



MUTHU KUMAR B
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CAREER OBJECTIVE

A challenging position that seeks an ambitious and career conscious person, where acquired technical skills will be utilized towards diverse job responsibilities, continued growth and contribution to the institution success

WORKING EXPERIENCE [7 +Yrs]

- Working as an **Associate Professor** in **Kathir College of Engineering** at Coimbatore (T.N) from July 2011 to till now.
- Working as an **Assistant Professor** in **Kathir College of Engineering** at Coimbatore (T.N) from July 2009 to June 2011.
- Worked as an **Assistant Professor** in **Sri Venkateswara College of Engineering and Technology** at Chittoor District (A.P) from July 2006 to June 2009.
- Worked as a **Lecturer** in **G.G.R College of Engineering** at Vellore District (T.N) from May 2005 to July 2006.

EDUCATION

- **Level: Doctoral Degree**
Field of study: **Philosophy of Doctorate [Pursuing] – Waiting for Viva**
University: **St.Peter's University**
Location: Chennai. (T.N)
- **Level: PG Degree**
Field of study: **Master of Technology in Computer Science & Engineering**
Percentage: 9.06 (CGPA)
Class: **Distinction with Honors**
Year of Pass: May 2007
University: **Dr. M.G.R University**
Location: Chennai. (T.N)
- **Level: UG Degree**
Field of study: **Bachelor of Engineering in Computer Science & Engineering**
Percentage: 72 %
Class: First Class.
Year of Pass: April 2005
Institution: G.G.R College of Engineering.

University: **Anna University, Chennai**

Location: Vellore (T.N)

ACHIEVEMENTS

- Awarded **Gold Medal** for securing **University 6th Rank**. in M.Tech Programme.
- Awarded **Best Faculty** for the academic year 2011- 2012 at Kathir College of Engineering.
- Under my leadership (as HOD), department has produced **100% result** in the academic year 2011 – 2012 (Both 7th and 8th Semester).

RESEARCH ACTIVITIES

INTERNATIONAL JOURNAL: [10]

- B.Muthukumar, Dr.S.Ravi, “**Adaptive Human Motion Estimation Filter with Integrated Phase Compensator**” International Journal of Computer Science and Network Security (**IJCSNS**), Vol.12, No.7, Pp: 63- 67, July 2012 Publication.
- B.Muthukumar, Dr.S.Ravi, “**Face Recognition using Random Projection with Neural Network**”, International Journal on Engineering & Advanced Technology (**IJEAT**) Volume -1, Issue-3, February 2012 Publication. [ISSN: 2249 -8958 Online]
- B.Muthukumar, Dr.S.Ravi, “**Tracking the human motion in real time using Star Skeleton Model**”, International Journal on Engineering & Advanced Technology (**IJEAT**) Volume -1, Issue-3, February 2012 Publication. [ISSN: 2249 -8958 Online]
- B.Muthukumar, Dr.S.Ravi, “**Optimization of Maximizing and Aligning the Images Using Face Alignment Model**”, International Journal on Science & Technology (**IJSAT**) Volume II, Special Issue I, Oct -Dec 2011 Publication. [ISSN: 2229 – 7677]
- B.Muthukumar, Dr.S.Ravi, “**An MRF Model -Based Approach to Recovery the Defocused Images Using GMM Segmentation Technique**”, Journal of Research in Recent Trends (**JRRT**), October 2011 Publication.
- B.Muthukumar, P.Banumathi, V.Karthik, R.Vidhya, “**A Process of Delivering the Mail Message in Domain Level Authentication Framework using Grid Computing**”, CiiT International Journal of Networking & Communication Engineering, March 2011, Publication. [Print: ISSN 0974 – 9713 & Online: ISSN 0974 – 9616]
- B.Muthukumar, Dr.S.Ravi, “**Tracking the Face Movement of Perceptual User Interface Using CAMSHIFT Algorithm**”, International Journal of Computer Science and Information Security (**IJCSIS**), Vol 8. No.9, December Publication, LJS Publisher and IJCSIS Press, United States.

- B.Muthukumar, P.Banumathi, T.K.P Rajagopal, R.Vidhya, “**A Design and Execution of Activity-Based Applications in Distributed Environments using Hermes Software Architecture**”, International Journal of Computer Science and Information Security (**IJCSIS**), Vol 8. No.9, December Publication, LJS Publisher and IJCSIS Press, United States.
- B.Muthukumar, P.Banumathi, T.K.P Rajagopal, “**Optimizing the Usage of Bandwidth in Heterogeneous Wireless Networks Using CTSP Mechanism**”, **CiiT International Journal of Wireless Communication**, November 2010, Publication. [Print: ISSN 0974 – 9756 & Online: ISSN 0974 – 9640]
- B.Muthukumar, Dr.S.Ravi, “**Segmentation of Image Feature Using Level Set – Contour Region Based Segmentation Algorithm**”, **CiiT International Journal of Digital Image Processing**, November 2010, Publication.[Print: ISSN 0974 – 9691 & Online: ISSN 0974 – 9586]

INTERNATIONAL CONFERENCE: [16]

- B.Muthukumar, Dr.S.Ravi, “**Reducing the time and cost in image storage using Lossless Image Compression Algorithm**” accepted for International Conference on Mathematics in Engineering & Business (**ICMEB 2012**), Chennai, 8th-10th March’12.
- B.Muthukumar, Dr.S.Ravi, “**A Modified Back Propagation Algorithm for Face Recognition: A Novel Approach**” accepted for International Conference on Mathematics in Engineering & Business (**ICMEB 2012**), Chennai, 8th-10th March’12.
- B.Muthukumar, Dr.S.Ravi, “**Visual Speech Recognition using Lip Detection**” accepted for International Conference on Emerging Trends in Computer and Communication 2012 (**EMICS 2012**), Kanyakumari, 16th – 17th February 2012.
- B.Muthukumar, Dr.S.Ravi, “**An MRF Model -Based Approach to Recovery the Defocused Images Using GMM Segmentation Technique**” accepted for 2011 International Conference on Process Automation Control and Computing (**IEEE PACC 2011**), Coimbatore, India July 20th-22nd, 2011.
- B.Muthukumar, Dr.S.Ravi, “**Image Segmentation Using Fuzzy C-Means Clustering Algorithm Using Kalman Filter**” accepted for 2011 International Conference on Process Automation Control and Computing (**IEEE PACC 2011**), Coimbatore, India July 20th-22nd, 2011.
- B.Muthukumar, P.Banumathi, R.Vidhya, “**Managing the Reliability for Multicast Hierarchical Mobility Internet Protocol (MHMIP)**” accepted for International

Conference on Intelligent Information Systems and Management (IISM'11), India July 14th-16th, 2011.

- B.Muthukumar, Dr.S.Ravi, **“Improve the performance of digital systems by reducing the time and cost in image storage using Lossless Image Compression Algorithm”** accepted for International Conference on Adaptive Technologies for Sustainable Growth (ICATS - 2011), Coimbatore, India June 16th-18th, 2011.
- B.Muthukumar, Dr.S.Ravi, **“Optimization of Maximizing and Aligning the Images Using Face Alignment Model”** accepted for International Conference on Intelligent System and Data Processing (ICISD 2011), Gujarat, India January 24th-25th, 2011.
- B.Muthukumar, P.Banumathi, R.Vidhya, **“An Optimized Genetic Algorithm for enhancing the performance of Wireless Network in Multi Agent Systems”** accepted for International Conference on Advanced Computing & Communication Technologies (ACCT11), Rohtak, India January 21st – 23rd, 2011
- B.Muthukumar, P.Banumathi, R.Vidhya, **“A Process of Delivering the Mail Message in Domain Level Authentication Framework using Grid Computing”** accepted for International Conference on Computer Communication and Informatics (ICCCI 2011), Coimbatore, India January 11th –12th, 2011.
- B.Muthukumar, Dr.S.Ravi, **“A Benchmarking of Face Detection and Skin Segmentation Approach using SOM Technique”** accepted for International Conference on Intelligent Systems and Control (ISCO-2011), Coimbatore, India 7th & 8th January 2011.
- B.Muthukumar, P.Banumathi, V.Karthick, R.Vidhya, **“An Enhancement of ANT colony based routing algorithm in Mobile ADHOC Network”** accepted for International Conference on Intelligent Systems and Control (ISCO-2011), Coimbatore, India 7th & 8th January 2011.
- B.Muthukumar, Dr.S.Ravi, **“Recognize the Face Movements with Corresponding Patches in the Data – Driven Approach with Alignment Algorithms”** accepted for International Conference Systemics, cybernetics and informatics (ICSCI-2011), Hyderabad, India 5th - 8th January 2011.
- B.Muthukumar, P.Banumathi, V.Karthik, R.Vidhya, **“Adopting the Multi – Hop Wireless Technology in Wireless Network to maintain the throughput Enhancement for Spectrum Allocation”** accepted for International Conference Systemics, cybernetics and informatics (ICSCI-2011), Hyderabad, India 5th - 8th January 2011.

- B.Muthukumar, Dr.S.Ravi, “**A Visual Tracking of the user movements for recognizing the machine auctions with various tracking aspects using camera mouse system**” Proc. of International Conference on Innovative Research in Engineering & Technology (**iCIRET – 2010**), 12th-14th August 2010.
- B.Muthukumar, V.Karthik, R.Vidhya, “**Optimizing the performance of TCP/IP protocol over the 3G Wireless Networks: To significant the delay and data rate variations in the wireless channel**” Proc. of International Conference on Innovative Research in Engineering & Technology (**iCIRET – 2010**), 12th-14th August 2010.

NATIONAL CONFERENCE: [16]

- B.Muthukumar, Dr.S.Ravi, “**Human Motion Estimation Filter using Phase Compensator**” accepted for National Conference on Emerging Trends in Network Communication (**NCETNC’12**), 17th August 2012 Publication.
- B.Muthukumar, Dr.S.Ravi, “**A Modified Back Propagation Algorithm for Face Recognition: A Novel Approach**”, Proc. of DRDO Sponsored National Conference on “Data Mining, Spatial & Geo Spatial Database Applications” – 2010 (**DMSGSDA’10**), 2nd & 3rd December, 2010.
- B.Muthukumar, P.Banumathi, R.Vidhya, “**An Automatic Image Extraction over IP Network for Compromising Reliability**”, Proc. of DRDO Sponsored National Conference on “Data Mining, Spatial & Geo Spatial Database Applications” – 2010 (**DMSGSDA’10**), 2nd & 3rd December, 2010.
- B.Muthukumar, P.Banumathi, R.Vidhya, “**Capturing the movement of Eye in Human Computer Interaction**”, Proc. of National conference on “Multimedia Signal Processing and Networking, Pp: 19- 23, 30th October, 2010.
- B.Muthukumar, P.Banumathi, R.Vidhya, “**A New Secure Routing Protocol for Providing Security In ADHOC Network Based on IDMAC**”, Proc. of National Conference on Mobile and Adhoc Networks (**NCMAN 2010**), 29th & 30th October, 2010.
- B.Muthukumar, P.Banumathi, R.Vidhya, “**A Design and Execution of Activity-Based Applications in Distributed Environments using Hermes Software Architecture**”, Proc. of National Conference on Emerging Trends in Computing Technologies (**NCETCT’10**), 27th & 28th October, 2010.

- B.Muthukumar, P.Banumathi, R.Vidhya, “**Adapting a DHT approach to the design of a network layer routing algorithm without losing much routing efficiency**”, Proc. of Sixth National Level Conference on Recent Trends in Advanced Computing (NCRATAC’10), Pp: 16, 06th October, 2010.
- B.Muthukumar, P.Banumathi, R.Vidhya, V.Karthick, “**A Significant Impact on Data Application Performance over the Wireless Network Channel**”, Proc. of National Conference on Emerging Technologies in Computer Science – 2010 (NCETCS – 2010), Pp: 362 – 371, 26th – 28th August, 2010.
- B.Muthukumar, P.Banumathi, R.Vidhya, K.M.Rajamanickam, “**A Visual Tracking of the user movements to recognizing the machine actions with various tracking aspects**”, Proc. of 2nd National Conference on Signal Processing, Communications, and VLSI Design (NCSCV’10), Pp: 88, 07th & 08th May, 2010.
- B.Muthukumar, P.Banumathi, R.Vidhya, “**An Automated Process of Finding Patterns and Trends in the Clustering Applications**”, Proc. of CSIR Sponsored National Conference on Technologies Advancements in Data Mining, Pp: 20 – 24, 24th April, 2010.
- B.Muthukumar, P.Banumathi, R.Nanthakumar, “**An Automatic Recovery for Reducing the Downtime of J2EE Applications**” in association with Computer Society of India (CSI), NCATC’10, on 23rd April, 2010.
- B.Muthukumar, P.Banumathi, R.Nanthakumar, “**A Location Based Multi-Player Application at Low-Cost Systems-On-A-Chip (SOC) Using Ubiquitous Computing**”, Proceedings of National Conference on Advanced Trends in Computing (NCATC–2010), Pp: 65-69, 13th April, 2010.
- B.Muthukumar, P.Banumathi, “**Fingerprint Identification System for Security Mechanism Using Cryptography**”, Proceedings of National Conference on Recent Advances in Communication Systems, Computing and Green IT (NCRACCG 2010), Pp: 86-88, 8th April, 2010.
- B.Muthukumar, K.Thyagarajan, “**Securing Data in ADHOC Networks Using Multipath Routing**”, Proc. of 2nd National Conference on Recent Trends in Innovative Technologies (NCRITIT’10), Pp: 82-90, 27th March, 2010.
- B.Muthukumar, P.Banumathi, “**An Effective Design for ATM Switching Fabrics Using I-Cubeout Switching Techniques**” Proc. of 2nd National Conference on Recent Trends in Innovative Technologies (NCRITIT’10), 27th March, 2010.

- P.Neelakantan, B.Muthukumar, V.Paranthaman, “**Application of Semantic Web Technologies on Analytical Tools**”, Proceedings of 2nd National Conference on Recent Advances in Computer Vision and Information Technology (NCVIT '09), Pp: 282 – 285, 8th March 2009.

WORKSHOP/ SEMINARS/FDP ATTENDED :

- Participated in **FDP** on “**IBM Rational Rose**” Organized by Department of CSE & IT (**ADONISZ**) from 26th -29th August 2010 at Kathir College of Engineering, Coimbatore.
- Participated in **One day Workshop** on “**Fast & Furious**” conducted by **IIIT Software Solution**, organized by Department of CSE & IT (**ADONISZ**) from 9th August 2010 at Kathir College of Engineering, Coimbatore.
- Participated in **Two day Workshop** on “**Database Management Systems**” Organized by Department of CSE & IT (**ADONISZ**) at Kathir College of Engineering, Coimbatore.
- Participated in **Faculty Development Programme** organized by Kathir College of Engineering, Coimbatore and association with **VIT Academic Staff College**, Vellore.
- Participated in “ **One Day Orientation Programme for Programme Officers**” organized by **Red Ribbon Club (RRC)** at **Anna University, Coimbatore, Academic Campus**, on 26th August, 2009
- Participated in the **AICTE Sponsored National Workshop** on “**Advanced Computing Concepts**” conducted by CSE Department, SVCET, Chittoor during 13th & 14th March, 2009.
- Participated in the **Workshop** on “**Research Methodology**” held at St.Peter’s University, Chennai on 13th March, 2009.
- Participated in the **AICTE Sponsored National Workshop** on “**Advanced Technologies for Sustainable Environment**” (**WASTE – 2009**) organized by Mechanical Department, SVCET, Chittoor during 20th – 21st February, 2009.
- Participated in the **Workshop** on “**System Integration**” Organized by Microsoft & IEG / JKC through MANA TV at SVCET, Chittoor on 20th February, 2009.
- Participated in **FDP** on “**New Computing Architecture**” conducted by CSI Chapter in collaboration with TCS on 10th January, 2009.

- Participated in the **Workshop** on “**Faculty Development Programme & ISTE – A.P Section 3rd Annual Convention**” Organized by ISTE during 11th – 12th December 2008 at Srikalahasti, Chittoor District.
- Participated in **Workshop** on “**IBM Rational Rose**” conducted by “**IBM Academic Initiative**” from 12th -19th November 2008 at AITS, Rajampet.
- Participated in **One –Day workshop** on “**VLSI & Embedded Systems**” Organized by Srinivasa Educational Academy on 18th July 2008 at SVCET, Chittoor District.
- Participated in **FDP** on “**Tools & Technologies**” conducted by “**IBM Academic Initiative**” from 27th -28th June 2008 at SVCET, Chittoor.
- Participated in **Quality Improvement Programme (FDP)** on “**Instructional Design & Delivery**” from 03rd – 08th December, 2007 at SVCET, Chittoor.
- Participated in “**Faculty Development Programme**” conducted by “**IBM Academic Initiative**” from 24^h -26^h September 2007 at SVCET, Chittoor.

DEPARTMENTAL ACTIVITIES

- HOD – Dept. of Information Technology.
- Training & Placement Coordinator.
- NBA Coordinator, ISO Coordinator.
- RRC Programme Officer.
- Association Coordinator.

ACTIVITIES ORGANIZED

- Organized Two National Level Technical Symposiums (Lacoziz’10 and Lacoziz’11) in 2010 and 2011.
- Organized Two National Level Conference on “Computer Vision and Communication Systems” (NCVCS’11 and NCCVCS’12) in 2011 and 2012.
- Submitted AICTE proposals for FDP, Seminar, and Conference in 2012.
- Introduced Microsoft IT Academy and Institutional membership on IUCEE (Indo – US Collaboration for Engineering Education).
- Submitted the proposal for Oracle and HCL institution Alliance Partnership.
- Waiting for CIIT, IACSIT and AIRCC grant for International Conference.

PROFESSIONAL BODIES - INVOLVEMENT

- **Life Membership – ISTE (Indian Society for Technical Education –LM57020)**
- **Member – CSI (Computer Society of India – N1050590 - 7 Years)**
- **Member – IEEE - 90675947**
- **Member – IACSIT – 80338164**
- **Member – IAENG – 107670**
- **SPOC – IUCEE(Indo – US Collaboration for Engineering Education)**
- **Member – CSTA (Computer Science Teachers Association - 2858671)**
- **Member – SIAM (Society for Industrial and Applied Mathematics)**
- **Member - IBM Academic Initiative**

REVIEWER / EDITORIAL BOARD MEMBERS

- **Reviewer – ICMLC (VIP – ICMLC – C01048)**
- **Reviewer – ICCRD (International Conference on Computer Research and Development)**
- **Reviewer – IJCSIS (International Journal of Computer Science & Information Security)**
- **Reviewer – CSC (Computer Science Journal)**
- **Reviewer – IJCSE (International Journal of Cyber Society and Education)**
- **Reviewer – IJET (International Journal of Emerging Technologies in Learning)**
- **Reviewer – IJCTE (International Journal of Computer Theory and Engineering)**
- **Reviewer – IJCSI(International Journal of Computer Science Issues)**
- **Reviewer – WCSIT (World of Computer Science and Information Technology)**
- **Review Board member – WASET at Scientific and Technical Committees & Editorial Review Boards(World Academy of Science, Engineering and Technology)**
- **Editorial Board – IJSCE (International Journal of Soft Computing and Engineering)**
- **Editorial Board Member – GConference**
- **Editorial Board and International Colleagues - SCICON: The International Association of Science & Engineering Congress.**

PERSONAL DETAILS

Date of Birth : 18-12-1982
Sex : Male
Marital Status : Married
Hobbies : Surfing, Reading.
Language Know : English, Tamil and Telugu.
Mobile : 09566907501
Permanent Address : Nehru Nagar 2nd Street,
Ramanathapuram,
Madurai District.
e-Mail : muthu_tcn@rediffmail.com

DECLARATION

I here by declare that the above information is true to the best of my knowledge and belief.

Place:

Date :

(B. MUTHU KUMAR)