deep Drawing and Comparison with ANN and FEM" CIRP Journal of manufacturing Science and Technology Vol. 3, Issue 1, pp 66-72.
26. **Swadesh Kumar Singh**, M. Swathi, Apurv Kumar and K. Mahesh (2010), "Understanding formability of EDD steel at elevated temperatures using finite element simulation" Materials and Design Vol. 31, pp 4478–4484.
27. **Swadesh Kumar Singh**, Amit Kumar Gupta and K. Mahesh(2010), "Prediction of mechanical properties of extra deep drawn steel in blue brittle region using Artificial Neural Network" Materials and Design, Vol. 31, pp 2288-2295. (Elsevier, Impact factor 1.107).
28. **Swadesh Kumar Singh** (2010), "Development of ANN Model And Study The Effect of Temperature on Strain Ratio and Sensitivity Index of EDD Steel" International Journal of Material Forming, Vol 3, pp 256 - 266.
29. Apurv kumar, P. Viswanath, K Mahesh, M. Swati, P M V inay Kumar, A Abhijit, **Swadesh Kumar Singh** (2010), "Prediction of Spring back in V – Bending and Design of Dies Using Finite Element Simulation" International Journal of Materials and Product Technology, Vol. 39, Nos. 3/4, 2010
30. **Swadesh Kumar Singh** and D. Ravi Kumar (2009), "Tooling Design and Development of set up for Hydro-mechanical Deep Drawing" International Journal of Manufacturing Technology and Management, Vol. 18, No. 3 pp 245-261.



31. **Swadesh Kumar Singh** and D. Ravi Kumar (2008), "Effect of Process Parameters on Product Surface Finish and Thickness Variation in Hydro-mechanical Deep Drawing" *Journal of Materials Processing Technology* Volume 204, Issues 1-3 pp 169-178.
32. **Swadesh Kumar Singh**, Amrit Dixit and D. Ravi Kumar (2008), "Optimization of the Design Parameters of Modified Die in Hydro-mechanical Deep Drawing using LS-DYNA" *International Journal of Advanced Manufacturing Technology* vol. 38, no. 1 pp 32-37.
33. **Swadesh Kumar Singh**, G. Partheepan, R. K. Pandey and D. K. Sehgal (2007), "Numerical investigations of constitutive tensile behavior of materials and wrinkling of cold-rolled aluminum sheet when deep drawn through a Tractrix die" *International Journal of Computer Applications in Technology*, Vol. 28, No. 1 pp 27-33.
34. **Swadesh Kumar Singh** and D. Ravi Kumar (2005), "Application of Neural Network to Predict Thickness Strains and Finite Element Simulation of Hydro-mechanical Deep Drawing" *International Journal of Advanced Manufacturing Technology*, Vol. 25, No. 1-2 pp 101-107.
35. **Swadesh Kumar Singh** and D. Ravi Kumar (2004), "A Comparison of Different Neural Network Training Algorithms for Hydro-mechanical Deep Drawing" *International Journal of Materials and Product Technology*, Vol. 21, No.1/2/3 pp 186-199.
36. **Swadesh Kumar Singh** and D. Ravi Kumar (2004), "Numerical Prediction of the Limiting Draw Ratio and Thickness Strains for EDD Steel Sheet in Hydro-mechanical Deep Drawing" *International Journal of Materials and Product Technology* , Vol. 21, No. 1/2/3 pp 106-123.

#### National Journals:

1. Jaya Hari Lade, B Balu Naik and **Swadesh Kumar Singh**, "Some aspects of Formability of ASS 304 under warm conditions" *Journal of Manufacturing Engineering*, accepted for publication.
2. **Swadesh Kumar Singh** and D. Ravi Kumar (2004), "Development and Design Considerations in Hydro-mechanical Deep Drawing" *Journal of Manufacturing Technology Today*, Vol. 3, No. 3 pp15-22.
3. **Swadesh Kumar Singh** and D. Ravi Kumar (2003), "Improvement in Drawability by Hydraulic Counter-pressure Deep Drawing" *Journal of Manufacturing Technology Today*, Vol. 2, No. 6 pp 6-10.

#### International conferences:



1. Nitin Kotkunde, Aditya D. Deole, A.K Gupta and S.K Singh, “ Effect of Process Parameters on Deep Drawing of Ti-6Al-4V Alloy Using Finite Element analysis” Accepted for publication in NUMISHEET-2014, Jan 6-10, Deakin University, Melbourne, Australia, AIP Proceedings, pp1065-1068.
2. Jayahari Lade, Amit Kumar Gupta, Balu Naik Banoth and Swadesh Kumar Singh, “Formability analysis of Austenitic stainless steel-304 under warm conditions” accepted for publication in NUMISHEET-2014, Jan 6-10, Deakin University, Melbourne, Australia, AIP Proceedings, pp 402-405.
3. KSajun Prasad, Raghuram Karthik Desu, Jayahari Lade, Swadesh Kumar Singh and Amit Kumar Gupta, “ Finite Element Modeling and Prediction of Thickness Strains of Deep Drawing using an ANN for ASS304” accepted for publication in NUMISHEET-2014, Jan 6-10, Deakin University, Melbourne, Australia, AIP Proceedings, pp 378-381.
4. Nitin Kotkunde, Aditya B, Amit Kumar Gupta, Swadesh Kumar Singh, “ Flow stress Prediction of Ti-6Al-4V alloy at elevated temperature using artificial neural network”, International Symposium on Engineering and Technology 2014, Pune.
5. Swadesh Kumar Singh, Jandhyala N Murthy, PAPN Varma and D Sailaja, “ Study of Rice Straw Biocomposite and a Comparative Study of Flexural Strength of Various Biocomposite Plywood Materials” International Conference on Civil, Biological and Environmental Engineering, Nov. 21-22, 2013 Bangkok (Thailand) pp 37-40
6. NitinKotkunde, Aditya, D. Deole, A.K Gupta and S.K Singh, “Development of Constitutive models for Ti-6Al-4V alloy over wide ranges of low strain rates and temperatures” Accepted for publication in 8<sup>th</sup> International conference on Precision. Meso, Micro and Nano Engineering, NIT Calicut, India Dec 13-15, 2013.
7. NitinKotkunde, Aditya, D. Deole, A.K Gupta and S.K Singh, “Comparative study on modified Johnson Cook and Fields-Backofen constitutive models to predict flow behavior of Ti-6Al-4V alloy sheet at elevated temperatuire” International conference on Computer Aided Engineering, IIT Chennai, Madras, Dec 19-21, 2013.



8. Lade Jayahari, B.BaluNaik, Swadesh Kumar Singh, "Simulation and experimental investigation of ASS 304 at various temperatures in warm deep drawing forming Process", 2013 International Conference on Smart Systems (ICSS-2013), 07 – 08 October, 2013, Hyderabad, INDIA.
9. Hansoge, N.K., Singh, Y., Gupta, A.K. and **Singh, S.K.** (2013), "Flow stress prediction of austenitic stainless steel 304 in dynamic strain aging regime using Arrhenius type equation", International Conference on Advances in Materials Processing and Characterization (AMPC), Chennai, February 6-8, 2013, pp. 651-659.
10. Kotkunde, N., Gupta, A.K., Hansoge, N.K., Puranik, P. and **Singh, S.K.** (2013), "Study of flow stress analysis for Ti-6Al-4V alloy using modified Zerilli-Armstrong model", International Conference on Advances in Materials Processing and Characterization (AMPC), Chennai, February 6-8, 2013, pp 933-939.
11. **Swadesh Kumar Singh**, M L Kranthi Raj, B Bandhavi<sup>1</sup> and AK Gupta, "Characterization and formability of commercially pure titanium at elevated temperature using finite element method" 4<sup>th</sup> International and 25<sup>th</sup> AIMTDR, Jadavpur Univesity, Kolkata India, 2012, pp 168-173.
12. Jaya Hari, Balu Naik and **Swadesh Kumar Singh**, "Study of Formability and Thickness Distribution in Warm Forming of ASS 304" 4<sup>th</sup> International and 25<sup>th</sup> AIMTDR, Jadavpur University, Kolkata, India, 2012, India.
13. S.M. Hussaini, A.K. Gupta and **S.K. Singh**, "Determination of the Limiting Drawing Ratio in Deep Drawing Process at Different Temperatures for Austenitic Stainless steel" 4<sup>th</sup> International and 25<sup>th</sup> AIMTDR, Jadavpur University, Kolkata India pp 64-67.
14. Singh, Y., Hansoge, N.K., Gupta, A.K. and **Singh, S.K.** (2012), "A comparative study of constitutive models to predict flow stress behaviour in dynamic strain aging regime of austenitic stainless steel 316", 2nd International Conference on Materials Science, Metal & Manufacturing (M3 2012), Singapore, November 19-20, 2012, pp 98-106.



15. **Swadesh Kumar Singh**, Venkata Sasidhar, Vinay Kumar, Prudvi Reddy, and Amit Kumar Gupta, "Comparison of warm and hydromechanical deep drawing when low Carbon steel is subjected to ironing" 15th International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, 2012, Wollongong, NSW Australia.
16. Dareddy Ramana Reddy, Banoth Balunaik, **Swadesh Kumar Singh**, "Development Of A Composite Mate-Rial From Agro Waste For Wear Re-Sistance Application" 15th International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, 2012, Wollongong, NSW Australia.
17. Lade Jayahari, B.BaluNaik, A. K. Gupta and **Swadesh Kumar Singh**, "Study of micro hardness of Deep Drawn cups for Austenitic stainless steel-304 under warm conditions" 11<sup>th</sup> International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.
18. Kotkunde, N., Gupta, A.K., Hansoge, N.K., Puranik, P. and **Singh, S.K.** (2012), "Flow stress prediction of Ti-6Al-4V using modified Johnson Cook model", 3rd Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS), Delhi, December 5-8, 2012, pp 709-802.
19. Sharat Chandra G, Raghuram K, Amit Kumar Gupta and **Swadesh Kumar Singh**, "Predicting of flow stress in Dynamic Strain Aging Regime of ASS 304 using support vector regression" 11<sup>th</sup> International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.
20. P.Venkata Sasidhar, K Limbadri, P Prudvi Reddy, Vinay Kumar and **Swadesh Kumar Singh**, " Study of friction in warm forming of aluminum is 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp31-36.
21. L. Swetha, D. Keerthi, K., Sai Rajeshwari and **Swadesh Kumar Singh**, "Thickness Distribution in Austenitic Stainless Steel 316 & 304 Drawn Cups" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp 43-47.



22. A.V. Siddhartha Gautham, A.Srikanth, Md.Aqheel, J.N.Murthy and **Swadesh Kumar Singh**, “ Load displacement studies of stainless steel 316 cups drawn at various temperatures” International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp 106-112.
23. P.M.S.Hallika, Kameshwari N, M.Pavani and **Swadesh Kumar Singh**, “Study of thickness and stress distribution in warm forming of aluminum IS 737 alloy using LS-DYNA” International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp118-123.
24. **Swadesh Kumar Singh**, Ramana Reddy and Amit Kumar Gupta, “ Comparison on Load and Formability of Low Carbon Steel in Warm and Hydromechanical Deep Drawing” International Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Dec 12-13, 2011.
25. Ramana Reddy, Balu Naik and **Swadesh Kumar Singh**, “ Ingredients Composition Formulations and Development of a New Metal Matrix Composite for Friction Lining Applications Using MINITAB16” International Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Dec 12-13, 2011.
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27. L. Jayahari, Ramana Gaud, AK Gupta and **Swadesh Kumar Singh**, “Experimental and Design consideration of Stretching of EDD steel sheet at elevated temperatures” International Conference on Advances in Materials and Materials Processing, IIT Kharagpur India, Dec 9-11, 2011 pp 202.
28. Dareddy Ramana Reddy, Banoth BaluNaik, **Swadesh Kumar Singh**, “Comparative evaluation of surface finish (Ra) for Al-SiCP Metal Matrix Composite machining with diamond grinding wheel using multiple regression analysis and ANN (MATLAB)”, Fifth International Conference on Advances in Mechanical Engineering (ICAME-2011), June 06-08, 2011, S.V. National Institute of Technology, Surat, INDIA
29. **Swadesh Kumar Singh**, M. Swathi, Ramjee and Amit Kumar Gupta (2010), “Experimental Investigations and Thermal Analysis of



Formability of EDD Steels in Warm Forming (up to 450° C)" 3<sup>rd</sup> International and 24<sup>th</sup> AIMTDR, December 13-15, College of Engineering AU, Vishakapatnam, India.

30. **Swadesh Kumar Singh**, M L Kranti Raj, SM Hussaini and Amit Kumar Gupta (2010), "Characterization and formability of aluminum IS 737 40800 grade material at elevated temperature" 2nd International Conference on Production and Industrial Engineering CPIE-2010, December 3-5, NIT Jalandhar, India.
31. **Swadesh Kumar Singh** and Amit Kumar Gupta (2010), "Comparison of yield criteria for warm forming of EDD steel using FEM" International conference on computing ICC-2010, New Delhi, December 27-28, India.
32. **Swadesh Kumar Singh** PAPN Varma, K. Mahesh, Vomsli Krishna, M. Harshal, Azharuddin, D. Ramesh and Srikes( 2009), "Evaluation of friction at 200° C and experimental study on the extent of deformation in flow forming of EDD steel using deep drawing setup" International conference of The journal La Metallurgia Italiana on hot foreming of steels and material properties Grado, Italy, 13-16 september.
33. Rahul.Shashikant.Sanghvi, M.Azharuddin, Sai Kiran.J.G and K.Srikes, K. Mahesh, Amit Kumar Gupta and **Swadesh Kumar Singh** (2009), "Study the Effect of Temperature on Material Properties of EDD Steel Using Artificial Neural Network (ANN)" International Conference on Advances in Mechanical Engineering, August 3-5, S.V. National Institute of Technology, Surat – 395 007, Gujarat, India, pp 1069-1072.
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35. **Swadesh Kumar Singh**, Amit Kumar Gupta, Apurv Kumar And P. Viswanath (2008), "Application of Support Vector Regression (SVR) in Predicting Spring back in V Bending" 2<sup>nd</sup> International and 23<sup>th</sup> AIMTDR, IIT Chennai Dec. 15-16 pp 105-109.





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37. **Swadesh Kumar Singh** and B. L. Juneja (2003), "Orientation on an inclined plane" 2<sup>nd</sup> International conference on CAD/CAM Robotics, August, IIT Delhi, India.
38. **Swadesh Kumar Singh** and D. Ravi Kumar (2003), "Experimental and Theoretical Investigations on Hydraulic Counter Pressure Deep Drawing of EDD steel sheets" Proceedings of Asia Steel International Conference, Jamshedpur, India, Apr. 9-12.
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2. Apurv kumar, P. Viswanath, K Mahesh, M. Swati, P M Vinay Kumar, A Abhijit, **Swadesh Kumar Singh** (2009), "Design of Dies in V – Bending Using Finite Element Simulation" National conference on emerging trends in Mechanical Engineering, SNIST, Hyderabad, AP, June 18-19 India pp 72-78.
3. **Swadesh Kumar Singh**, K. Mahesh and K. Suresh (2009), "A note on design considerations in flow forming using deep drawing setup" National conference on emerging trends in Mechanical Engineering, SNIST, Hyderabad, AP, June 18-19 India pp 1-6.
4. **Swadesh Kumar Singh** and K. Mahesh (2009), "Evaluation of Friction in Deep Drawing Under Warm Conditions" National Conference on Recent Advances in Manufacturing Technology, Shastra, TN, March 14-15 pp 199-205.
5. **Swadesh Kumar Singh** and Amit Kumar Gupta (2009), "Neural Network and Support Vector Regression Modeling of Turning Operation" National Conference on Recent Advances in Manufacturing Technology, Shastra, TN, March 14-15 pp 132-140.
6. **Swadesh Kumar Singh** and D. Ravi Kumar (2007), "Hydro-Mechanical Deep Drawing of Interstitial-Free Steel Sheets" NATIONAL CONFERENCE ON SHEET METAL FORMING, SMF 'December 12-13, 2007 Hotel Le Meridien, Pune, India

7. **Swadesh Kumar Singh** and D. Ravi Kumar (2004), “Effect of process parameters on draw ability in hydro-mechanical deep drawing” 21<sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR) December India.
8. **Swadesh Kumar Singh** and D. Ravi Kumar (2002), “Experimental Investigation on Hydraulic Counter Pressure Deep Drawing” Proceedings of 20<sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR), BIT Ranchi, India, Dec. 13-15 pp 449-454.



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**Journal Publications/Conference Proceedings:** 25

#### PAPERS PUBLISHED

##### I. INTERNATIONAL JOURNALS:

1. **N. Sateesh** and C.S.P. Rao, Design Optimization and Manufacturing of Plate-Cams using NURBS, International Journal for Manufacturing Science and Technology (IJMST), Publisher: Advance Manufacturing Solutions Co Ltd., Toledo Ohio USA, 2005, Vol. 8, No.1,pp. 45-58.(Impact factor:1.3210)
2. **Sateesh, N.**, Rao, C.S.P. and Janardhan Reddy, T.A., Optimization of Cam-Follower Motions using B-Splines, International Journal for Computer Integrated Manufacturing (IJCIM), Publisher: Taylor & Francis, England, June 2009,Vol.22 No.6, PP. 515-523.(Impact factor: 1.019)
3. S. Dheeraj, **N. Sateesh**, A.L. Choudhary and U.D. Joshi, Application of Porous Material (Zeolite y) In Water Treatment, International Journal of Materials Science (IJoMS), Publisher: Research India Publications, 2010, Vol.5 No.6, PP. 839-846.
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6. **N.Sateesh**, Robotics in clothes manufacture, *International Journal of Mechanical Engineering and Applications (IJMEA)*, Publisher: Science Publishing Group, 2013 1(1), PP.17-27.
7. **N.Sateesh**, Automatic pre-mesh CAD data repairing, *International Journal of Mechanical Engineering and Applications (IJMEA)*, Publisher: Science Publishing Group, 2013 1(1), PP.1-9.
8. **N.Sateesh**, Improvement in Motion Characteristics of Cam-Follower Systems Using NURBS, *International Journal on Design and Manufacturing Technologies*, Chennai, India July, 2014, Vol8, Issue 2. (ISSN No. 0973-9106), pp.15-21

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1. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy, Optimization of Cam-Follower Motion using B-spline Polynomials, 17<sup>th</sup> International Conference on Flexible Automation and Intelligent Manufacturing (FAIM-2007), , Philadelphia, U.S.A, June 18-20, 2007, Vol. 1, pp. 205-210.
2. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy, Synthesis of Cam-Follower Velocity Profile using B-spline, International Conference on Advanced Design and Manufacturing (ICADM-2007), Sethu Institute of Technology, Tamilnadu, India, 9-11, August 2007, pp. 398-402.
3. **N. Sateesh**, C.S.P. Rao, T.A. Janardhan Reddy, and A Padmarao, Optimization of Plate Cam Size, International Conference on Fascinating Advancement in Mechanical Engineering (FAME-2008), Mepco Schelenk Engineering College, Sivakasi, Tamilnadu, India, 11-13, December, 2008, pp.381-386.
4. **N.Sateesh**, C.S.P. Rao, K.Prashanth Reddy, and R.Raman Goud, Design of Cam-Follower Mechanisms Using Rational B-Splines, International Conference on Advanced Materials and Manufacturing Technologies (AMMT), JNTUH, Hyderabad, India, 18-20, December, 2014, pp. 184-192.
5. Pudiri Madhu, **N.Sateesh**, Neela Praveen, and Karampuri Satish, Modeling and Simulation of Fins for 150cc Engine, 1<sup>st</sup> International Conference on Advances in Engineering, SITICAiE-2015, S. P. B. Patel Engineering College and Saffrony Institute of Technology, Ahmedabad, India, 22-23, January 2015, pp.24-28.
6. **N.Sateesh**, P.Sampath Rao, D.V.Ravishanker, and K. Satyanarayana, Effect of Moisture on GFRP Composite Materials, 4th International Conference



on Materials Processing and Characterization (IJMPC-2015), Gokaraju Ragaraju Institute of Engineering and Technology, Hyderabad, India, 14-15 March 2015,-Accepted

7. M. Ashok Kumar, A.M.K. Prasad, D.V. Ravishankar, **N. Sateesh**, and D. Ravi, Effect of indenter displacement on angle plied composite plates subjected to quasi-static loading, 4th International Conference on Materials Processing and Characterization (IJMPC-2015), Gokaraju Ragaraju Institute of Engineering and Technology, Hyderabad, India, 14-15 March 2015, -Accepted.
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1. D.V. Ravishanker, Dr. P. Ram Reddy, M.A.S. Srinivasulu, C. Karthik, and **N. Sateesh**, Achieving safety and weight reduction in automobiles with application of composite materials(An experiment on leaf spring) National seminar on Mordern Trends in Automobile (NSMTA-2002), in Rajarambapu Institute of Technology, Rajaramnagar, Sakharale, Dist: Sangli (MS), India, 1-2 August, 2002, pp.162-165.
2. **N.Sateesh**, Development of an integrated system for cam profile generation and manufacturing using SLS process, IV National conference on Trends in Mechanical Engineering (TIME'2010) held on 30th December 2010, P34-39.
3. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy ,Design of Cam-Follower Motions using Bezier Polynomials, National Conference on Factory Automation Robotics and Soft Computing (FARSC-2007), National Institute of Technology, Warangal, India, 18-19 January, 2007, pp.333-336.
4. **N.Sateesh**, Design, Fabrication and Analysis of Catalytic Converter, National Conference on State of the Art Technologies in Mechanical Engineering(NCSAME-2006), JNTUH, Hyderabad, India, 5-6 May,2006, pp.350-355.
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6. **N.Sateesh**, M.Chandra Sekhara Reddy, and L. Syam Sundar, Improvement in Motion Characteristics of Cam-Follower Systems, National Conference on Computer Applications in Mechanical Engineering (CAME-2005), J.N.T.U College of Engineering, Anantapur (A.P.),India, 21<sup>st</sup> Dec 2005, pp. 25-29.
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8. **N.Sateesh**, Integrated System for Design of Disc Cams, National Conference on Advances in Mechanical Engineering Sciences (NACAMES-04), Sri Siddhartha Institute of Technology, Tumkur (Karnataka), Sept 24-25, 2004, pp 31-36.
9. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy, Computer Aided Design and Manufacturing System for Cylindrical Cams, National Conference on Advanced Materials and Manufacturing Techniques (AMMT), JNTU College of Engineering, Hyderabad and CITD, Hyderabad, 8-9, March, 2004 pp. 144-149.



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**Experience:** 19 years

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**Research** – 3 Years

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**Journal Publications/ Conference Proceedings:** 10

#### INTERNATIONAL JOURNALS

- (1) **R. Karthikeyan and V. Balasubramanian**, (2010) Predictions of the optimized friction stir spot welding process parameters for joining AA2024 aluminum alloy using RSM. *International Journal of Advanced Manufacturing Technology*, Vol.51 pp 173-183. (Springer Publications)



- (2) R.Karthikeyan and V.Balasubramanian, (2012) Optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA6061 aluminum alloy. *International Journal Manufacturing Research*. Vol. 7(3) pp 257-272. (Inder Science Publications)
- (3) R.Karthikeyan and V.Balasubramanian, (2013) Statistical optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA7075 aluminum alloy. *International Journal of Experimental Techniques*. Vol. 37 (2), pp 6-15 (Society for Experimental Mechanics Wiley-Blackwell)

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- (1) R. Karthikeyan and V. Balasubramanian (2010) Friction Stir Spot Welding (FSSW) of AA1100 aluminum alloy- Parameters Optimization and Sensitivity, *Indian Welding Journal* Vol. 43 (1) pp 35-46.

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- (1) R. Karthikeyan and V. Balasubramanian (2008) Effect of Tool rotational speed and dwell time on lap shear strength of friction stir spot welded AA2024 aluminum alloy. *International Symposium on Joining of metals organized by Indian welding society (IWS) Trichy*. Proceedings Vol. 2 pp. 23-30.
- (2) R.Karthikeyan and V.Balasubramanian (2009) Friction stir spot welding of aluminum alloys” *National Workshop on Environmentally Cleaner Welding Process* organized by Indian Welding Society (IWS) Annamalai University, Proceedings pp. 121 -128.
- (3) R.Karthikeyan and V.Balasubramanian (2009) Effect of process parameters on Friction Stir Spot Welded Aluminum Alloy, *National conference on Recent advances in Welding*. Organized by PESIT and IWS, Bangalore. Proceedings pp. 2.84-2.90.
- (4) R. Karthikeyan and V. Balasubramanian (2010) Optimization and sensitivity analysis of friction stir spot welding process parameters for joining AA6061 aluminum alloy, *International conference on Innovative Processes for Materials Joining & Surfacing* organized by Indian welding society (IWS) Mumbai. Proceedings pp. 407-416.
- (5) R. Karthikeyan and V. Balasubramanian (2011) Effect of Friction Stir Spot Welding process parameters on strength and failure modes of A6061-T<sub>6</sub> aluminum alloy joints, *International Conference on Advances in Cutting, Welding and Surfacing (CWS 2011)* organized by Indian Welding Society, Coimbatore, Proceedings pp. y1-y8.

- (6) R.Karthikeyan and V. Balasubramanian (2012) Effect of Tool Rotational Speed on Joint Characteristics of Friction Stir Spot Welded A6061-T<sub>6</sub> aluminum alloy. *International Symposium on Joining of metals organized by Indian welding society (IWS) Trichy. Proceedings Vol. 2 pp. 31-40.*



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**Journal Publications/Conference Proceedings:**7

**Journal Publications**

**International Publications:**

1. Raman Goud.R,K.Eswar Prasad,Swadesh kumar Singh “Formability limit diagrams of extra deep drawing steel at elevated temperatures” International Journal of Procedia Materials Science, 2014.
2. Raman Goud.R,K.Eswar Prasad,Swadesh kumar Singh “**Formability predictions of EDD steel by using redrawing process**” International Journal of material processing and charecterization,2014.

**National Publications:**

1. Raman Goud.R,K.Eswar Prasad,Swadesh kumar Singh” **Experimental investigations on microstrure of extra deep drawn steel at elevated temperatures**”2014 ,Indian journal of Manufacturing.

**Conference Proceedings**

**International Conferences:**

1. Raman Goud.R,K.Eswar Prasad,Swadesh kumar Singh “**Experimental and design consideration of stretching of EDD steel at elevated temperatures.**” International Conference on Advances in Materials and Materials processing 2011
2. Raman Goud.R,K.Eswar Prasad,Swadesh kumar Singh “**FORMING LIMIT DIAGRAM OF EXTRA DEEP DRAWN STEEL FOR STRETCHING IN SHEET METAL FORMING**” International Conference on material processing and charecterization,2012.



3. Raman Goud.R,K.Eswar Prasad,Swadesh kumar Singh “Formability limit diagrams of extra deep drawing steel at elevated temperatures” International Conference on material processing and charecterization, 2014.

#### National Conferences:

1. Raman Goud.R,K.Eswar Prasad,Swadesh kumar Singh “Development and Design Considerations of Warm Forming of Aluminum-alloy”



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**Research Interest:** Sheet Metal Forming

#### Journal Publications/Conference Proceedings: 13

##### International Journals

1. Lade Jayahari, Balu Naik Banoth, Amit Kumar Gupta and Swadesh Kumar Singh, “Some Metallurgical Studies of Austenitic Stainless Steel 304 under Warm Deep Drawing” **Journal of Iron and steel, International, Volume 21, Issue 12, December 2014, Pages 1147-1151. Impact factor-0.33**
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3. Lade Jayahari, B. BaluNaik, and Swadesh Kumar Singh, “Some aspects of Formability of ASS 304 under warm conditions”, **International Journal of Manufacturing Engineering**, December, 2013, Vol. 8, Issue. 4, pp 221-224.
4. Lade Jayahari, B. Balu Naik, and Swadesh Kumar Singh. “Effect of process parameters and metallographic studies of ASS-304 Stainless Steel at various temperatures under warm deep drawing.” **Procedia Materials Science, Elsevier Journa 6 (2014): 115-122.**
5. Lade Jayahari, Balu Naik Banoth, and Swadesh Kumar Singh, “Finite element Simulation studies of AISI 304 for deep drawing at various temperatures”,





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**International Conferences**

1. **Jayahari Lade**, Swadesh Kumar Singh, Balu Naik Banoth, "Formability analysis of austenitic stainless steel-304 under warm conditions". Citation: **NUMISHEET 2014 AIP Conference Proceedings 1567, 378-381 (2013)**; doi: 10.1063/1.4849994
2. **L.Jayahari**, Swadesh Kumar Singh, Balu Naik, "Study of Formability and Thickness Distribution in Warm Forming of ASS-304, **AIMTDR-2012**, December 2012, Kolkata, India.
3. **Lade Jayahari**, B.BaluNaik, Swadesh Kumar Singh, "Study of microhardness of Deep Drawn cups for Austenitic stainless steel-304 under warm conditions". **High Nitrogen Steels (HNS -2012)**, PP12 Sep 2012, Chennai, India.
4. **L.Jayahari**, B.BaluNaik, N.Lakshmi et al, "Experimental Investigation of Punch Load of ASS 304 at Various Temperatures" **International Conference on Materials Processing and Characterization (ICMPC -2012)**, 89-93, March, India.
5. **L.Jayahari**, B.BaluNaik, R.Bhargav et al,"Microhardness Studies of Austenitic Stainless steel-304"**International Conference on Materials Processing and Characterization (ICMPC -2012)**,94-99, March, India.
6. **Lade Jayahari**, B.BaluNaik, Swadesh Kumar Singh, "Simulation and experimental investigation of ASS 304 at various temperatures in warm deep drawing forming Process", **International Conference on Smart Systems (ICSS-2013)**, October , 2013, Hyderabad, INDIA.
7. Ramana Gaud, **L.Jayahari**, and Swadesh Kumar Singh, (2011)" Experimental and Design consideration of Stretching of EDD steel sheet at elevated temperatures" International Conference on Advances in Materials and Materials Processing, IIT Kharagpur India, Dec 9-11, 2011 pp 202.

**National Conferences:**

1. **Jayahari.L**, Ramana Goud, Swadesh Kumar Singh, Eswar Prasad, and Balu Naik (2009), "Development and Design Considerations of Warm Forming of Aluminum-alloy" NCSAME 09, JNTU Hyderabad, 20-21 Aug India.



**Dr.RAM.SUBBIAH**, Associate Professor -  
(ID No:-1289)

**Qualifications:** B.E (Mechatronics) - Anna University, Chennai (2007) M.Tech (Computer Integrated Manufacturing) – SRM University, Chennai (2009) MBA (Education Management) – Alagappa University, Karaikudi (2012) Ph.D (Material Science & Engineering) – Singhania University, Pilani (2013)

**Experience : 8 years**

**Research Interest: Mechatronics and Materials**

**Journal Publications/Conference Publications: 56**

**PUBLICATIONS IN INTERNATIONAL JOURNALS: (TOTAL - 11)**

1. Ram. Subbiah, Dr.R.Rajavel. (2010), "Dry Sliding Wear Behavior Analysis of Nitrided 316LN Grade Austenitic Stainless Steels Using Gas Nitriding Process", International Journal of Theoretical and Applied Information Technology, Vol.19, No.2, pp 98-101. (Anna University Annexure II – Impact Factor 0.6)
2. Ram. Subbiah, Dr.R.Rajavel. (2014), "Salt Bath Nitriding on 316LN Austenitic Stainless Steel Material", Australian Journal of Basic and Applied Sciences. (Anna University Annexure II – Impact Factor 2.0)
3. Ram.Subbiah, S.Satheesh, Shoan C.Sunny, G.Kishore, K.Fahad, Dr.R.Rajavel. (2014), "Assessment of Properties on 316LN Austenitic Stainless Steel Material under Low Temperature Liquid Nitriding Process", International Journal of Innovative Engineering and Exploring Research, Vol.3, pp 69-71. Impact Factor 1.0
4. Ram. Subbiah, P. Karthick, R.Manjunath, T. Prasanth, R. Ilavarasan, Dr.R. Rajavel, (2014), "Experimental Investigation on Hardness of Gas Implanted AISI 316LN Austenitic Stainless Steel", International journal of Inventive Engineering and Sciences, Volume-2, Issue-3, pp 51-55. Impact Factor 1.0
5. Ram. Subbiah, P. Karthick, R.Manjunath, T. Prasanth, R. Ilavarasan, Dr.R. Rajavel, (2014), "Effect of Nitrogen on Low Temperature Nitrided Stainless Steels for Steam Turbine Blades", International journal of Recent Technology and Engineering, Volume-2, Issue-3, pp 139-141. Impact Factor 1.0.
6. Ram.Subbiah, S.Satheesh, Shoan C.Sunny, G.Kishore, K.Fahad, Dr.R.Rajavel. (2014), "Assessment of Properties on 316LN Austenitic Stainless Steel



Material under Low Temperature Liquid Nitriding Process”, International Journal of Recent Technology and Engineering, Vol.3, issue -, pp 142-144. Impact Factor 1.0

7. Ram. Subbiah, Dr.R.Rajavel. (2011), “Effect of Salt Bath Nitriding on 316LN Austenitic Stainless Steel Material”, International Journal of Material Science, Vol.06, No.4, pp 465-471.
8. Ram.Subbiah, Dr.R.Rajavel. (2012), “Microstructure and Wear Characteristics of 316LN Austenitic Stainless Steel Material by Plasma Nitriding Process”, International Review of Applied Engineering Research, Vol.02, pp 31-35.
9. Ram. Subbiah, Dr.R.Rajavel. (2012), “Improving the Hardness of AISI 316LN Austenitic Stainless Steel Material by Gas and Plasma Nitriding Process”, International Journal of Engineering Research and Technology, Vol.05, pp 73-79. Impact Factor 1.0.
10. Ram.Subbiah, Dr.R.Rajavel. (2012), “Investigation of 316LN Austenitic Stainless Steel by Gas and Salt Bath Nitriding Process”, International Review of Applied Engineering Research, Vol.2, pp 23-30. – Scopus Indexed.
11. Ram.Subbiah, Dr.R.Rajavel. (2012), “Assessment of Properties on 316LN Austenitic Stainless Steel by Salt Bath and Plasma Nitriding Process”, International Journal of Applied Engineering Research, Vol.7, pp 79-84. – Scopus Indexed.

#### **PUBLICATIONS IN INTERNATIONAL CONFERENCES: (TOTAL 15)**

1. Ram. Subbiah, Dr.R.Rajavel. (2011), “Low Temperature Salt Bath Nitriding of 316LN Stainless Steel Material”, International Conference in South Asia on “Global Manufacturing Systems and Management”, ICGMSM – 2011 at Coimbatore Institute of Technology, Coimbatore from 1<sup>st</sup> to 3<sup>rd</sup> August 2011.
2. Ram.Subbiah, Dr.R.Rajavel. (2011), “Surface Modifications of Austenitic Stainless Steels by Plasma Nitriding Process and Analyzing its Wear Behavior”, International Conference in South Asia on “Global Manufacturing Systems and Management”, ICGMSM – 2011 at Coimbatore Institute of Technology, Coimbatore from 1<sup>st</sup> to 3<sup>rd</sup> August 2011.
3. Ram.Subbiah, Dr.R.Rajavel. (2011), “Studies on Dry Sliding Wear Behavior of 316LN Austenitic Stainless Steel by Salt Bath Nitriding Process”, International Conference on Recent Advances in Mechanical Engineering”, INCRAME – 2011 at MGR University, Chennai from 21<sup>st</sup> to 22<sup>nd</sup> April 2011.
4. Ram.Subbiah, Dr.R.Rajavel. (2011), “Assessment of Properties of Austenitic Stainless Steel by Plasma Nitriding Process”, International Conference on



- Recent Advances in Mechanical Engineering”, INCROME – 2011 at MGR University, Chennai from 21<sup>st</sup> to 22<sup>nd</sup> April 2011.
5. Ram.Subbiah, Dr.R.Rajavel. (2011), “Gas Nitriding of 316LN Austenitic Stainless Steel and Analyzing its Wear Behavior”, International Conference on Recent Advances in Mechanical Engineering”, INCROME – 2011 at MGR University, Chennai from 21<sup>st</sup> to 22<sup>nd</sup> April 2011.
  6. Ram.Subbiah, Dr.R.Rajavel. (2012), “Influence of Salt Bath Nitriding Process on Stainless Steel Material”, International Conference on Advances in Mechanical, Manufacturing and Building Sciences”, ICAMB – 2012 at VIT University, Vellore from 09<sup>th</sup> to 11<sup>th</sup> January 2012.
  7. Ram.Subbiah, Dr.R.Rajavel. (2012), “Low Temperature Gas Nitriding Process on 316LN Austenitic Stainless Steel Material”, International Conference on Advances in Mechanical, Manufacturing and Building Sciences”, ICAMB – 2012 at VIT University, Vellore from 09<sup>th</sup> to 11<sup>th</sup> January 2012.
  8. Ram.Subbiah, Dr.R.Rajavel. (2012), “Sliding wear evaluation of plasma nitrided 316LN stainless steel material”, International Conference on Advances in Mechanical, Manufacturing and Building Sciences”, ICAMB – 2012 at VIT University, Vellore from 09<sup>th</sup> to 11<sup>th</sup> January 2012.
  9. R.Ganesh, Ram.Subbiah. (2015), “Dry sliding wear behavior of powder metallurgy aluminium matrix composite”, International Conference on Materials Processing and Characterization”, ICMPC – 2015 at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad , from 14<sup>th</sup> to 15<sup>th</sup> March 2015.
  10. Ram.Subbiah (2008), “Implementation of Low Cost Automation in Textile Industry”, International Conference on Digital Factory – ICDF 2008, Coimbatore Institute of Technology, Coimbatore, on 11<sup>th</sup> to 13<sup>th</sup> August 2008.
  11. Ram.Subbiah (2008), “Industrial & Medical Applications of Robots”, International Conference on Digital Factory – ICDF 2008, Coimbatore Institute of Technology, Coimbatore, on 11<sup>th</sup> to 13<sup>th</sup> August 2008.
  12. Ram.Subbiah (2008), “Microcontroller Based Car Parking System”, International Conference on Digital Factory – ICDF 2008, Coimbatore Institute of Technology, Coimbatore, on 11<sup>th</sup> to 13<sup>th</sup> August 2008.
  13. Ram.Subbiah, Dr.R.Rajavel. (2012), “Salt Bath Nitriding of 316LN Stainless Steels”, International Conference on Systems, Methodologies, Automation and Research Trends, SMART - 2012 at Sri Manakula Vinayagar Engineering College, Pondicherry on 12<sup>th</sup>-14<sup>th</sup> December 2012.



14. Ram.Subbiah, Dr.R.Rajavel. (2012), "Wear Behavior of 316LN Austenitic Stainless Steels by Gas Nitriding Processes", International Conference on Systems, Methodologies, Automation and Research Trends, SMART - 2012 at Sri Manakula Vinayagar Engineering College, Pondicherry on 12<sup>th</sup>-14<sup>th</sup> December 2012.
15. Ram.Subbiah, Dr.R.Rajavel. (2012), "Assessment of Properties of Austenitic Stainless Steel by Plasma Nitriding Processes", International Conference on Systems, Methodologies, Automation and Research Trends, SMART - 2012 at Sri Manakula Vinayagar Engineering College, Pondicherry on 12<sup>th</sup>-14<sup>th</sup> December 2012.

**PUBLICATIONS IN NATIONAL CONFERENCES: (TOTAL 30)**

1. Ram.Subbiah,(2015), "Material condition tailored to plasma nitriding process for ensuring wear resistance of austenitic stainless steel", National Conference on fast emerging trends in engineering and technology", NCOFEET – 2015 at Bharat Institute of Engineering and Technology, Hyderabad, from 25<sup>th</sup> to 26<sup>th</sup> March 2015.
2. Ram.Subbiah,(2015), "Effect of case hardening on AISI 316LN austenitic stainless steel by low temperature gas nitriding", National Conference on fast emerging trends in engineering and technology", NCOFEET – 2015 at Bharat Institute of Engineering and Technology, Hyderabad, from 25<sup>th</sup> to 26<sup>th</sup> March 2015.
3. Ram.Subbiah,(2015), "Evaluation of salt bath nitrated austenitic stainless steel specimens at low temperature", National Conference on fast emerging trends in engineering and technology", NCOFEET – 2015 at Bharat Institute of Engineering and Technology, Hyderabad, from 25<sup>th</sup> to 26<sup>th</sup> March 2015.
4. Dr.Ram.Subbiah (2014), " Brain Controlled Interfaces – Leg Movement Restoration Using EEG Signal", National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME 2014, Vel Tech High Tech Engineering College, Chennai on 23<sup>rd</sup> August, 2014.
5. Dr.Ram.Subbiah (2014), " Brain Controlled Interfaces – Actuation of Prosthetic ARM Using EEG Signal", National Conference on Advances and Innovations in Civil and Mechanical Engineering – AICME 2014, Vel Tech High Tech Engineering College, Chennai on 23<sup>rd</sup> August, 2014.
6. Dr.Ram.Subbiah (2014), " Orientation Dependence of Nitrogen Super Saturation in 316LN Austenitic Stainless Steel using Low Temperature Plasma Nitriding Processes", National Conference on Advances in Materials – AIM 2014, Anna University, Nagercoil on 7<sup>th</sup> October, 2014.



7. Dr.Ram.Subbiah (2014), “ Surface Properties of Nitrided Layer on AISI 316LN Austenitic Stainless Steel by Low Temperature Gas Nitriding in Short Time”, National Conference on Advances in Materials – AIM 2014, Anna University, Nagercoil on 7<sup>th</sup> October, 2014.
8. Dr.Ram.Subbiah (2014), “ Improvement of Hardness Properties by Solution Treatment in Nitrided Type 316LN Stainless Steel”, National Conference on Advances in Materials – AIM 2014, Anna University, Nagercoil on 7<sup>th</sup> October, 2014.
9. Ram.Subbiah, Dr.R.Rajavel. (2009), “Wear Behavior Analysis of Nitrided 316LN Grade Austenitic Stainless Steel Using Gas, Salt Bath and Plasma Nitriding Processes”, National Conference on Recent Advancement and Development in Material Science”, RAADIMS – 2009 at Mepco Schlenk Engineering College, Sivakasi from 20<sup>th</sup> to 21<sup>st</sup> February 2009.
10. Ram.Subbiah, Dr.R.Rajavel. (2011), “Effect of Plasma Nitriding on Stainless Steel Material”, Decennial Year - National Conference on Emerging Trends in Design and Manufacturing”, ETDM - 2011 at Saveetha Engineering College, Chennai from 24<sup>th</sup> to 25<sup>th</sup> March 2011.
11. Ram.Subbiah, Dr.R.Rajavel. (2011), “Assessment of Properties of Austenitic Stainless Steel by Salt Bath Nitriding Process”, Decennial Year - National Conference on Emerging Trends in Design and Manufacturing”, ETDM - 2011 at Saveetha Engineering College, Chennai from 24<sup>th</sup> to 25<sup>th</sup> March 2011..
12. Ram.Subbiah, A.John Presin Kumar, H.Manikandan, Dr.R.Rajavel (2011), “Wear Characterization of Austenitic Stainless Steel by Plasma Nitriding Process”, National Conference on Advances and Innovations in Mechanical Engineering”, AIME - 2011 at S.K.R Engineering College, Chennai on 24<sup>th</sup> February 2011.
13. Ram.Subbiah, Dr.R.Rajavel. (2011), “Surface Hardening of Stainless Steel Material by Gas Nitriding Process”, National Conference on Advances and Innovations in Mechanical Engineering”, AIME - 2011 at S.K.R Engineering College, Chennai on 24<sup>th</sup> February 2011.
14. Ram.Subbiah, Dr.R.Rajavel. (2011), “Nitriding of AISI 316LN Austenitic Stainless Steel by Salt Bath Nitriding Process”, National Conference on Advances and Innovations in Mechanical Engineering”, AIME - 2011 at S.K.R Engineering College, Chennai on 24<sup>th</sup> February 2011.
15. Ram.Subbiah, Dr.R.Rajavel. (2011), “Influence of Salt Bath Nitriding and Plasma Nitriding Process on 316LN Stainless Steel Material”, National



Conference on Recent Trends in Manufacturing Technology”, RTMT – 2011 at College of Engineering, Guindy Campus, Anna University, Chennai on 11<sup>th</sup> and 12<sup>th</sup> March 2011.

16. Ram.Subbiah, Dr.R.Rajavel. (2011), “Effect of Assessment on Properties of 316LN Stainless Steel Material by Gas Nitriding Process”, National Conference on Computer Applications in Mechanical Engineering”, NATCAME - 2011 at J.N.N Institute of Engineering, Chennai on 5<sup>th</sup> August 2011.
17. Ram.Subbiah, Dr.R.Rajavel. (2011), “Modifying the Surface of 316LN Stainless Steel Material”, National Conference on Future Engineering in Automobile Engineering”, NCFEAT - 2011 at Saveetha University, Saveetha School of Engineering, Chennai on 11<sup>th</sup> March 2011.
18. Ram.Subbiah, Dr.R.Rajavel. (2011), “Surface Hardening of AISI 316LN Stainless Steel by Salt Bath Nitriding Process”, National Conference on Recent Trends in Engineering Sciences, RTIES - 2011 at Aksheyaa College of Engineering, Chennai on 19<sup>th</sup> March 2011.
19. Ram.Subbiah, Dr.R.Rajavel. (2011), “Structure and Wear Resistance of Plasma Nitrided Stainless Steels”, National Conference on Recent Trends in Engineering Sciences, RTIES - 2011 at Aksheyaa College of Engineering, Chennai on 19<sup>th</sup> March 2011.
20. Ram.Subbiah, Dr.R.Rajavel. (2011), “Low Temperature Gas Nitriding of 316LN Stainless Steels”, National Conference on Recent Trends in Engineering Sciences, RTIES - 2011 at Aksheyaa College of Engineering, Chennai on 19<sup>th</sup> March 2011.
21. Ram.Subbiah, Dr.R.Rajavel. (2011), “Dot Mapping and Line Scale Mapping Analysis on 316LN Stainless Steel Material by Gas, Plasma and Salt Bath Nitriding process”- Session-II , National Conference on Advances and Innovations of Civil and Mechanical engineering, AICME - 2011 at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 11<sup>th</sup> August 2011.
22. Ram.Subbiah, Dr.R.Rajavel. (2011), “Microstructure Investigation on 316LN Austenitic Stainless Steel by Gas, Salt Bath and Plasma Nitriding”- Session-II, National Conference on Advances and Innovations of Civil and Mechanical engineering, AICME - 2011 at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 11<sup>th</sup> August 2011.
23. Ram.Subbiah, Dr.R.Rajavel. (2011), “XRD Analysis on 316LN Stainless Steel Material by Gas, Plasma and Salt Bath Nitriding Process”- Session-II,



National Conference on Advances and Innovations of Civil and Mechanical engineering, AICME - 2011 at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 11<sup>th</sup> August 2011.

24. Ram.Subbiah, Dr.R.Rajavel. (2011), "Improving the Surface Hardness of 316LN Austenitic Stainless Steel by Plasma and Salt Bath Nitriding Process"- Session-I, National Conference on Advances and Innovations of Civil and Mechanical engineering, AICME - 2011 at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 11<sup>th</sup> August 2011.
25. Ram.Subbiah, Dr.R.Rajavel. (2011), "Low Temperature Wear Behavior of 316LN Grade Stainless Steel by Salt Bath and Gas Nitriding Process"- Session- I, National Conference on Advances and Innovations of Civil and Mechanical engineering, AICME - 2011 at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 11<sup>th</sup> August 2011.
26. Ram.Subbiah, Dr.R.Rajavel. (2011), "Effect of Diffusion Time in Assessment of Properties on 316LN Grade Stainless Steel by Gas and Plasma Nitriding Process"- Session-I, National Conference on Advances and Innovations of Civil and Mechanical engineering, AICME - 2011 at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 11<sup>th</sup> August 2011.
27. Ram.Subbiah (2008), "PLC Based Smart Car Parking System", National Conference on Emerging Trends in Engineering and Technology, NCETET - 2008 at Raja Rajeshwari Engineering College, Chennai on 4<sup>th</sup> & 5<sup>th</sup> April 2008.
28. Ram.Subbiah (2008), "BEAM Robot – An Obstacle Sensing Robot", National Conference on Advances in Robotics, Precision Engineering and Manufacturing Techniques, AIRPAM - 2008 at MIT Campus, Anna University, Chennai on 14<sup>th</sup> & 15<sup>th</sup> March 2008.
29. Ram.Subbiah (2008), "Automation of Elastic Ribbon Cutting", National Conference on Advancements in Manufacturing and Management Systems – AIMMS 2008, Sri Sairam Engineering College, Chennai, on 17<sup>th</sup> April 2008.
30. Ram.Subbiah (2008), "Prediction of Surface Roughness in Turning Operation using Neural Network", National Conference on Advancements in Manufacturing and Management Systems – AIMMS 2008, Sri Sairam Engineering College, Chennai, on 17<sup>th</sup> April 2008.





**K. Venkateswarlu (ID-1350) Associate Professor,**  
Department of Mechanical Engineering.

**Qualifications:** Ph.D (Pursuing)- I.C Engines (JNTU-Kakinada), M.Tech – Thermal Engineering (JNTU Hyderabad), B.Tech - Mechanical Engineering (JNTU Hyderabad)

**Experience:** 17 Years

**Research Interest:** Fuel efficiency and emission improvement of Diesel engines and simulation of fuel Injection and combustion.

**Journal Publications:** 13

**National Publications:**

1. **K.Venkateswarlu., M.Ramesh., K.Veladri., Testing of Methanol-gasoline blends as alternative fuel for S.I Engines.** Institution of Engineers, India IE(I), Vol 90,2009, Pages 24-29.

**International Publications:**

1. **K.Venkateswarlu, B.S.R Murthy, and V.V Subbarao., An Experimental Investigation on Performance, Combustion and Emission Characteristics of Diesel-Biodiesel Blends with Isobutanol as an Additive.** SAE Technical Paper number: 2012-28-0011, DOI: 10.4271/2012-28-0011.
2. **K.Venkateswarlu., B.S.R Murthy., V.V Subba Rao., K.Vijaya Kumar., Effect of Exhaust Gas Recirculation and Ethyl Hexyl Nitrate Additive on Biodiesel Fuelled Diesel Engine for the Reduction of NOx Emissions.** Frontiers in Energy (Springer), September 2012, Volume 6, Issue 3, pp 304-310.
3. **K.Venkateswarlu, K.Ramakrishna, K.Vijaya Kumar., Improvement of Engine Performance and Emissions with Ethyl Hexyl Nitrate and Diesel-Biodiesel Blends.** International Energy Journal (IEJ), Volume 13, Issue 2, June 2012, pp 85-96.
4. **K.Venkateswarlu, B.S.R Murthy, V.V Subbarao, P.Sai Chaitanya., An Experimental Investigation on the Combined Effect of Exhaust Gas Recirculation and Cetane Improver on Biodiesel Fueled Diesel Engine”** International Energy Journal(IEJ), Volume 13, Issue 3, September 2012, pp133-144.
5. **K.Venkateswarlu, B.S.R Murthy, V.V Subba Rao., The Effect of Exhaust Gas Recirculation and Di-Tertiary Butyl Peroxide on Diesel-Biodiesel Blends for Performance and Emission Studies,** International Journal of Advanced Science and Technology, Vol 54, pp49-60, 2013.
6. **K.Venkateswarlu, B.S.R Murthy., Effect of Engine Modifications on Performance and Emission Characteristics of Diesel Engines with**

Alternative Fuels. International Journal of Engineering and Applied Sciences (IJEAS), vol.2, issue 2, 2010, pp 69-78.

7. **Syed yousufuddin, K.Venkateswarlu, Naseeb Khan.**, A computational study to investigate the effects of insulation and EGR in a diesel engine. International Journal of Energy and Environment(IJEE), Volume 3, issue 2, 2012, pp 247-266.
8. **G.R.K.Sastry, K.Venkateswarlu, Syed Yousufuddin, B.S.R Murthy.**, Performance,Vibration and Emission Analysis Of Diesel Engine Fuelled With Fish Oil Bio Diesel Blends, International Journal of Advanced Engineering Technology, IJAET/Vol.III/ Issue I/January-March, 2012/116-120.
9. **Syed Yousufuddin, K.Venkateswarlu,G.R.K.Sastry.**, Effect of Compression Ratio and Equivalence Ratio on the Emission Characteristics of a Hydrogen-Ethanol Fuelled Spark Ignition Engine,. International Journal of Advanced Science and Technology, Vol. 40, March, 2012, PP 91-100.
10. **Syed Yousufuddin, K. Venkateswarlu, Naseeb Khan.**, Effect of Ignition Timing and Equivalence Ratio on the Performance of an Engine Running at Various Speeds Fuelled with Gasoline and Natural Gas. International Journal of Advanced Science and Technology. Vol. 43, June, 2012, pp67-79.
11. **K.Venkateswarlu, B.S.R Murthy, V.V Subbarao.**, An experimental investigation to study the effect of fuel additives and exhaust gas recirculation on combustion and emissions of diesel-biodiesel blends. The Journal of Brazilian Society of Mechanical Sciences and Engineering (Accepted).
12. **K.Venkateswarlu, B.S.R Murthy, V.V Subba Rao.**, "Performance and Emission Improvement of Biodiesel Fueled Diesel Engine with Exhaust Gas Recirculation and Ethyl Hexyl Nitrate Additive," International Journal of Bio-Science and Bio-Technology,Vol.7(2), (2015), pp.87-106.



**Dr. S. SURENDARNATH**, (ID: 1347) Associate Professor, Department of Mechanical Engineering

**Qualifications:**Ph.D. : Metal Forming Processes, NIT Tiruchirappalli. 2015 M.E. : Engineering Design, Government College of Engineering, Anna University of Technology, Tirunelveli. 2009 B.E. : Mechanical Engineering, Anna University Chennai. 2007

**Experience:** 01 year

**Research Interest:** Metal Forming Processes (ECAP), Finite Element in Metal Forming

**International Journals: 03**

**Conference Proceedings: 02**

**List of International Journals:**

1. **Surendarnath S.;** Sankaranarayananasamy K.; Ravisankar B. (2014) "Workability study on 99.04 % pure aluminum processed by ECAP" Materials and manufacturing Processes. Vol. **29 (6)**, PP. 1-6.
2. **Surendarnath S.;** Sankaranarayananasamy K.; Ravisankar B. (2014) "A Comparative Study of commercially Pure Aluminium Processed by ECAP Using Conventional and New Die" Materials and manufacturing Processes, Vol. **29 (10)**, PP. 1172-1178.
3. **Surendarnath S.;** Sankaranarayananasamy K.; Ravisankar B. (2014) "Experimental investigation on performance of New Equal Channel Angular Pressing Die" IOP Conference Series- Materials Science and Engineering, Vol. **63**, PP. 1-8.

**List of Conference Proceedings:**

1. **Surendarnath S.;** Sankaranarayananasamy K.; Ravisankar B. (2014) "Experimental investigation on performance of New Equal Channel Angular Pressing Die" 6th International Conference on Nanomaterials by Severe Plastic Deformation (NANOSPD 6), Metz, France, June 30 – July 4, 2014.
2. **Surendarnath S.;** Krishnaveni A. "Elasto-Plastic Fracture Analysis of plate Specimen" National onference on Advances and Contemporaries in Design and Manufacturing (ACDM'09), SCAD College of Engineering and Technology, Tirunelveli, March 29, 2009.



**Mrs. U.S.JYOTHI,** Associate Professor of MECH  
Dept. (ID-880)

**Qualifications:** Pursuing Ph.D. Mechanical Engineering, JNT University, Hyderabad. Registered in 2012 **M.Tech:** Thermal Engineering, JNTUH, 2001 **B.Tech:** Mechanical Engineering, JNTUCEA – 1998

**Experience: 16 years**

**Research Interest:** Alternative fuels

**Journal Publications/ Conference Proceedings: 01**

**International Journal:**

1. "A Impact on Combustion, Performance and Emissions of CI Diesel Engine using Hydrogen as Dual Fuel Operation- A Review" International Journal of Emerging and Advanced Engineering Volume 4, Issue 12, pp.333-337, 2014.



**K. Sunil Kumar Reddy**, Associate professor,  
Department of Mechanical Engineering. (ID-1175)

**Qualification:** M.Tech (Thermal Sciences) (NIT-Calicut), 2000 MBA (UK), B. Tech. (Mechanical Engineering –JNTU Hyderabad, 1998)

**Experience:** 14 years

**Research Interest:** Heat Transfer, Computational Fluid Dynamics



**Dr. K. Satyanarayana** Assistant Professor (ID-1171)

**Qualification:** Ph.D (Mechanical Engineering) (NIT-Warangal, 2013), MTech (Product Design and Development) (NIT - Warangal, 2009) B.TECH (MECHANICAL ENGG –JNTUH-2007)

**Experience :** 1 year

**Research interests:** Machine Tools, Manufacturing and design

**Journal Publications/ Conference Proceedings:** 16

### International Journals

1. **Satyanarayana Kosaraju**, Venu Gopal Anne and Bangaru Babu Popuri, "Analysis for Optimal Decisions on Turning Ti6Al4V with Taguchi-Grey Method", ProclMechEPart C: Journal of Mechanical Engineering Science, Sage Publication. (**Impact factor 2012; 0.633**). vol 228, Nos 1, pp 152-157, 2014. DOI: 10.1177/0954406213480599 (**SCI Journal**)
2. **Satyanarayana Kosaraju**, Venu Gopal Anne and Bangaru Babu Popuri, "Online tool condition monitoring in turning Titanium (Grade 5) using Acoustic Emission: Modeling", International Journal of Advanced Manufacturing Technology, ISSN No 0268-3768, Vol No: 67, pp 1947-1954, 2013 (**Impact factor 2012: 1.205**) DOI: 10.1007/s00170-012-4621-2. (**SCI Journal**)
3. **Satyanarayana Kosaraju** and Venu Gopal Anne, "Optimal Machining Conditions for Turning Ti-6Al-4V using Response Surface Methodology", International Journal of Advances in manufacturing. Vol No: 1, pp 329-339, 2013. DOI: 10.1007/s40436-013-0047-9.



4. **Satyanarayana Kosaraju**, Venu Gopal Anne and Bangaru Babu Popuri, "Design Optimization of Machining Parameters for Turning Titanium Alloys with Taguchi-Grey Method", *International Journal of Machining and Machinability of Materials*. Int. J. Machining and Machinability of Materials, Vol. 13, Nos. 2/3, pp 191-202, 2013. DOI: 10.1504/IJMMM.2013.053222
5. **Satyanarayana Kosaraju**, Venu Gopal Anne and Bangaru Babu Popuri, "Taguchi analysis on cutting forces and temperature in turning Titanium Ti-6Al-4V", *International Journal of Mechanical and Industrial Engineering (IJMIE)*, ISSN No. 2231-6477, Vol 1, Issue 4, pp 55-59, 2012.
6. **Satyanarayana Kosaraju**, Venu Gopal Anne and Bangaru Babu Popuri, "Experimental Investigations and Modeling of Machining Titanium Alloy – Ti-6Al-4V", *International Journal of Applied Mechanics and materials*. Vols. 315, pp 562-566, 2013
7. Ramanujkumar, A K Sahoo and **Satyanarayana Kosaraju**, "Finite element simulation of forces and temperature in turning titanium alloy using DEFORM 3D", *International Journal of Mechanical Engineering and Research*, ISSN No. 2249-0019, Vol-3, Issue-5, pp 330-334,2013.
8. Kumar, Ramanuj, Ashok Kumar Sahoo, K. **Satyanarayana**, and G. Venkateswara Rao. "Some studies on cutting force and temperature in machining Ti-6Al-4V alloy using regression analysis and ANOVA. *International Journal of Industrial Engineering Computations*. Vols 4, pp 427-436, 2013.
9. **Sadasiva Rao T.**, Satyanarayana K., **Praneeth Y.**, Venu Gopal A, "Studies on The Effect of Approach Angle and Process Parameters in Face Milling", *International Journal of Applied Mechanics and materials*. Vols.110-116, pp 3147-3155, 2012.

### International Conferences

1. Satyanarayana Kosaraju, Venu Gopal Anne and Bangaru Babu Popuri, "Three-dimensional numerical simulation of cutting force in turning Ti-6Al-4V", *COPEN8 International conference on Precision, Meso, Micro and Nano Engineering*, December 13-15, 2013, NIT Calicut, Kerala (Accepted for presentation and publication)
2. Satyanarayana Kosaraju, Venu Gopal Anne and Bangaru Babu Popuri, "Finite Element Simulation of Cutting Forces in Turning Ti-6Al-4V using DEFORM 3D", *ASME 2013 International Mechanical Engineering Congress & Exposition (IMECE2013)*, November 15-21, 2013, SAN DIEGO, CA, USA. pp. 1-7



3. Satyanarayana Kosaraju, Venu Gopal Anne and Bangaru Babu Popuri, "Experimental Studies on the Effect of Rake Angle on Main Cutting Force and Surface Roughness in Machining Ti-6Al-4V", 2nd International conference on Advanced Manufacturing and Automation 2013 (INCAMA 2013), during 28-30th March 2013, Kalasalingam university, Tamil Nadu. pp. 565-568
4. Satyanarayana Kosaraju, Venu Gopal Anne and Bangaru Babu Popuri, "Experimental Investigations and Modeling of Machining Titanium Alloy – Ti-6Al-4V", 3rd International Conference on Mechanical and Manufacturing Engineering 2012 (ICME2012), during 20<sup>th</sup>- 21<sup>st</sup> November 2012, Universiti Tun Hussein Onn Malaysia, Malaysia. pp. 155-159.
5. Satyanarayana Kosaraju, Venu Gopal Anne and Bangaru Babu Popuri, "Online Tool Wear Monitoring using Cutting Forces in Turning Ti-6Al-4V", International Conference on Trends in Industrial and Mechanical Engineering (ICTIME 2012), 24-25 March 2012, Dubai, organized by PSRC . pp. 147-150
6. Satyanarayana Kosaraju, Venu Gopal Anne and Venkateswara Rao Ghanta, "Effect of Rake Angle and Feed Rate on Cutting Forces in an Orthogonal Turning Process", International Conference on Trends in Mechanical and Industrial Engineering (ICTMIE 2011), 23-24 December 2011, Bangkok, Thailand. pp. 150-15.
7. Satyanarayana Kosaraju, Manohar Goud K, Sadasiva Rao T, Venu Gopal A, "Online tool condition monitoring in face Milling operation using Acoustic Emission", 3rd international and 24th AIMTDR conference, 13-15 December 2010, Andhra University, Visakhapatnam, India. pp. 657-662.



**Mr. K. PRASHANTH REDDY**, ASSISTANT PROFESSOR of MECH Dept. (ID-1121)

**Qualifications:** Pursuing Ph.D (Mechanical Engineering) (JNTU- Hyderabad, Registered in 2012), COMPLETED Pre PH.D and COURSEWORK in SEPTEMBER 2013. **M.Tech** (THERMAL ENGG) (JNTU- Hyderabad, 2007) **B.Tech** (Mechanical Engineering) (JNTU- Hyderabad, 2001)

**Experience :** 14 years

**Research Interest:** Heat Transfer, CFD

**Journal Publications/ Conference Proceedings:** 04

**International Journal publications:**

1. Bhramara, Panitapu, T. K. K. Reddy, and K. Prashanth Reddy. "CFD Analysis of Desktop Heat Sink." *Journal of Enhanced Heat Transfer* 15.3 (2008). pp 261-272. Published by Begell house Inc. (impact factor 0.6) 50 cross highway, Redding, CT 0689 USA.

**International/National conference publications:**

2. INTERNATIONAL CONFERENCE: Paper titled CFD ANALYSIS ON A 3D HEAT SINK published in the 19th national and 8th ISHMT-ASME Heat and Mass Conference held on January 3-5 2008 at JNTUCE KUKATPALLY HYDERABAD.
3. N. Sateesh, C.S.P. Rao, K. Prashanth Reddy, and R. Raman Goud, Design of Cam-Follower Mechanisms Using Rational B-Splines, International Conference on Advanced Materials and Manufacturing Technologies (AMMT), JNTUH, Hyderabad, India, 18-20, December, 2014, pp. 184-192.
4. K. Prashanth Reddy, Bhramara Panitapu, G.Arun Reddy, Numerical and Experimental Investigation of Cooling In Injection Moulding For Different Cooling Channel Designs, 1st International ISHMT-ASTFE Heat and Mass Transfer Conference, IHMTC2015, 17-20 December, 2015, ISRO, Thiruvananthapuram, India.



**Mr. J.VENKATA SURESH**, Assistant Professor of MECH Dept. (ID-985)

**Qualifications:** Pursuing Ph.D. (Mechanical Engineering) (JNTU- Hyderabad, Registered in 2012), COMPLETED Pre PH.D AND coursework IN SEPTEMBER 2013. **M.Tech** (ENERGY SYSTEMS) (JNTU- Hyderabad, 2005) **B.Tech** (Mechanical Engineering) (NU - Guntur, 2002)

**Experience:** 09 years

**Research Interest:** Heat Transfer, CFD, Heat Pipes

**Journal Publications/ Conference Proceedings:** 02

**National Conference:**

1. Participated and presented a paper on "Evaluation of Hydraulic Loss Factors in a Hydro Generator Stator by using a CFD Package" in National conference on Advances in Mechanical Engineering (AIM-2005), at Vasavi College of Engineering, Hyderabad, May 13-14, 2005.

**International Conference:**

2. A paper on “Experimental and CFD analysis of Hydrogenerator Ventilation Components” for the CIGRE Session - 2006 (International Council on Large Electrical Systems), at Paris, France, 27 August-01 September 2006.



**Mrs. A. ANITHA LAKSHMI,**

Assistant Professor of MECH Dept. (ID-944)

**Qualifications:** Pursuing Ph.D. Mechanical Engineering, Andhra University, Registered in 2014 **M.Tech:** CAD/CAM, Andhra University, 2007 **B.Tech:** Mechanical Engineering, JNTUH – 2004

**Experience:** 07 years

**Research Interest:** Processing of materials

**Journal Publications/ Conference Proceedings:** 01

**International Journal:**

1. A. Anitha Lakshmi “KBE Approach Towards design Automation of Francis Turbine Spiral Casing” published in proceedings of ICMPC-2013 International Journal of Advanced Material Manufacturing and Characterization” ISSN 2277-3886 volume 3, Issue 1 march 2013.



**Mr. L. KIRAN KUMAR,** Assistant Professor of MECH Dept. (ID-1234)

**Qualifications :** M.S (THERMALSCIENCES) (University of Arkansas, Fayetteville) (2006) **B.Tech** (Mechanical Engineering) (Nagarjuna University- Guntur, 2002)

**Experience:** 06 years

**Research Interest:** Refrigeration & Air Conditioning, Cryogenics

**Journal Publications/ Conference Proceedings:** 01

**Journal publications:**

1. INTERNATIONAL JOURNAL: Paper titled TO EVALUATE THE ENERGY PROFILES OF A UNIVERSITY AIR CONDITIONED BUILDING Published by begell house Inc. (impact factor 0.4)





**Mr. D.ESWARAIAH** Assistant professor of  
MECH Dept. (ID-817)

**Qualifications:** M.Tech (THERMAL ENGG) (JNTU-  
Hyderabad, 2010) B.Tech (Mechanical Engineering)  
(ANU-Guntur-2007)

**Experience:** 5 years

**Research Interest:** Heat Transfer, CFD

**Journal Publications/ Conference Proceedings: 02**

**International Journal:**

1. Mr. D.ESWARAIAH "NUMERICAL INVESTIGATION ON AUGMENTATION OF HEAT TRANSFER IN OIL COOLERS" in International Journal Of Engineering Research And Technology (ISSN: 2278-0181) Volume1 issue7 (September-2012).

**International Conference:**

1. **Mr. D.ESWARAIAH** "NUMERICAL INVESTIGATION ON AUGMENTATION OF HEAT TRANSFER IN OIL COOLERS" in International Conference Materials Processing And Characterization 2012.



**Mr.K.RATNA BABU** Asst Professor of Mech  
Engg Dept ( ID-1095)

**Qualification:** M.Tech (ADVANCED MANUFACTURING  
SYSTEMS) (JNTU-Hyderabad, 2010) B.Tech (Mechanical  
Engineering) (JNTU Hyderabad-2005)

**Experience:** 7 years

**Research Interest:** Machine Design Analysis

**Journal Publications/Conference proceedings: 01**

**National conference:**

1. Mr.K.RATNA BABU Evaluation Of Salt Bath Nitrided Austenitic Stainless Steel Specimens At Low Temperature (MAR 2015) , NATIONAL CONFERENCE ON FAST EMERGING ENGINEERING AND TECHNOLOGY, at BIET, HYDERBAD.



**Mrs. TANYA BUDDI**, Assistant Professor of  
MECH Dept. (ID-947)

**Qualifications:** Pursuing Ph.D. Mechanical Engineering, KL University, Registered in 2014 **M.Tech:** Machine Design, JNTUK, 2012 **B.Tech:** Mechanical Engineering, JNTUK - 2009

**Experience:** 03 years

**Research Interest:** Wood based bio composites

**Journal Publications/ Conference Proceedings:** 02

**International Journal:**

1. "A numerical study on frequency response of a micro cantilever with a nano indenter" **International Journal of Nanotechnology and Applications (IJNA)** Volume 5, Number 2, pp.139-149, 2011.

**International Conference:**

1. "A Review of Adhesives in the Manufacturing of Biocomposites used in Construction" International Conference PFAM XXIII organized during 5-7 Dec 2014 at IIT Roorkee.



**Mr. K.SIVA SATYA MOHAN**, ASSISTANT  
PROFESSOR of MECH Dept. (ID-1091)

**Qualifications :** Pursuing Ph.D (Mechanical Engineering) (AU- VISAKHAPATNAM, Registered in 2010), **M.Tech** (ENERGY SYSTEMS) (JNTU- Hyderabad, 2005) **B.Tech** (Production Engineering) (ANU- Guntur,2002)

**Experience:** 11 years

**Research Interest:** Heat Transfer, CFD

**Journal Publications/ Conference Proceedings:** 02 /02

**Journal publications:**

1. **INTERNATIONAL JOURNAL:** Paper titled An Experimental Investigation On Diesel Engine With Palestrina-Diesel Blends At Different Injection Pressures in International Journal of Engineering Research and Technology, volume2, issue 4, april2003.



2. **INTERNATIONAL JOURNAL:** Paper titled “Periodic simulation Heat Transfer using CFD” in International Journal of Engineering Research and Technology, Vol. 2 Issue 12, December – 2013.
3. **INTERNATIONAL JOURNAL:** Paper titled “Analysis of Jet Impingement heat transfer using CFD” communicated in International Journal of Advanced Science and Technology, Scopus Indexed Journal will publish soon

**International publications:**

1. **NATIONAL CONFERENCE:** Paper titled “ An Experimental Investigation On Diesel Engine With Palmstearin-Diesel Blends At Different Injection Pressures” presented in National Conference in GITAM UNIVERSITY, Hyderabad.
2. **NATIONAL CONFERENCE:** Paper titled “PERFORMANCE EVALUATION OF OSCILLATING COMBUSTION IN FUEL FIRED FURNACE” Proceedings of National Conference on Advances in Mechanical Engineering, NCAME 2014, 24-25 Jan’2014 ISBN-13/978-81-923800-0-1
3. **NATIONAL CONFERENCE:** Paper titled Analysis of Jet Impingement Heat Transfer Using CFD Proceedings of National Conference by Industry Institute Interaction under TEQIP-II conducting by Cambridge Institute of Technology, Mechanical Engineering, Ranchi, Jharkhand from July 10-11, 2015



**Mrs. SANDURU BHANUTEJA**, Assistant Professor of MECH Dept. (ID-1180)

**Qualifications:** M.Tech: THERMAL ENGINEERING, JNTUK, 2014  
B.Tech: Mechanical Engineering, GMRIT, Rajam – 2011

**Experience:** 03 years

**Research Interest :** Vortex technology, Heat transfer characteristics

**Journal Publications/ Conference Proceedings: 02**

**International Journals:**

1. “Thermal Performance and Flow analysis of nanofluids in a Shell and Tube Heat Exchanger published in *IJMET* Volume 4- Issue 5 September-October 2013.
2. Effect of Pressure drop on Performance of a Shell and Tube Heat Exchanger using nanofluids published in *IJRSAT* Volume 3- Issue 1 Jan-Feb 2014.



**Mr. PAGIDIPALLI PRAVEEN** ASST PROFESSOR  
OF MECH ENGG Dept. (ID-1351)

**Qualification:** M.Tech (ADVANCED MANUFACTURING SYSTEMS) (JNTU-Hyderabad, 2014) B.Tech (Mechanical Engineering) (JNTU Hyderabad-2011)

**Experience:** 2+ years

**Research Interest:** Manufacturing, Automation Robotics Technics in Manufacturing.

**Journal Publications/Conference proceedings: 01.**

**International journal published:**

- 1) International Journal paper Titled "GEOMETRICAL OPTIMIZATION AND EVALUATION OF ALLOY WHEEL FOR FOUR WHEELER".

**Workshops attended:**

- 1) 2 Days ISTE workshop on AAKASH for education in NOV-2012.
- 2) 2 Weeks ISTE STTP on ENVIRONMENTAL STUDIES JUN-2015



**Mr. M.PRABHU TEJA**, Assistant Professor of  
MECH Dept. (ID-1342)

**Qualifications:** M.Tech: Machine Design, JNTUH, 2014  
B.Tech: Mechanical Engineering, ANU – 2010

**Experience:** 2 years

**Research Interest:** Material Sciences, Design Engineering

**Journal Publications/ Conference Proceedings: 01**

**International Journal:**

1. Modelling studies on Al-Mg-Si Alloy – Computational Solid Mechanics Approach, IJSER Volume 5 Issue 9 September 2014 Edition.



**Mr. J.PAVANU SAI**, Assistant Professor of MECH  
Dept. (ID-1343)

**Qualifications :** B.Tech (Mechanical), Prasad.V.Potluri Siddhartha institute of technology (Autonomous)-JNTUK University (2012), M.Tech (Thermal Engineering ) Aditya Institute of Technology and Management, Tekkali (JNTUK Affiliated) (Autonomous) (2014).

**Experience:** 3 years

**Research Interest:** Thermal Analysis of Composite materials.

**Journal Publications/Conference Proceedings:1**

**Journal PublicationsInternational Publications:**

1. J. Pavanu Sai, A. Srinivasa Rao, Dr. N. Hari Babu, "Experimental Investigation of Effect of Aluminum Filler Material on Thermal Properties of Palmyra Fiber Reinforced Composite" Vol. 4 - Issue 12 (December - 2014), International Journal of Engineering Research and Applications (IJERA) , ISSN: 2248-9622 , www.ijera.com



**M. Damodara Rao** (ID-1349) Assistant Professor,  
Department of Mechanical Engineering.

**Qualifications:** M. Tech. – Fluids and Thermal Sciences IIT Guwahati, B. Tech. - Mechanical Engineering (JNTU Hyderabad)

**Experience:** 7 Years

**Research Interest:** CFD Analysis of Compressible fluids

# DEPARTMENT OF MANAGEMENT STUDIES

## INTRODUCTION

The management programme (MBA) is the flagship program of the institute; it was instigated in the year 2006, with an intake of 60 and in 2011 the intake was raised to 120. The focus of the MBA curriculum is on developing a learning manager who is able to adapt to the fast changing world around him/her, without losing sight of the underlying values and ethos that drive the world. The curriculum places great emphasis on the ability of the student to bring to bear an integrated view on managerial problems on his/her ability to apply and learn in live situations.

The core strength of the MBA Programme is the extensive coverage in the field of specialization along with exposure to a wide array of quantitative and qualitative analysis tools. These Programmes are aimed at broadening the outlook and strengthening the skills of participating professionals to prepare them for a dynamic and constantly changing work environment. GRIET's hallmark is its strong focus on strategic thinking, thought leadership and key disciplinary skills necessary to operate in today's dynamic and challenging global environment. With a culture of academic and practical excellence. GRIET-Department of Management Studies has an excellent infrastructure for academic, sports activities and relaxation. Its state-of-the-art infrastructure serves every conceivable need of the student. Department of management studies offers its students a dual advantage of well-equipped campus of GRIET and the



customized facilities tailored to the needs of the Management students. The GRIET campus includes a main computer center, main auditorium, conference and seminar halls, and canteen.

Teaching methodology at GRIET, in the Department Of Management Studies, include lectures, seminars, business games, simulation exercise, mini-projects and field visits incorporating formal and informal group dynamics. The regular features of the same also include a curriculum, which boasts exhaustive case studies and challenging role-plays, thereby enhancing in depth knowledge in a specific field with excellent communication skills.

The off-campus workshops held by the Department Of Management Studies academia along with compulsory mini projects help the students in gaining insights into the realities of the business world.

## Doctorates in DMS

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1.	Dr. P.B. APPARAO	1986	15
2.	Dr. Y.R.K.Prasad	2012	5/14
3.	Dr.M.S.R.SeshaGiri	2012	5/15
4.	Dr. D. Indira	2013	3

## Research Projects/FDP's/Seminar Grants/Sanctioned

S.No	Name of the Faculty	Title	Name of the Funding Agency	Amount in Lakhs	Year
1.	Dr. D. Masthan	National Seminar on Developing Research Skills in Management Scholars	AICTE	75,000	2009
2.	Dr. P B AppaRao	SDP on Developing Research Skills in Management Scholars	AICTE	7,00,000	2012
3.	Dr.Y. Rama Krishna Prasad	International Conference on Consumer Dynamics and Marketing Strategies in a Globalized Economic Era	AICTE	2,00,000	2013

## FACULTY AND THEIR PUBLICATIONS :



**Babujee Apparao Punaty, Professor (ID-902)**

**Qualification:** Ph.D (Sri Krishnadevaraya University, Anantapur, 1986), M.Com (Andhra University, Visakhapatnam, 1969), B.Com (S.S. &N. College, Narasaraopet, 1967)

**Experience:** 45years; 5 Months

**Certifications:** Certificate Course in Computer Programming in BASIC, APPC, 1987.

### 1. Details of Research Work Done

- a) Ph. D.: "Personnel Problems in Small Scale Industry with Particular Reference to Kurnool District".
- b) Research Studies:
  - i. Absenteeism – A Study
  - ii. Entrepreneurial Development Programme

### Research Projects:

- a) **Principal Investigator** of a minor research project sanctioned by the UGC entitled "Personnel Problems in Small Scale Industry".
- b) Associated with a Major Research Project Sanctioned by the ICSSR entitled "Nature and Extent of Absenteeism in Small Scale Industry" in the capacity of **Joint Director**.
- c) Associated with the NIBM All India Research Project on Savings and Deposit Patterns in the capacity of **Field Controller**.
- d) Associated with a Major Research Project Sanctioned by the Government of India entitled "Leadership among Tribals" in the capacity of **Assistant Director**.
- e) **Principal Investigator** of a Major Research Project sanctioned by the UGC, entitled "Small Scale Industrial Entrepreneurship in Rayalaseema".
- f) **Principal Investigator** of a Major Research Project, sanctioned by the UGC, entitled "Management of Poverty Alleviation Programmes".

### Books Published: 8

1. **Consumer Dynamics and Marketing Strategies in a Globalized Economic Era \_ Perspectives and Challenges**, Collection of Articles, (Co-Editor), Published by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad. ISBN 978-81-928677-0-0





2. **Social Welfare and Inclusive Growth and Development with Special Reference to India**, Book of Readings, (Co-Editor), Published by Sri Ramakrishna P.G.College, Nandyal, 2012.
3. **Microfinance and Poverty Alleviation**, Book of Readings, (Co-Editor), Published by Sri Ramakrishna P.G. College, Nandyal, 2010.
4. **Human Resources Management Text and Cases** (a text book in Telugu), Kalyani Publishers, Hyderabad, 1999 (Co-author).
5. **Research Methodology and Statistical Measures**, Reliance Publishing House, New Delhi (Co-author), 1995.
6. **Organisational Health**, Discovery Publishing House, New Delhi, 1990 (Co-author).
7. **Absenteeism in Industry**, Deep and Deep Publications, New Delhi, 1989 (Co-author).
8. **Personnel Management in Small Scale Industries**, Deep and Deep Publications, New Delhi, 1988.
9. **International Human Resource Management**, A Teaching Manual, Published by GRIET, 2013-14.
10. **Strategic Management**, A Teaching Manual, Published by GRIET, Hyderabad, 2013

#### Journal publications/conference Proceedings

1. **Apparao, P.B., (Dec. 2011 to June 2015)**, Editorials, *Management Today*, Vol.1, No.1 to Vol. 5, .No.2. So far for 15 issues.
2. **Raju, K.V.S., and Apparao, P. B., (2012)**. Select Bibliography on Leadership and Leadership Development (S-Z). *Management Today*, Vol.2, No.4, pp.
3. **Raju, K.V.S., and Apparao, P. B., (2012)**. Select Bibliography on Leadership and Leadership Development (M-R). *Management Today*, Vol.2, No.3, pp.
4. **Raju, K.V.S., and Apparao, P. B., (2012)**. Select Bibliography on Leadership and Leadership Development (A-L). *Management Today*, Vol.2, No.2, pp.
5. **Apparao, P.B., (Co-Author)**, "Human Resource Interventions for Micro-Finance: Certain Issues and Concerns", in *Microfinance and Poverty Alleviation* (Eds) G.Rama Krishna Reddy, P.B.Apparao, and M.Rama Subba Reddy, Sri Ramakrishna Degree and PG College, Nandyal, pp.145-157, 2010.
6. **Apparao, P.B., (Co-Author)**, "Financial Inclusion – A Micro Finance Initiative for Poverty Alleviation and Economic Development", in *Microfinance and Poverty Alleviation* (Eds) G.Rama Krishna Reddy, P.B.Apparao, and M.Rama Subba Reddy, Sri Ramakrishna Degree and PG College, Nandyal, pp.89-98, 2010.



7. **Apparao, P.B.**, (Co-Author), “Human Resource Interventions for Micro-Finance: Certain Issues and Concerns”, in *Microfinance and Poverty Alleviation* (Eds) G.Rama Krishna Reddy, P.B.Apparao, and M.Rama Subba Reddy, Sri Ramakrishna Degree and PG College, Nandyal, pp.145-157, 2010.
8. **Apparao, P.B.**, (Co-Author), “Financial Inclusion – A Micro Finance Initiative for Poverty Alleviation and Economic Development”, in *Microfinance and Poverty Alleviation* (Eds) G.Rama Krishna Reddy, P.B.Apparao, and M.Rama Subba Reddy, Sri Ramakrishna Degree and PG College, Nandyal, pp.89-98, 2010.
9. **Apparao, P.B.**, (Co-Author), “Microfinance and Poverty Alleviation”, in *Microfinance and Poverty Alleviation* (Eds) G.Rama Krishna Reddy, P.B.Apparao, and M.Rama Subba Reddy, Sri Ramakrishna Degree and PG College, Nandyal, pp.1-10, 2010.
10. **Apparao, P.B.**, (Co-Author), “Microfinance and Poverty Alleviation”, in *Microfinance and Poverty Alleviation* (Eds) G.Rama Krishna Reddy, P.B.Apparao, and M.Rama Subba Reddy, Sri Ramakrishna Degree and PG College, Nandyal, pp.1-10, 2010.
11. “Human Resource Information Systems”, in *Human Resources Management Strategic Changes* (Ed.) G.Narasimha Murthy, N.Hanumantha Rao, V.V.S.Sarma, and P.Indrasena Reddy, New Century Publications, New Delhi, September 2008, pp.220-246.
12. “Impact of Economic Reforms on Banking Industry”, *The Executive*, Vol.1, Issue: 1, Jan-June, 2002. Pp.36-43.
13. “Impact of E-Commerce and Internet on Accounting Education, Profession and Practice”, in *Challenges Before Business Education in India*, Edited by S.S. Hugar, Atlantic Publishers and Distributors, New Delhi, 2001, pp.358-369.
14. “Perspectives of Entrepreneurship Education and Training”, (Co-author), in *Challenges Before Business Education in India*, Edited by S.S. Hugar, Atlantic Publishers and Distributors, New Delhi, 2001, pp.39-50.
15. “Human Resource Management – Challenges Ahead”, *Human Resource Management in the New Millennium*, Ed. By P.Subba Rao, Himalaya Publishing House, Bombay.
16. “Credit Rating” in *Financial Services* (Ed.), Delta Publishers, Hyderabad, 1997.
17. “Ethical Attitudes of Small Scale Entrepreneurs” *SEDME*, 1991.
18. “Employer-Employee Relations”, *Financial Express*, 3 December 1989.
19. “A Fresh Look at Sickness”, *Financial Express*, April 12, 1989. p. 11.



20. "Labour Intensity in Small Industry", *Financial Express*, March 10, 1989, p.6.
21. "Sickness in Small Industry in Andhra Pradesh", *Decision*, Vol. 15, Nos. 3 & 4, July-October, 1988, pp. 235-245.
22. "Apparent and Real causes of Sickness in the Small Scale Industry" in *Sickness in Small Industry*, (ed.) T.S.Reddy and L.V.Reddy, Himalaya Publishing House, New Delhi, 1988, pp. 3-18.
23. "Human Resource Accounting" (in Telugu), *Telugu*, May 1988, pp. 39-43.
24. "Incentives to Small Industry", *Financial Express*, Madras, Sunday, April 24, 1988, p.6.
25. "Training Practices in Small Industry", *SEDME*, Vol. XV, No.1, March 1988, pp. 29-39.
26. "Sickness in Small Industry - Two Case Studies", pp. 142-153, in *Sickness in Small Scale Industries*, (ed.) K.C. Reddy, Ashish Publishing House, New Delhi, 1988.
27. "Absenteeism in Small Industry", *The Manager*, Vol. 10, 1985-87, pp.18-35.
28. "Entrepreneurial Development Programme", *Financial Express*, Bombay, Wednesday, September 9, 1987, p.4.
29. "Review of Literature on Labour in Small Industry", *Southern Economist*, June 15, 1987, pp. 21-22.
30. "Absenteeism - A study of Attitudinal Differences" - Published in *The Economic Times*, 15 January 1987.
31. "A Survey of Literature Pertaining to Entrepreneurship in Small Industry", *The Indian Journal of Commerce*, Vol.XXXIX, Part 4, No.149, October-December, 1986, pp.1-7.
32. "Consequences of Unionization in Small Industry" - Published in *Indian Management*, October 1986, pp.54-56.
33. "Unionization in Small Industry with Special Reference to Kurnool District, published in *SEDME*, Vol.XIII, March-June, 1986, pp.1-11.
34. "Silver Jubilee Government College Admissions – A Perusal" and "An Educational Experiment, Which does not click," were published in the Silver Jubilee Government College Magazine in two different Numbers.
35. A Paper entitled "NCC and Adventure Training" presented at Seminar organized by 28(A) BN NCC in November, 1984 was published in 37th *Anniversary Souvenir*; National Cadet Corps, NCC Directorate, A. P.



## Chapters Contributed

1. Member of Course Design and Preparation Team, Dr. B. R. Ambedkar Open University, Hyderabad and contributed a chapter MBA –14 Project Evaluation & Management.
2. “Human Resource Accounting”, pp.719-726, in P. Subba Rao, *Essentials of Human Resource Management and Industrial Relations Text Cases and Games*, Himalaya Publishing House, Mumbai, 1999.
3. “E-Commerce”, in *Business Policy and Planning*, by C.B. Memoria and P.Subba Rao, Himalaya Publishing House, Bombay, in Print.
4. Contributed two lessons relating to Cost and Management Accounting for M.Com., students of Centre for Distance Education, S.K.University.
5. Contributed two lessons Human Resource Management to M.Com. Students of Centre for Distance Education, S.K.University, Anantapur.
6. Contributed a lesson on Regional Rural Banks, to B.Com. Students of Dr. B.R.Ambedkar University, Hyderabad.
7. Contributed five units on Organisation Theory and Behaviour to M.Com. students of Dr. B.R.Ambedkar Open University, Hyderabad.
8. Contributed five lessons on Organisation Theory and Behaviour to M.B.A. students of Karnataka State Open University, Mysore.
9. Contributed five units on Human Resource Management to M.Com. Students of Dr. B.R.Ambedkar Open University, Hyderabad.

## Research Guidance

### Ph. Ds Awarded – 12; Under Progress -1.

1. “Performance Evaluation of the Programmes of District Scheduled Castes Cooperative Society” May 2011
2. “Financial Management in Small Scale Enterprises with Particular Reference to Anantapur District” – May 2009.
3. “A Study on Quality of Work Life and Employee Commitment in SCCL” – 2008
4. “Poverty Alleviation through Self-Help Groups in Anantapur District of Andhra Pradesh” – January 2008.
5. “Child Labour in Urban Informal Sector” – August 2007
6. “Rural Entrepreneurship” - 2000
7. “Small Scale Industrial Entrepreneurship in Rayalaseema Region”– February 1999.



8. "Faculty Job Satisfaction and Their Views on Management - Study of Two Universities in Andhra Pradesh" - *April 1997.*
9. "Child Labour in Two-Wheeler Repair Workshops in Unorganized Sector: With Special Reference to Anantapur District" – *November 1996.*
10. "Human Resource Development in Banks (A Comparative Study of the HRD Philosophy Practices and Outcomes in Public and Private Sector Banks)" – *August 1996.*
11. "Labour problems in Beedi Industry in Kurnool District" – *March 1994.*
12. "Labour Welfare and Social Security in Mining Industry (A Comparative Study of the Select Public and Private Sector Mining Units)" – *August 1992.*

**M. Phils Awarded - 12**

1. A Study of Fund Selection Behaviour of Individual Investors Towards Mutual Funds with Reference to Mumbai City (Submitted to the Department of Commerce, Directorate of Distance Education, Madurai Kamaraj University, Madurai), February, 2005.
2. Child Labour in Construction Industry – July 2003.
3. Performance of Regional Rural Banks (with Special Emphasis on the Impact of Liberalization on the Lending Pattern of Sree Anantha Grameena Bank) – *December 1997.*
4. Accounting and Financial Control in the University Hostels – A Study of Sri Krishnadevaraya University Hostels – *January 1997.*
5. Human Resource Development in the Selected Cotton Textiles Industrial Units in Kurnool District – *January 1996.*
6. Socio–Economic Study of Auto–Rickshaw Drivers in Bangalore City – *June 1995.*
7. Job Satisfaction in a Non – Profit Organisation – A Case Study of Sri Krishnadevaraya University – *October 1994.*
8. Innovation and Entrepreneurship in Manufacturing Sector – A Case Study of Anantapur District – *August 1994.*
9. Working of Employees State Insurance Scheme in Kurnool District – *February 1993.*
10. Training and Development in Public Sector Undertakings (A Case Study of the APSRTC, Kurnool District) – *June 1992.*
11. Ethical Attitudes of the Small Scale Entrepreneurs - *November 1989.*

12. Personnel Management in Public Sector Undertakings – A Case Study of Tungabhadra Steel Products Limited Tungabhadra Dam – Karnataka – August 1988.

#### IRPM Dissertations: 3

1. Human Resource Development in Banks with Special Reference to Syndicate Bank – March 1992.
2. Personnel Management in Banks – August 1992.
3. Training and Development in Regional Rural Banks with Special Reference to Three Regional Rural Banks – July 1991.



#### **Dr. K V S Raju, Professor (ID 432)**

**Qualifications:** Ph.D (Management) - JNTUH- Hyderabad,

**Experience:** 35 years

**Dr. K V S Raju** is a post graduate in Physics and Business Administration. He served Bank of Baroda in various capacities and worked in many departments of the Bank. He had experience in Cash Management, Credit Management, Recoveries, Planning, Asset Liability Management and Information Technology and Data Base Management. At the time of his resignation he was Sr. Manager Information Technology at the regional office of the Bank. During his tenure he computerized 15 branches. After Serving Bank of Baroda for 20 years he has opted for VRS in 2001 and joined Godavari Institute of Engineering and Technology, Rajahmundry in 2001 as Administrative Officer and Associate Professor. He was actively associated with setting up of a medical college at Amalapuram and 3 Engineering colleges at Rajahmundry, Kakinada and Visakhapatnam, 1 Pharmacy and 1 MCA College Rajahmundry. He joined GRIET as senior Admin Officer in Nov 2005 and was looking after the institutes set by the Gokaraju Rangaraju Educational Society. He was closely associated with introducing the MBA course in GRIET and was actively associated with Ganges Valley School. He was HOD of the MBA Dept. from 2009 to Jun 2013. His teaching interests include Managerial Economics and financial analysis and Management Science for B Tech. Management information systems and Organization structure and personnel management for MCA. He taught subjects like HRM, Entrepreneurship and good governance, Management of Change, Financial derivatives, Financial Institutions and Markets, Banking insurance Management, Research Methodology and Organizational Behavior. He received Ph.D from JNTUH on Leadership development in Banking.



### Journal publications

1. **Raju, K.V.S., and Apparao, P. B., (2012).** Select Bibliography on Leadership and Leadership Development (S-Z). *Management Today, Vol.2, No.4, pp.*
2. **Raju, K.V.S., and Apparao, P. B., (2012).** Select Bibliography on Leadership and Leadership Development (M-R). *Management Today, Vol.2, No.3, pp.*
3. **Raju, K.V.S., and Apparao, P. B., (2012).** Select Bibliography on Leadership and Leadership Development (A-L). *Management Today, Vol.2, No.2, pp.*
4. **K V S Raju (2011),** “A frame work for leadership development in public sector bank”, International journal of research in Commerce, Economics & Management, Vol.1, No.3, pp.5-10 (ISSN: 2232 -4245)
5. **K V S Raju (2010),** “ Impact of flexi-time (A work life balance practices) on employee stress reduction in IT- Sector – Indian Perspective” Journal of IEM institute of Business Management, Vol.2, pp.41-46 (ISSN: 0975 -5268)

### Conference Proceedings

1. Presented research paper titled “META Analysis on Leadership Development Practices” in International Conference on Leadership Development Practices, held on October 2012 at College of Business Administration, King Saudi University, Riyadh .
2. Presented research paper titled “Performance of Microfinance Institutions with Nationalized Banks In India - An Evaluation” in the National Seminar on Microfinance – Issues, Challenges and Policy Options in Emerging Economies (NSMF -2012) held on 17 -18 February, 2012, organized by the Department of Business Management, KRISHNA UNIVERSITY, Machilipatnam, AP.
3. Presented research paper titled “Leadership for Green Marketing” in National Seminar on Green Management, held on 2 April, 2011, organized by Hyderabad Business School, Gityam University, Hyderabad.
4. Presented research paper titled “Impact of flexi-time ( A work life balance practice ) on employee retention in the midst of the Global Crisis” in National Seminar on Managing In Uncertain Economic Era – Embracing held on 5- 7, November 2009, organized by University of Hyderabad, Hyderabad.



**Dr. Y. RAMA KRISHNA PRASAD,**

**Professor & Head of the Department (ID-465)**

**Qualifications:** Ph.D (Commerce and Management) (Acharya Nagarjuna University, Guntur), M.B.A (University of Madras, 1998) M.Com (Nagarjuna University, Guntur, 1996) B.Com (Andhra University, 1994).

**Experience:** 15 years

**Research interest:** Retailing; Consumer Behaviour; Customer Satisfaction and Loyalty; Customer Loyalty Programmes; Management and Organization Behavior, Marketing Management, Human Resource Management (Leadership Development, Performance Mgt.)

**Journal Publications/Conference Proceedings :** 15

**Books published:** 1

**Journal publications :** 2

**International publications :** 5

1. Dr. Y. Rama Krishna Prasad (2014), **“A Study on the Various Welfare Measures and Their Impact on Employee Satisfaction With Reference to Sugar Industry In India”** International Journal of Organizational Behaviour & Management Perspectives; Issn: 2279-0950 (Print).

**Impact Factor -2013: 5.071.**

2. Dr. Y. Rama Krishna Prasad (2013), **“A Study on the role of consumer service on consumer loyalty in Indian Grocery retailing,”** SUMEDHA Journal of Management (ISSN: 2277-6753), Vol.2, PP. 85 -101. Index Copernicus value 5.20 Impact Factor: 0.305 (From Global Impact Factor)
3. Dr. Y. Rama Krishna Prasad (2013), **“The effect of retail format attributes on retail format choice, consumers’ patronage behaviour in food and grocery retailing in India – A Study,”**South Asian Journal of Marketing & Management Research s (ISSN:2249-877X), Vol.3 – Issue: 8, PP. 126-149. Index Copernicus (ICV) - 5.05; ISRA - 2.015; GIF - 0.50
4. Dr. Y. Rama Krishna Prasad (2013), **“Effect of Shopper Characteristics in Choice of a Retail Format in Food and Grocery Retailing in India,”**International Journal of Management studies (ISSN:2230-9764), Vol.3, PP. 43-56.
5. Dr. Y. Rama Krishna Prasad (2012), **“A study on attributes influencing the purchasing behaviour of apparel consumers in organized outlets”** African





Journal of Business Management (ISSN 1193 -8233), Vol.6 (45), pp. 11294-11303.

6. **Dr. Y. Rama Krishna Prasad (2011), "A Study on the Effect of Shopping Motives in Store Patronage Behaviour in Food and Grocery Retailing - An Empirical Analysis,"** International Journal of Management studies (ISSN: 2230-9764), Vol.1, pp.43-56.

**RESEARCH PAPER PRESENTATIONS (INTERNATIONAL CONFERENCES/NATIONAL SEMINARS)**

Presented research paper titled "Effectiveness of Training and Development in the current economic era" in an International Conference on Recent Trends in Training & Development held on 6-7 February, 2014 organized by School of Management Studies, JNTUH, Hyderabad.

1. Presented research paper titled "Examining the Role of Consumers in-Store Shopping Experience as a Retailers Consumer Retention Strategy in Food and Grocery Retailing - A Comparative study" in the International Conference on Marketing Strategies in Globalized Economic Era- Perspectives & Challenges (ICCDMS -13) held on 29 -30 October, 2013, organized by DMS- GRIET, Hyderabad. (ISBN: 978-81-928677-0-0)
2. Presented research paper titled "Indian Retail Sector – Issues and Challenges" in National Seminar on Retailing in India held on September 2013, organized by School of Management Studies, JNTUH, Hyderabad, (ISBN: 978-93-5062-330-5).
3. Presented research paper titled "E- Business Models and the role of CRM in E- Business" in the 2<sup>nd</sup> International Conference on Advanced Computing Methodologies (ICACM -13) held on 02-03 August, 2013, organized by School of Computing –Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad
4. Presented research paper titled "Performance of Microfinance Institutions with Nationalized Banks In India - An Evaluation" in the National Seminar on Microfinance – Issues, Challenges and Policy Options in Emerging Economies (NSMF -2012) held on 17 -18 February, 2012, organized by the Department of Business Management, KRISHNA UNIVERSITY, Machilipatnam, AP.
5. Presented research paper titled "Effect of grocery loyalty programs on customer emotional loyalty in emerging retail markets: An empirical analysis" in International Conference in Marketing on Shaping the Future of Research in Marketing in Emerging Economies, held on 12-14 Jan 2012 at Indian Institute of Management Lucknow (IIML), Noida Campus, New Delhi in India.



6. Presented research paper titled “Role of Shopping Motivations in Store patronage Behaviour in Emerging Market: An Empirical Analysis” in International conference on Business Growth in Emerging Markets: Global Shifts and Local Effects held on 15-16 December 2011 at Institute of Public Enterprise (IPE) in association with EGADE Business School, Mexico, in Hyderabad, India.
7. Presented research paper titled “Impact of Green Marketing strategies on business performance and customer satisfaction” in National seminar on Green Management held on 02 Apr 2011 at Hyderabad Business School, GITAM University, Hyderabad, India.
8. Presented research paper titled “Effect of Cross Shopping Behaviour on Store Format Choice in Food and Grocery Retailing-An Empirical Analysis” in 4th IIMA Conference on Marketing in Emerging Economies held on 5-7 Jan 2011 at Indian Institute of Management, Ahmedabad (IIMA), India.
9. Presented research paper titled “A study on Consumer Patronage behavior decisions in Food & Grocery Retailing” in the **AICTE sponsored National Seminar on Developing Research Skills in Management Scholars**, held on 26-27 March, 2010 at DMS, GRIET, Hyderabad, India.
10. Presented research paper titled “Critical Factors of Viral Marketing in India-Perspectives and Challenges” in National Seminar on Innovations in the Rout to Win the Market held on 3-4 Dec, 2009 at Institute of Public Enterprise (IPE), Hyderabad, A.P, India.
11. Presented research paper titled “Price Promotion as Retail Strategy in an Uncertain Economic Era with Reference to Food and Grocery Retail in India” National Seminar on Managing in an uncertain Economic era - Embracing Change in a Service Economy held on 5-7 Nov, 2009 at School of Management Studies, Central University, Hyderabad, A.P, India.
12. Presented research paper titled “Handloom Industry In Indian – Problems and Strategies” National Seminar(UGC Sponsored ) on Challenges and Strategies of Handloom Industry held on 21-22 August, 2009 at PG Department of Management Studies, VRS&YRN College, Chirala, A.P, India.
13. Participated in the International Conference on Retailing in the Globalised era-Perspectives & Challenges, held on 10-12 Jan 2008 at School of Management Studies, Central University, Hyderabad, A.P, India.
14. Participated in the Visionary Leaders : Lecture Series II on Teaching OB and HR- New Perspectives by Dr. T.V.Rao, The father of Indian HRD on 20<sup>th</sup> November, 2010 at Aurora’s Business School, Hyderabad.

**Events Organized - International Conferences / National Seminars, SDP, Research, Consultancy**

1. Organized (Acted as Convener for) the AICTE Sponsored Two Day International Conference on “Consumer Dynamics and Marketing Strategies In A Globalized Economic Era” – Perspectives And Challenges on 29 -30 October, 2013in GRIET, Hyderabad.
2. Organized (Acted as Co-Convener for) the AICTE Sponsored Staff Development Programme on Developing Research Skills in Management Scholars from 02-16 May 2012, GRIET, Hyderabad.
3. Organized (Acted as Convener for)a National level Seminar on “Developing Research Skills in Management Scholars” Sponsored by AICTE in the Department of Management Studies, GRIET, Hyderabad in 26- 27 March, 2010.
4. Acted as a Co-convener for “Value added Services: Mobile Concrete Expert Lab Service (MCLS) of Ultra Tech Customer Awareness and Satisfaction level amongst Masons /Architects /Builders and Contractors from August 2009 to January -2010.



**Dr.M.S.R.Sesha Giri**, Professor (ID-962)

**Qualifications:** PhD (Commerce and Management) (Andhra University, Visakhapatnam), M.B.A (Andhra University, Visakhapatnam).

**Experience:** 18 years teaching and 2 Years Industrial.

**Journal Publications/Conference Proceedings:** 15

**Books published:** 2

**Research interest :** General Management/HR, Marketing Management, Operations management.

**Journal publications:**

**International Publications**

1. “An Empirical Study on Employee Views On Performance Monitoring, Coaching and Measurement” Published in International Journal of Social Science & Interdisciplinary Research (IJSSIR), Vol. 3 (10), OCTOBER (2014), pp: 144-153, ISSN 2277-3630 (Single Author).
2. “Bibliography on Performance Management” Published in Management Today Vol.4, No.3, July-September 2014, pp:44-48, ISSN: 2348-3989 (Single Author).



3. **“An Empirical Study on Employee views on Performance Management System”** Published in PEZZOTTAITE JOURNALS, Volume 3, Number 2, April – June’ 2014, ISSN (Print):2279-0950, (Online):2279-0969(Single Author).
4. **“FDI - As A Key Driver Of Economy - A Reality Check Opportunities & Challenges”** EDITED BY - D.HARRISON SUNIL , April 2014, ISBN 978 - 93 - 83231 - 27 - 9(1st Author)
5. **“Balanced score card A tool for effective Governance”** paper accepted for publication in BIFT Journal of International Management and Research, ISSN: 0975-1378.(1<sup>st</sup> Author)
6. **“Post feedback appraisal-A study of NTPC, Visakhapatnam”** paper published in BIFT Journal of International Management and Research, Volume-iv, No-1, July-September 2012,PP:49-54,ISSN: 0975-1378.(1<sup>st</sup> Author)
7. **“Feedback On Implementation Of Online Performance Management System - A Mini Mix Model”** Paper Published in International Journal of Research in Commerce, IT & Management Volume NO. 2 (2012), ISSUE NO. 4 (APRIL) ISSN: 2231(1<sup>st</sup> Author)
8. **“Service Quality in Cosmetic Industry”** a paper published in International Journal of Value Chain Management, Vol. 3, No. 4, 2009 - Switzerland. ISSN: 1741-5357, (2<sup>nd</sup> Author out of 3)

#### **National Journals**

1. **“Dynamics of Retail Markets”** paper published in the ICFAI University Journal of Services Marketing, Vol.VI no.3, September 2008, PP 18-28. ISSN: 09729224, (2<sup>nd</sup> Author out of 3).
9. **“LEGALIZATION AND MONITORING OF UNINHABITED REAL ESTATE WITH REFERENCE TO THE CITY OF HYDERABAD”** published in Managing Business in Changing Economic Scenario Edited by – Dr.P.Pinakapani, March 2015, ISBN 978 - 93 - 83241 – 866 (Single Author)

#### **Book Publications**

1. Authored a Book on **“High Performance is key for organizational success”**, (A National seminar edited book), Excel Publishers. ISBN: 978-93-5062-198-1.
2. Authored a Book on **“consumer dynamics and Marketing strategies in the globalized economic era-Perspectives and Challenges”**, (An International conference edited book), GRIET Publishers. ISBN: 978-81-9286-77-0-0.



## **S.RAVINDRA CHARY,**

Associate Professor (ID-622)

**Qualifications :** MBA (Osmania University, 1996), MHRM (AcharyaNagarjuna University, Guntur, 2010), B.Sc (Osmania University, 1994) .

**Experience:** 15 years

**Conference Proceedings:** 1

**Research interest :** Financial Accounting and Analysis, Financial Management, Operations Research, Cost and Management Accounting, Security Analysis and Portfolio Management, Strategic Financial Management and Financial Derivatives.

**Conference Proceedings:**

**International Conferences:**

1. Presented a research paper titled “**A Study On Introduction To Customer Relationship Management**” in the International Conference on Marketing Strategies in Globalized Economic Era- Perspectives & Challenges (ICDMS -13) held on 29 -30 October, 2013, organized by DMS– GRIET, Hyderabad. (ISBN: 978-81-928677-0-0).
2. “Customer Relationship Management” published in Managing Business in Changing Economic Scenario Edited by – Dr.P.Pinakapani, March 2015, ISBN 978 - 93 - 83241 – 866 (First Author)



## **K.K Sunil Kumar, Associate Professor**(ID-176)

**Qualifications :** (Ph.D) (Management) (Acharya Nagarjuna University, Guntur), M.B.A (Osmania University, 1998, Hyderabad ) PGDCA ( JNTUH, Hyderabad 1996), B.Sc. (MPC), Osmania University, Hyderabad (1994).

**Experience:** 16 years

**Journal Publications/Conference Proceedings:** 4

**Research interest:** Marketing Management; Management Information Systems, Strategic Management, Managerial Economics, E-Commerce, Services Marketing, Consumer Behaviour, E-Commerce.

**Journal publications:**

**International Publications**



1. K K Sunil Kumar, "Green Cars – The Road Ahead", International Journal of Advanced Engineering & Management, IJAEMT.
2. K. K. Sunil Kumar, "Performance Evaluation of A Thermal Power Plant- Considerations For Questionnaire Survey International Journal of Entrepreneurship, Pezotatitte Journals

### Conference proceedings

#### International Conferences:

1. (K K Sunil Kumar) Presented a paper in the International Conference in Advanced Computing Methodologies" ICACM, organized by Department of IT, GRIET, Hyderabad.
2. Presented a paper on "Training and Development-Best Practices" in the International Conference on Training and Development, organized by JNTUH, Hyderabad on 6-7 Feb 2014.
3. Presented a paper in the AICTE Sponsored 2 day International Conference on "consumer dynamics and Marketing strategies in the globalized economic era-Perspectives and Challenges" during 29th and 30th of October 2013, organized by Department of Management studies, GRIET, Hyderabad.
4. Presented a paper on the "Organised Retailing" in the AICTE Sponsored 2 day International Conference on "consumer dynamics and Marketing strategies in the globalized economic era-Perspectives and Challenges" during 29th and 30th of October 2013, organized by Department of Management studies, GRIET, Hyderabad.

#### National Conferences:

1. Presented research paper titled "Indian Retail Sector – Issues and Challenges" in National Seminar on Retailing in India held on September 2013, organized by School of Management Studies, JNTUH, Hyderabad, (ISBN: 978-93-5062-330-5).



**Dr. D.Indira**, AssociateProfessor (ID-270)

**Qualifications** : Ph.D (Business Management,2013) (Ambedkar University, Hyderabad), **M.Phil in Business Management(2010)**, (AmbedkarUniversity,Hyderabad), **M.B.A** (Andhra University,1997).

**Experience** : 16 years

**JournalPublications/Conference Proceedings** : 9



**Research Interest :** ENTREPRENEURSHIP, CORPORATE FINANCE, MACRO AND MICRO ECONOMICS, INTERNATIONAL FINANCE, SECURITY ANALYSIS AND FINANCIAL MARKETS

**Consultancy works done for companies : 1**

Note : Worked as a Research Associate for the project titled &quot; A study on the Macro Economic Analysis of the Cement Industry&quot; funded by Maha Cements through the college, Sister Nivedita college of P.G studies, LakdiKa Pool, Hyderabad under the guidance and project director Prof.DiwakarRao, Ex Head of Department of Economics, University of Hyderabad

**Publications list**

1. “A study on the organizing of street hawking business” , Published in International journal of Management and Commerce Innovations,ISSN 2348-7585,Vol 2,Issue 1,pp(280-288), April 2014- Sept 2014
2. “Role of Informal sector in Indian Economy”, Published as Conference Proceedings, ISBN 978-81-928677- 0-0 , Septem,ber 2014
3. Food Crisis-Impact on India ( a study), E-publication, 20647, [http/ www.upublish.info.rssau,2008](http://www.upublish.info.rssau,2008)
4. ‘Financial Inclusion in India’, Conference proceedings, 2008
5. ‘Performance of Mutual Funds in India’, pp 50-57, Modern Management, Vol.XVIII No.2,2008
6. CAS: Pandora’s Box?, pp 17-23, Advertising Express, ISSN 0972-5326,2003

**Conference proceedings**

**International Conferences:**

1. Presented research paper titled “Strategic Issues relating to micro retailers with reference to street vendors” in the International Conference on Marketing Strategies in Globalized Economic Era- Perspectives & Challenges (ICCDMS -13) held on 29 -30 October, 2013, organized by DMS–GRIET, Hyderabad. (ISBN: 978-81- 928677-0- 0)

**National Conferences:**

1. Presented research paper titled “Microfinance on street vendors” in National Seminar on Microfinance – Issues, Challenges and Policy Options in Emerging Economies (NSMF - 2012) held on 17 -18 February, 2012, organized by the Department of Business Management, KRISHNA UNIVERSITY, Machilipatnam, AP.

2. Presented research paper titled “Emerging Trends in Marketing Concepts, HR Practices and Financial Systems” on 23 rd and 24 th October 2008, organised by A.V. College P.G.Centre



**K.SURYA NARAYANA**, Associate Professor,(ID-620)

**Qualifications:** (Ph.D) (Management) (Kakatiya University, Warangal), M.B.A (IGNOU,1996 ) M.Sc (Garhwal University, U.P, 1984) B.sc ( Andhra University, 1982)

**Experience :** 29 years (18 years Industrial, 11 years Teaching)

**JournalPublications:** 6

**Research interest :** Operations Management; Production and Operations Management; Management Informations Systems, Performance Management, Strategic Management,Logistics and Supply ChainManagement,Management of Industrial Relations.

**Journal Publications:**

**National Publications:**

1. K.Surya Narayana), “Opererations research for a public distribution system,Business Analyst’2009, Kakatiya University
2. K.Surya Narayana), “SEZ Approval Mechanism Department of Commerce and Business Management, Lal Bahadur College, Kakatiya University, Warangal
3. K.Surya Narayana), “Financial Sector Reforms in India Department of Commerce and Business Management,Lal Bahadur College,Kakatiya University,Warangal.
4. K.Surya Narayana), “Hassle Free Way to invest –A study on Birla Sun Life Mutual Fund Business Analyst,Department of Commerce and Business Management,Lal Bahadur College,Kakatiya University,Warangal.
5. “Marketing Automation”,Changing trends of Indian business,Growth perspectives and challenges,ISBN NO-978-81-924002-0-4,2015
6. Presented Paper”Customer Perception on Banking Services in Hyderabad” at one day national conference on” Managing business in changing economic scenario” held at AURORA PG College on 26<sup>th</sup> March,2015

**International Publications:**

1. K.Surya Narayana), “Performance Measurement of a Power Generating Organization,Usefulness of Value Added -A study of APGENCO Performance



International Journal of Financial Perspectives, Pezotatit Journals. (ISBN already give)

2. K.Surya Narayana), "Performance Evaluation Of A Thermal Power Plant- Considerations For Questionnaire Survey International Journal of Entrepreneurship, Pezotatit Journals (ISBN already given).



**Y. Gayathri**, Assistant Professor

**Qualifications :** MCom Ph.D (pursuing in centre for economics and social studies ), M.phil (Madurai Kamaraju University), M.B.A (JNTUH, 2012 )

**Experience :** 13 years (18 years Industrial, 11 years teaching)

**Research interest:** Financial Accounting and Analysis, Micro finance, Macro and micro economics, Cost and management accounting,

**National Publications:**

1. "SEZ Approval mechanism" Department of commerce and business management, Lal Bahadur College, Kakatiya University Warangal.
2. "Financial Sector Reforms in India" Department of commerce and business management, Lal Bahadur College, Kakatiya University Warangal.



**Roopa Dhirendra**,

Assistant Professor

**Qualifications :** M.B.A (Gulbarga University, Gulbarga Karnataka)

**Experience:** 6 years (1 years Industrial, 5 years teaching)

**Research interest:** Financial Accounting and Analysis, Human Resource Management.

**Conferences:**

**International Conference:**

1. "A Study on impact of Brand on Dynamic Consumer Buying decision towards HUL Commodities" in International Conference on Marketing Strategies in Globalised Economic Era- perspectives and challenges and challenges (ICCDMS-13) held on 29<sup>th</sup> -30<sup>th</sup> October 2013, organized by DMS GRIET Hyderabad (ISBN: 978-81-928677-0-0).

**National Conference:**

1. Presented paper on “promotional strategies to achieve Education Institution Goals through online social media networking with special reference to VTU Engineering Colleges of Bangalore”:A Conceptual perspective held on 29<sup>th</sup> may 2014 in K.S.College Bangalor.



**Mr.K.Venkateswara Raju** Assistant Professor

**Qualifications:**(PhD) (Management @KLUniversity), MBA (ICFAI University, 2010, Hyderabad), B.Pharmacy (Andhra University)

**Experience:**6 Years(Teaching)and 2Years(Industry)

**Journal Publications/Conference Proceedings:** 5

**Research Interest:**Marketing Management,Human Resource Management, Retail Sector, Services Marketing, Consumer Behavior, Brands

**Journal Publications:**

1. K.Venkateswara Raju, ELK Asia Pacific Journal of Marketing and Retail Management PERCEPTION OF UNORGANIZED RETAILERS TOWARDS B2B WHOLESALERS -METRO AND BEST PRICE, Volume 5 Issue 1, January (2014), ISSN 0976-7193 (Print) ISSN 2349-2317 (Online), Impact Factor : 1.5 (JIF)
2. K.Venkateswara Raju, SAARANSH-RKG JOURNAL OF MANAGEMENT, Social Media Marketing And its Role in Enhancing a Brand’s Equity, Vol. 5,No. 2,JANUARY 2014,pp 64-76, ISSN:0975-4601.
3. K.Venkateswara Raju, Pravara Management Review(PMR), AN OVERVIEW OF PUBLIC PERCEPTION ABOUT THE SUITABILITY OF SOLAR POWER PANELS AS AN ALTERNATIVE ENERGY SOURCE IN ANDHRA PRADESH, PMR Vol-13, Issue-1 (Jan-June 2014), ISSN:0975-7201.
4. K.Venkateswara Raju, MITSOM KHOJ JOURNAL, BRAND AWARENESS, PERCEPTIONS, PREFERENCES AND LOYALTY ATTRIBUTES OF RAYMOND CUSTOMERS THAT MADE IT A LEADING APPAREL BRAND IN INDIA, Vol. 1 , Issue. 1 , June 2013-Dec 2014, ISSN: 0975 – 2285,
5. K.Venkateswara Raju, OPUS-Annual HR Journal 2014, A STUDY ON WORK-LIFE BALANCE OF EMPLOYEES IN THE PRIVATE SECTOR BANKS AT VIJAYAWADA, Vol. 5, Issue. 1, Jan 2014, ISSN Number: 0973-9866.
6. K.Venkateswara Raju, MAIMT - Journal of IT & Management, AN OVERVIEW OF BRAND LOYALTY AND ITS IMPACT ON PURCHASE DECISION MAKING WITH



REFERENCE TO SAMSUNG ELECTRONICS CUSTOMERS, Vol.8, Issue 1, October 2014, ISSN:0974-066X.

7. K.Venkateswara Raju, ASBM Journal of Management, A Study on Perceptions of Telecom Subscribers towards Adoption of 3G Services in Andhra Pradesh VOL. 7, ISSUE 2, JULY, 2014, ISSN 0974-8512.
8. K.Venkateswara Raju, NAVASIDDHANT JOURNAL OF MANAGEMENT, ENTREPRENEURSHIP AND ETHICS, A STUDY ON IMPACT OF VISUAL MERCHANDISING AT RETAIL MALLS IN ANDHRA PRADESH, VOL. 2, ISSUE 2, JULY, 2014, ISSN:2320-2017.
9. K.Venkateswara Raju, MANAGEMENT INSIGHT-SMS VARANASI, CONSUMER AWARENESS AND PERCEPTION OF WOMEN TOWARDS LAKME PRODUCTS IN ANDHRA PRADESH, Vol-10, Issue-2; Decemeber-2014, ISSN:0973-936X.
10. K.Venkateswara Raju, MERI- Journal of management and IT, BRAND SWITCHING AND CONSUMER PREFERENCES TOWARDS SOFT DRINKS IN ANDHRA PRADESH, Vol-8 Issue 2, October 2014, ISSN: 0974-2093,
11. K.Venkateswara Raju, INTERNATIONAL JOURNAL OF APPLIED SERVICES MARKETING PERSPECTIVES, A STUDY ON IMPACT OF ADVERTISEMENTS ON CONSUMPTION OF AERATED BEVERAGES, Vol.3, No 3 (2014): July – September, ISSN: 2279-0977 (PRINT), ISSN: 2279-0985 (ONLINE).
12. K.Venkateswara Raju, Research Directions, A STUDY ON CHALLENGES FACED BY ONLINE SHOPPERS IN HYDERABAD, Vol.2, Issue 3, Sept 2014, ISSN No: 2321-5488.
13. Research Dimensions, A STUDY ON IMPACT OF NUTRITIONAL LABELING AND PACKAGING ON CONSUMER BUYING BEHAVIOUR, Vol.2, Issue 7, July 2014, ISSN:-2249-3867.
14. Sansmaran Research Journal, A STUDY ON PRICING STRATEGIES OF DIFFERENT HOTELS IN VIJAYAWADA AND THEIR IMPACT ON THEIR VISITORS PERCEPTIONS, Vol. 4, Issue No. 2, December 2014, ISSN 2278-7801.

**Conference Proceedings:**

1. Presented a paper on “STUDY ON CUSTOMER SATISFACTION AND CUSTOMER RETENTION LEVELS AT SHOPPERS STOP” on 26th March, 2015 at AURORA, Hyderabad CONFERENCE- Managing Business in changing Economic Scenario, ISBN: 978-93-83241-86-6

# DEPARTMENT OF MASTER OF COMPUTER APPLICATION

## INTRODUCTION

Department of Master of computer Application was established in the year 2001.It conducts MCA Programme. The Department has several well-equipped laboratories namely; Object oriented programming Lab, DBMS & Data Warehousing Lab and Research Lab. The Department has been accredited by NBA from 04.05.2007.The Primary emphasis in MCA is on development of application software in diverse areas rather than designing computer hardware and systems software which is of interest to engineering stream in computer education.

## Doctorates in MCA

S.No	Name of the Faculty	Degree Awarded	No. of Publications (journals/ conferences)
1	Dr. Sk Altaf Hussain Basha	2013	24



**Dr. Sk Altaf Hussain Basha**, Professor and Head of Department of MCA (ID-634)

**Qualifications:** Ph.D (Computer Science and Engineering) (ANU, Guntur, 2013), M.Tech (Computer Science and Engineering) (JNTU, Hyderabad, 2008), M.Sc (Computer Science) (ANU, Guntur, 1999) AMIE, Institute of Engineers, Kolkata, India, 2015

**Experience:** 15 years (Teaching), 1 Year (Industry)

**Research Interest:** Data Mining and Data warehousing, Data Base Management, Information Retrieval System, Educational Data Mining

**No. of Journal Publications/Conference Proceeding:** 24

**No. of Books Published:** 1

1. Sk Althaf Hussain Basha "Computer Fundamentals for Beginners", APTECH Education Publications, 2005

**Certifications/Awards:** Received Pratibha Puraskaralu (Merit Award) -2013 from The Guntur Co-operative Urban Bank on 24<sup>th</sup> November 2013 at Guntur

**No. of Times Invited for Guest lecturers:** 8

#### Journal Publications

#### International Publications:

1. Sk Althaf Hussain Basha, P.M.Yohan, B Sasidhar, Syed Muneer, "Taxonomy of E-Learning Systems Problems With Data Mining Techniques – Review", ZENITH International Journal of Multidisciplinary Research (ZIJM), Vol.4, Issue No.10, October, pp.136-147, 2014, ISSN 2231-5780. (Impact Factor: 3.567)
2. Sk Althaf Hussain Basha, Praveen Kumar Gera, Katragadda Srinivas Rao, "Analyzing Education Data Through Association Rules: A Case Study", International Journal Of Advanced Trend In Computer Science And Engineering, Vol. 3, No. 1, pages: 161-166 (2014), ISSN 2278-309. (Special Issue Of ICETETS 2014, MRIET & WARSE).
3. Sk Althaf Hussain Basha, P M Yohan, B Sasidhar, A.Govardhan, " Automatic Named Entity Identification and Classification using Heuristic Based Approach for Telugu", IJCSI(International Journal of Computer Science Issues), Volume 10, Issue 6, November 2013, ISSN: 1694-0814. (Impact Factor: 0.242)



4. Sk Althaf Hussain Basha, P M Yohan, B Sasidhar, A.Govardhan, " Automatic Named Entity Identification and Classification using Heuristic Based Approach for Telugu", IJCSI(International Journal of Computer Science Issues), Volume 10, Issue 6, November 2013, ISSN: 1694-0814. (Impact Factor:0.242)
5. Sk Althaf Hussain Basha, Ch. Prakash, D. Mounika, G. Maheetha, "An Approach for Multi Instance Clustering of Student Academic Performance in Education Domain", IJJDWM Journal, Volume 3, Issue 1, pp.1-9, Feb.2013, ISSN: 2249-7161.(Impact Factor:0.675)
6. Sk Althaf Hussain Basha, Sd.Muneer, E.Srinivasa Reddy, I Ramesh Babu," Robust Watermarking Method For Any Images Based On Noise Density " International Journal of Advanced Computing(IJAC), Volume 4, Issue 3&4, 2012, pp.114-121, ISSN: 0975-7686
7. Sk Althaf Hussain Basha, A.Govardhan, Sd.Muneer, V.Uday Kumar " Generate Eligible Students using Decision Trees-A Frame work for Employee Ability" International Journal of Advanced Computing(IJAC), Volume 4, Issue 2, 2012, pp.68-76, ISSN: 0975-7686.
8. Sk Althaf Hussain Basha, , A.Govardhan ,Y.R.Ramesh Kumar , Mohd. Zaheer Ahmed, "Predicting Student Academic Performance Using Temporal Association Mining" International Journal of Information Systems and Education (IJISE), Vol.2, No.1(2012), pp.21-41, ISSN: 2231-1262. (Impact Factor :0.21)
9. Sk Althaf Hussain Basha, , A.Govardhan ,Y.R.Ramesh Kumar , Mohd. Zaheer Ahmed, "Study of Education Patterns Using Association Mining" International Journal Data Warehousing(IJDW), Vol.3 ,No.2, 2011, pp. 53-64, ISSN: 0975-6124. (Impact Factor:0.412)
10. Sk Althaf Hussain Basha, A.Govardhan, "MICR: Multiple Instance Cluster Regression for Student Academic Performance in Higher Education", International Journal of Computer Applications(IJCA), Volume 14–No.4, 2011, pp.23-29, ISSN: 0975-8887 (Impact Factor : 0.821)
11. Sk Althaf Hussain Basha, A.Govardhan "A Comparative Analysis of Prediction Techniques for Predicting Graduate Rate of University" , European Journal of Scientific Research(EJSR) ,Vol.46 No.2, 2010, pp.186-193, ISSN No:1450-216X . (Impact Factor :0.783)
12. Sk. Althaf Hussain Basha, A.Govardhan "Rank Analysis Through Polyanalyst using Linear Regression" , International Journal of Computer Science and Network Security(IJCSNS), VOL.9 No.9, 2009, pp. 290-293, ISSN: 1738-7906. (Impact Factor:2.512)



## Conference Proceedings

### International Conferences:

1. Sk Althaf Hussain Basha, Naga Raju Devarakonda, Shaik Subhani, “ Outliers Detection in Regression Analysis using Partial Least Square Approach”, ICT and Critical Infrastructure : proceedings of the 48<sup>th</sup> Annual Convention of Computer Society of India- Springer, Vol II Advances in Intelligent Systems and Computing, Volume 249, pp. 125-135, Visakhapatnam, December 2013, ISBN: 978-3-319-03095-1.
2. Sk. Altaf Hussain Basha, Y Ramesh Kumar, Y Vijayalata, “ Predicting Student Academic Performance using Temporal Association Mining-A case Study on Educational Data “ , IEEE International Conference on Engineering for Humanity (ICEH-2013), Hyderabad, pp. 21-27, 2013, ISSN: 978-93-82880-53-0.
3. Sk. Altaf Hussain Basha, Y. Vijayalata, V. Anand , Donapati Srikanth, “ Study of Education patterns using Rare Association Mining-A case Study “ , IEEE International Conference on Engineering for Humanity (ICEH-2013), Hyderabad, pp. 53-61, 2013, ISSN: 978-93-82880-53-0.
4. Sk Althaf Hussain Basha, T Naveen Kumar , V. Anand , Donapati Srikanth, “Categorization of Academic Student Performance using Hybrid Techniques” International Conference on Advanced Computing Methodologies (ICACM-2013), Hyderabad, pp.325-330 , 2013
5. Sk. Altaf Hussain Basha, Y. Sri Lalitha, N. Sandhya, Dr. A. Govardhan “Web Usage Mining - A Survey” , IEEE International Advance Computing Conference (IACC 2009) , Thapar University , Patiala, 1684-1689, 2009, ISSN: 978-981-08-2465.
6. Sk. Altaf Hussain Basha, Dr. S. Viswanadha Raju, B. Shasidhar, Dr. Avinaya Babu, Dr. A. Govardhan “Parallel Algorithm for string Matching on 2D Liner Array with Reconfigurable pipelined Bus system”, International Conference on Advanced Computing Technologies (ICTACT 2008), GRIET, Hyderabad, 564-568, 2008, ISSN: 9788178003.
7. Sk. Altaf Hussain Basha, K. Venkat Subbaih, A. V. N. Sharma, Dr. G. V. S. Raju “Facilities Layout Optimization using Genetic Algorithm”, International Conference on Advanced Computing Technologies (ICTACT 2008), GRIET, Hyderabad, 32-36, 2008, ISSN: 9788178003.



**National conferences:**

1. Sk Althaf Hussain Basha, N Kartiek “ Forecasting the Academic Results of Students using Artificial Neural Networks” National Conference in modern. trends in Computer Science & Technogology (NCMTCSCCT2013), 2013,ISSN: 978-162776537-4.
2. Sk Althaf Hussain Basha, Y.R. Ramesh Kumar, D. Mounika, Y Vijayalatha, A. Govardhan, “ Study of Education Patterns using Rare Association Mining”, National Conference on Emerging Trends of Computing Technologies, ( NCECT2013), GRIET,Hyderabad,pp.93-103,2013.
3. Sk Althaf Hussain Basha, Y.Sri Lalitha, N.Sandhya, Dr. A.Govardhan “Web Usage Mining-Survey “, Published in proceeding of National Conference on “Soft Computing and Artificial Intelligence” (NCSCAI 2009) at Lingaya’s University, Faridabad,222-227,2009.
4. Sk.Althaf Hussain Basha, K.Srinivasa Rao “Planning, Forecasting and Inventing computers in Higher Education.” published in proceeding of UGC sponsored National Seminar on Food Security, nutrition and poverty in India, from 28-07-2004 to 29-07-2006 at Hindu College, Guntur.
5. Sk.Althaf Hussian Basha, S.Mohan Kumar “Computational tools for poverty measurement and analysis”, published in proceedings of UGC sponsored National Seminar on Quality in Higher Education and its outcome from 7-10-2004 to 8-10-2004 at Hindu College, Guntur

**Accepted Papers (In Print / Communicated to Publishers):**

1. Sk Althaf Hussain Basha, A.Govardhan ,Y.R.Ramesh Kumar “Comparison of different Data Mining Techniques in Prediction- A Case Study on Educational Data”, IJDEM Journal ( Accepted/Communicated to Publisher).
2. Sk Althaf Hussain Basha, D Sri Kanth Reddy, “Evaluation of Student Performance with Data Mining: An Application of Classification Algorithms, IJAC Publications, 2015. (Accepted and Communicated to Publisher)

**Citations-Publications:**

1. M. Reza Mashinchi, Ali Selamat, Suhaimi Ibrahim, Hamido Fujita, “Outlier elimination using granular box regression”, An International Journal on Information Fusion, Sciverse ScienceDirect,Elsevier, April 2015, PII: S1566-2535(15)00037-8.





2. K. Javubar Sathick, A. Jaya, "Extraction of Actionable Knowledge to Predict Students' Academic Performance using Data Mining Technique- An Experimental Study ", International Journal of Knowledge Based Computer System, Volume 1 Issue 1 June 2013, ISSN Number: 2321-5623
3. Prathivada Poornima, S. Suresh Babu, "Secured Collaborative Data Publishing and Searching", International Journal of Advanced Computing(IJAC),Vol.6, Issue 2, pp.51-57, April 2014, ISSN: 0975-7686.
4. Alaa Althubaiti, Mohammad Alkhazim, "Medical Colleges in Saudi Arabia: Can We Predict Graduate Numbers? ", Journal of Higher Education Studies(Canadian Center of Science and Education), Vol. 4, No. 3;pp.1-8, 2014,ISSN 1925-4741 E-ISSN 1925-475X.
5. M. Magila Priya, R. Augustian Issac, "Predicting Academic Performance of Failure and Dropout in Cost Sensitive Classification", International Journal of Advanced Computing (IJAC), Vol.6, Issue.1, January, 2014, ISSN: 0975-7686.
6. P. Ajith, R. Raja Sekhara Rao, "Role of Data Mining: A Technical Education Perspective", International Journal of Engineering Computer Science & Technology (IJECST), v0105, pp.01 – 05, 2012.
7. Saxena Prashant Sahai, Data Mining Techniques with Special Reference to Applications in Higher Education in Indian Perspective, INROADS- An International Journal of Jaipur National University, Volume : 2, Issue : 1, pp.26-31, 2013
8. Anita N Chaware, U. A. Lanjewar, "A Novel Educational Data mining Model to Attain Sustainability", International Journal of Advanced Research in Computer Science(IJARCS), Volume 5, No. 1, Jan-Feb 2014, pp.64-68, ISSN No. 0976-5697
9. Dr. A. R. Mohamed Shanavas, M. S. Mythili, D. Regina Margaret, "Performance Analysis of Under Graduate Students", CiiT International Journal of Data Mining and Knowledge Engineering, Vol 4, No 3, 2012, Print: ISSN 0974 – 9683 & Online: ISSN 0974 – 9578.
10. Swati Vitkar, Rekha Singh, "Framework to Study Impact of Environmental Parameters on Human Health Using GIS and Data Mining ", Journal of Computing Technologies(JCT), pp.33-37, 2012.
11. Raymond S. Bermudez, Joseph O. Manalang, Bobby D. Gerardo, Bartolome T. Tanguilig III, "Predicting Faculty Performance Using Regression Model in Data Mining", sera, Ninth International Conference on Software Engineering Research, Management and Applications, IEEE xplore, pp.68-72, 2011.



12. Chady El Moucary, "Data Mining for Engineering Schools Predicting Students' Performance and Enrollment in Masters Programs" , International Journal of Advanced Computer Science and Applications(IJACSA), Vol. 2, No. 10, pp.1-9, 2011.
13. J. Shana, T. Venkatachalam, "Identifying Key Performance Indicators and Predicting the Result from Student Data", International Journal of Computer Applications (IJCA),Vol. 25, No.9, pp.45-48, 2011.
14. Mazlan, E.M., Rahman, S., Ahmad, R., Kasbon, R, "Development of a manufacturing industry success rate analyzer using data mining technique", Information Technology (ITSim), International Symposium in, IEEE xplore, Malaysia, Volume: 2, pp. 1032 – 1036, 2010

**Ongoing Projects/Consultancies (UGC Grant Project) Accepted and Communicated):**

**Project Title: Study of Education Patterns in Rural and Urban India Using Association Rule Mining**

**Agency: UGC**

**Reference:**

- a) F.No:4-4/2013-14(MRP-SEM/UGC-SERO dated 17-03-2014, Proposal Number: 808
- b) No.F MRP-4585/14(SERO/UGC) March 2014 UGC Minor Research Project Duration: 2 years, Cost: Rs. 1, 29,000/-



**Y. Sri Lalitha**, Associate Professor, Department of MCA (ID-112)

**Qualification:**M.Tech (CSE) (JNTU, Hyderabad ,2001),

**Experience:** 17 Years

**Research Interest:** Data Mining, Algorithms

**No. of Journal Publications/Conference Proceedings:** 9

**Books published:** 1

1. Y Sri Lalitha " Theory of Computation", Spectrum Series Publications

**Journal publications**

**International publications:**

1. Y. Sri Lalitha and Dr. A. Govardhan., "Improved Text Clustering with Neighbors" *International Journal of Data Mining & Knowledge Management Process (IJDKP)* Vol.5, No.2, March 2015 pp 23 - 37.



2. Y. Sri Lalitha, Dr. A. Govardhan, "Analysis of Heuristic Measures for cluster Split in Bisecting K-means", *CiiT International Journal of Data Mining and Knowledge Engineering*, Vol 5, No 12, 2013 pp 438-443.
3. Y. Sri Lalitha, N. Sandhya, Dr. A. Govardhan, Dr. K. Anuradha - "Neighbor based Text Document Clustering", (*IJCSIS*) *International Journal of Computer Science and Information Security*, Vol. 9, No. 8, August 2011 pp.146-153.
4. Y. Sri Lalitha, N. Sandhya, Dr. A. Govardhan, V. Sowmya, Dr. K. Anuradha , "Analysis of Stemming Algorithm for Text Clustering", *IJCSI International Journal of Computer Science Issues*, Vol. 8, Issue 5, No 1, September 2011 ISSN (Online): 1694-0814, pp.352-359.
5. Y. Sri Lalitha, Dr. A. Govardhan, N. Sandhya, Dr. K. Anuradha "An improved Approach for Document Retrieval Using Suffix Trees" (*IJACSA*) *International Journal of Advanced Computer Science and Applications*, Vol. 2, No. 9, 2011 pp. 33-36.
6. Y. Sri Lalitha, N. Sandhya, A. Govardhan, and K. Anuradha, "Analysis of similarity measures for text clustering," *International Journal of Data Engineering*, vol. 2, no. 4, 2008

### **Conference Proceedings**

#### **International Conferences:**

1. Y. Sri Lalitha, A. Govardhan "Semantic Framework for Text Clustering with Neighbors" *ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of CSI, Volume II, Advances in Intelligent Systems and Computing 249*, © Springer International Publishing Switzerland 2013 December 2013 pp.261-271, ISBN: 978-3-319-03095-1.
2. Y. Sri Lalitha, Sk. Altaf Hussain Basha, N. Sandhya, Dr. A. Govardhan – "Web Usage Mining – A Survey ", *IEEE International Advance Computing Conference(IACC 2009)*, Thapar University, Patiala, pp. 1684-1689, 2009, ISSN: 978-981-08-2465.

#### **National conferences:**

1. Y. Sri Lalitha, Sk. Altaf Hussain Basha, N. Sandhya, Dr. A. Govardhan – "Web Usage Mining – Survey ", in proceeding of National Conference on "Soft Computing and Artificial Intelligence" (*NCSCAI 2009*) at Lingaya's University, Garidabad, pp.222-227, 2009.



**N V Ganapathi Raju, Associate Professor**

**Qualification:** Ph.D (pursuing), M.Tech (CST) (Andhra University, 2008), MCA (2000)

**Experience:** 13 Years (ID-118)

**Area of research interest:** Information Retrieval Systems and Language Technologies

**Journal Publications/ Conference Proceedings:** 3

**Books Published:** 02 (Hi-Tech Publishers) on Software Engineering & Java Programming

**Certifications:** - Oracle Certified J2SE 6, Oracle Certified J2EE 5 programmer.

**Journal publications**

**International publications:**

1. N.V. Ganapathi Raju, Bhavya Sukavasi, Sai Rama Krishna Chava, Vidya Rani Vadisala, "An Application of Statistical Indexing for Searching and Ranking of documents – A Case study on Telugu Script" , International Journal of Computer Applications (0975 – 8887) Volume 28– no.3, pp.22-27, August 2011
2. N.V.Ganapathi Raju, Bhavya Sukavasi, Sai Rama Krishna Chava, Vidya Rani Vadisala, "Automatic Information Collection & Text Classification for Telugu Corpus using K-NN Algorithm", International Journal of Research in Computer Application & Management(ijrcam),Vol.1,no. 9,November 2011,pp.88-93,2011

**Conference Proceedings**

**International Conferences:**

1. N V Ganapathi Raju, Dr Uma Maheswar Rao, Christopher M, Parameswari of CALTS "A Telugu Spell Checker based on Morphological Analyzer for Error Detection & Suggestion Generation". International Telugu Internet Conference (ITIC). Nov 2012.



**V Anand**, Assistant Professor (ID-911)

**Qualification:** MCA(Periyar University 2004)

**Experience:** 10 Years

**Area of research interest:** Linux, C Programming, Data Structures, Soft skills

**No. of Books published:** 6

1. Reasoning and Numerical Ability for GATE, CENGAGE learning, 2012
2. GATE Mentor 2016: Civil Engineering (With CD) Paperback – Jun 2015 by S. Anbu Kumar (Author), M. Ashok Kumar (Author), Santhosh Kumar Sengar (Author), V. Anand (Author)
3. GATE MENTOR 2016: Computer Science and Information Technology, by S. Anbu Kumar (Author), M. Ashok Kumar (Author), Santhosh Kumar Sengar (Author), V. Anand (Author)
4. GATE MENTOR 2016: Electrical Engineering, by S. Anbu Kumar (Author), M. Ashok Kumar (Author), Santhosh Kumar Sengar (Author), V. Anand (Author)
5. GATE MENTOR 2016: Electronics and Communication Engineering, by S. Anbu Kumar (Author), M. Ashok Kumar (Author), Santhosh Kumar Sengar (Author), V. Anand (Author)
6. GATE MENTOR 2016: Mechanical Engineering, by S. Anbu Kumar (Author), M. Ashok Kumar (Author), Santhosh Kumar Sengar (Author), V. Anand (Author)

**Journal Publications/ Conference Proceedings:** 2

**Conference Proceedings**

**International Conferences:**

1. V. Anand ,Sk.Altaf Hussain Basha, Y. Vijayalata, Donapati Srikanth, “ Study of Education patterns using Rare Association Mining-A case Study “ , IEEE International Conference on Engineering for Humanity (ICEH-2013), Hyderabad, pp. 53-61,2013.
2. V. Anand ,Sk Althaf Hussain Basha, T Naveen Kumar , Donapati Srikanth, “Categorization of Academic Student Performance using Hybrid Techniques” International Conference on Advanced Computing Methodologies (ICACM-2013), Hyderabad, pp.325-330 ,2013.



**Donapati Srikanth**, Assistant Professor. (ID-991)

**Qualifications :** M.Tech (Computer Science and Engineering) (JNTUH 2011), MCA ( OU Hyderabad-2009 ),

**Experience:** 4 (2 years teaching +2 years IT industry)

**Research interest:** Data Mining,Middleware like EAI

**Journal Publications/ Conference Proceedings:** 2

#### Conference Proceedings

#### International Conferences:

1. Donapati Srikanth,V. Anand ,Sk.Altaf Hussain Basha, Y. Vijayalata “ **Study of Education patterns using Rare Association Mining-A case Study** “ , IEEE International Conference on Engineering for Humanity (ICEH-2013), Hyderabad, pp. 53-61,2013.
2. Donapati Srikanth, V. Anand ,Sk Althaf Hussain Basha, T Naveen Kumar , “**Categorization of Academic Student Performance using Hybrid Techniques**” International Conference on Advanced Computing Methodologies (ICACM-2013), Hyderabad, pp.325-330 ,2013



**Mr. C.N.V.B.R.Sri Gowrinath**, Assistant Professor, Dept. of MCA (ID-1098)

**Qualifications :** M.Tech (Computer Science and Engineering ) ( JNTU Kakinada, 2013), M.C.A (Andhra University, 2008).

**Experience:** 6 years

**Research interest :** Data Structures, Software Engineering.

**Certifications :** Java Standard Edition 5 Programmer Certified Professional Exam

**Journal publications/conference proceedings:** 1

#### Conference Proceedings

#### International conferences:

1. C.N.V.B.R. Sri Gowrinath, M.Satish Kumar “Cloud Oriented Remote Device Display, “International journal for Research in Information Technology (IJRIT), Volume-1 Issue- 12,2013,ISSN: 2001-5569 (Impact Factor: 1.738).



**Ch Veeranjanyulu**, Assistant Professor (ID-1090)

**Qualification:** MCA, M.Tech(JNTUH2013)

**Experience:** 5 years

**Research Interest:** Databases

**Journal publications/conference proceedings:** 1

**Conference Proceedings**

**International conferences:**

1. Ch. Veeranjanyulu, Ravi Mathey "Attribute information for incremental classification of large datasets" International journal of computer science information and engineering technologies(IJCSIET).



**Srishuka M**, Asst. Professor (Id-1042)

**Qualification:** MCA (JNTUH, 2012)

**Experience :** 2 years

**Research Interest :** Cryptography, Cyber Forensics, Material Science Simulations

**Journal Publications/Conference Proceedings:** 1

**Conference Proceedings**

**International Conferences:**

1. Srishuka M., Lakshmi Kanumuri, Amith Kumar Gupta, Swadesh Kumar Singh "Application of Support Vector Regression on Mechanical Properties of Austenitic Stainless Steel 304 at Elevated Temperatures", International Conference on Material Processing & Characterization 2015, Elsevier-Materials Today Proceedings 2015.