# Dr.CH. BALASWAMY

Department: Electronics and Communication Engineering

College: Gudlavalleru EngineeringCollege

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#### **RESIDENTIAL ADDRESS:**

Flat No. 306, Mahalakshmi Residency, Near Registrar Office, Bhagyanagar 2<sup>nd</sup> lane, Ongole – 523 001. Prakasam District, Andhra Pradesh

# **ACADEMIC QUALIFICATIONS:**

Ph.D in Computer Communication and Networks (ECE)

Master of Engineering in Computer Applications in Industrial Drives (ECE)

Bachelor of Engineering in Electronics and Communication Engineering

# **ACADEMIC REWARDS/ACHIEVEMENTS:**

- Ratified as Professor by JNTUK University, Kakinada
- GATE-1998 Qualified.
- Awarded the Merit Prize for having secured highest marks in Elective-I and Highest Scorer in I-M. Tech during March 2000 examination.
- Got University Second rank in II-M.Tech.
- Best paper award at NCSCA-07, National Conference, Visakhapatnam.

## PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Protessor	Gudlavalleru Engineering College	01.06.2018 to till date
Professor, HOD & Vice Principal	QIS College of Engineering & Technology, Ongole	25.09.2014 to 30-04-2018
	QIS College of Engineering & Technology, Ongole	27.07.2010 to 24-09-2014

Professor	QIS College of Engineering & Technology, Ongole	16.06.2010 to 26-07-2010
Assoc. Professor	Laki Reddy Bali Reddy College of Engineering, Mylavaram	01.08.2005 - 10.06.2010
Asst. Professor	Vignan's Engineering College	10.11.2003 – 30.07.2005
Asst. Professor	QIS College of Engineering & Technology, Ongole	01.07.2002 - 05.11.2003

# **PROJECTS GUIDED:**

PhD	Post Graduation	Under Graduation
1	11	18

**SPECIALIZATION:** Computer Communication and Networks

**RESEARCH PAPERS/BOOKS:** NIL

**BOOKS PUBLISHED IN PUBLICATIONS: NIL** 

## PAPERS PUBLISHED IN JOURNALS:32

- 1) V.Jai Kumar, Ch.Balaswamy, K.Soundararajan, "Cross layered based Adaptive Secured Routing and Data transmission in MANET" *International Journal of Mobile Network Design and Innovation, a Scopus Indexed Journal, Vol.9, Issue 1, 28<sup>th</sup> Feb, 2019, H-Index:10; pg. 37-45.* [SCOPUS, H.Index:10]
- 2) V.Jai Kumar, Ch.Balaswamy, K.Soundararajan, "CBC-TBCLA:trust Based Cross Layer Approach for Secure Routing Protocol in MANET", *International Journal of Advanced Research in Dynamical and Control Systems, Scopus, December, 2018, Pg.583-593.* [SCOPUS]
- 3) K.C.KullayappaNaik, Ch.Balaswamy, "Performance Evaluation of Stochastic Mobility Model and Trace based Mobility Model for MANETs", *Journal of Adv Research in Dynamical & Control Systems, a Scopus Indexed Journal*, ISSN 1943-023X; *Vol.10, Issue 15, November, 2018, Pg 479-484*. **ISCOPUSI**
- 4) P. Venkata Rao, Ch.Balaswamy, "A Review for Compressive Sensing (CS) Scheme in Cluster Based Wireless Sensor Network", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, No. 8, Nov. 2018, pp. 6118-6124 © Research India Publications. <a href="http://www.ripublication.com">http://www.ripublication.com</a>[UGC Approved Journal]
- 5) V.Jai Kumar, Ch.Balaswamy, "An Efficient Optimization Based Cross Layer Approach to Enhance the Security of MANET", *International Journal of Pure and Applied Mathematics, a Scopus Indexed Journal*, Vol 118, Issue 24, May 2018, ISSN:1314-3395 (on line version); pg.1-18. [SCOPUS]
- 6) K.C.KullayappaNaik, Ch.Balaswamy, "Lifetime Enhancement of AODV Routing Protocol for Homogeneous and Heterogeneous MANETs", *International Journal of Pure and Applied Mathematics* (IJPAM), a Scopus Indexed Journal, Vol. 118, Issue No. 24, April 19, 2018, ISSN:1314-3395 (on line version); pg.1-11. [SCOPUS]
- 7) Jai Kumar Vinayagam, Ch.Balaswamy, K.Soundararajan, "Multicast Routing Protocol to detect malicious node in MANET with Cross layer selection algorithm", *International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol.5, Special Issue 3, January 2018, ISSN 2394-3777(Print), ISSN 2394-3785 (Online).pg. 390-397.*
- 8) KoviMounika, Ch.Balaswamy, "Smart Blood Banking Server using Raspberry Pi", *International Journal for technological Research in Engineering, Volume 4, Issue 10, June-2017, ISSN (Online):2347-4718*, pg.2059-2061. Impact factor: 4.62
- 9) ThanikondaMadhavi, Ch.Balaswamy, "Secure and Reliable Routing Protocols in Multi-hop Wireless Networks using MANET", International Journal of Engineering Science Innovation Research & Development, Vol. IV. Isuue III, September 2017, E-ISSN: 2349-6185; pg.121-129. Impact factor: 4.166.
- 10) G.Narendra Sai Ch.Balaswamy, B.Malleswari, , "Remote Patient Health Care Monitoring over Internet", International Journal for technological Research in engineering, Volume 4, Issue 10, June-2017. ISSN (Online): 2347-4718; pg.2011-2015. Impact factor: 4.62
- 11) Ch.Balaswamy, PagadalaVenkataSubba Reddy, Y.V.Bhaskar Reddy, "Performance Evaluation of Data Offloading Approaches for Mobile Social Networks", International Journal of Engineering Science Invention, ISSN (Online):2319-6734, ISSN (Print):2319-6726, Volume 6 Issue 10, October 2017, PP.58-66. Impact factor: 5.962
- 12) Lellapalli Sridhar, Ch.Balaswamy, B.Malleswari, "Design and development of power management in intelligent buildings with smart monitoring and controlling system", *International Journal for technological Research in engineering, Volume 4, Issue 10, June-2017. ISSN (Online): 2347-4718*; pg.2055-2058, Impact factor: 4.62

- 13) Madala Lakshmi Durga, Ch.Balaswamy, K.C.KullayappaNaik, "Efficient Resource Allocation in VANET", International Journal of Engineering Science Invention, ISSN (Online): 2319-6734, ISSN (Print):2319-6726, Volume 6, Issue 10, October 2017, PP.48-57. Impact factor: 5.962
- 14) ShaikHarika, Ch.Balaswamy, K.C.KullayappaNaik, "Study and Design of always an alternate route available protocol for MANET", International Journal of Engineering Science Invention, ISSN (Online): 2319-6734, ISSN (Print):2319-6726, Volume 6, Issue 10, October 2017, PP.40-47. Impact factor: 5.962
- 15) Ch. Balaswamy, RavichanderJanapati, K.Soundararajan "Enhancement of Indoor Localization in WSN using PSO tuned EKF", *International Journal of Intelligent Systems and Applications (IJISA)*, 2017, MECS publishers, Vol. 8. **Hongkong** ISSN:2074-904X(Print), ISSN: 2074-9058 (Online), DOI: 10.5815/ijisa (The impact factor (IF) = 0.10 ISI Web of Knowledge), pg.10-17
- 16) RavichanderJanapati, Ch. Balaswamy, K.Soundararajan "Indoor localization of cooperative WSN using PSO assisted AKF with optimum references" published in *Elsevier Procedia Computer Science" at IIMT Bhubaneswar (Scopus indexed), Vol.92, Pg. 282-291, Jan, 2016, doi: 10.1016/j.procs.2016.07.357*
- 17) Dr.Ch.Balaswamy, N ChinnaBabu, V.Jai Kumar, T.Gowri Kishore, "A Novel Routing Protocol based on Periodic Route Discovery for Mobile Adhoc Networks", *International Journal of Engineering Research and Applications, ISSN:2248-9622, Vol.6, Issue 12, (Part-4), December 2016, pp.74-81*, Impact factor: 5.179
- 18) RavichanderJanapati, Ch. Balaswamy, K.Soundararajan "Localization of WSN using Distributed Particle Swarm Optimization algorithm with precise references" in Journal of Communications Technology, Electronics and Computer Science, Vol. 7, 2016 ISSN 2457-905XDOI: 10.22385, Springer.
- 19) RavichanderJanapati, Ch. Balaswamy, K.Soundararajan "Localization of Cooperative WSN using Distributed PSO with Optimum References", *International Journal of Electrical and Computer Engineering (IJECE) Vol.6, No.6, December 2016, ISSN:2088-8708, DOI: 10.11591/ijece.v6i6-11427*, Pg.3094-3102.
- 20) Dr.Ch.Balaswamy, et.al., "The comparison between OLSR and AODV routing protocols for Vehicular Adhoc Networks", *International Journal of Advanced Research in computer and Communication Engineering*, (Impact factor 2.117) Volume 4, Issue 3, March 2015, DOI 10.17148/IJARC015.43112.
- 21) Ch.Balaswamy, VasiliSravani, K.C.K.Naik, "A Novel routing protocol based on multipath routing for mobile adhoc networks", *International Journal of Advanced Research in Computer and Communication Engineering Vol. 3, Issue 12, December 2014, ISSN (Online) : 2278-1021 ISSN (Print): 2319-5940, DOI 10.17148/IJARCCE.*
- 22) Dr.Ch.Balaswamy, P.Gowrisankar, N.Srinivasulu, "Design and Implementation of Black-hole Attacks in AODV Routing Protocol for Mobile Ad-hoc Networks, "International Journal of Advanced Research in Computer and Communication Engineering IJARCCE, Vol.2, issue 12, December 2013, ISSN No.(Print): 2319-5940, ISSN No. (Online): 2278-1021.
- 23) Dr.Ch.Balaswamy, T.Durgarao, N.Srinivasulu, K.C.K.Naik, "Traffic Visualisation of Performance Metrics between Routing Protocols for MANETS", *International Journal of Engineering Researh& Technology (IJERT), ISSN:* 2278-018,1 Vol.2, Issue 10, pg.802-811, October 2013.
- 24) Dr.Ch.Balaswamy, S.Papireddy, N.Sriniasulu, "Evolution of Performance Metrics between Routing Protocols for MANETS", International Journal of Advanced Research in Computer and

- Communication Engineering, ISSN (Print): 2319-5940, ISSN (Online): 2278-1021, pg. 3568-3574, Vol. 2, Issue 9, September 2013.
- 25) Dr.Ch.Balaswamy, SreekanthVakati, "Performance Analysis of Routing Protocols in Mobile Ad Hoc Networks", *International Journal of Advanced Research in Computer and Communication Engineering*, ISSN (Print): 2319-5940, ISSN (Online): 2278-1021, pg. 2792-2797, *Volume no. 2 issue no. 7; ie.. July* 2013. (Impact Factor: 1.77).
- 26) Dr.Ch.Balaswamy, Ch.Sudersan Raju, Dr.M.Sailaja, "Adaptability of MANET Routing Protocols for VANETs", International Journal of Advanced Research in Computer and Communication Engineering, ISSN (Print): 2319-5940, ISSN (Online): 2278-1021, pg. 2823-2829, Volume no. 2 issue no. 7; ie.. July 2013. (Impact Factor: 1.77).
- 27) K.Pranusha, A.Surekha, V.Srikanth, N.Srinivasulu, Dr.Ch.Balaswamy, "Performance Comparison of Proactive and Reactive Routing Protocols in Mobile Adhoc Networks", at *International Conference on Latest Trends in Engineering & Technology (ICLTET) organized by Information Technology Society of India (IT Society of India) held at Tirupati on 27<sup>th</sup>, April 2013, ISSN (Print): 2320-8945, Vol.1, Issue.3, PP.57-60.*
- 28) Dr.Ch.Balaswamy, A.Ashok Kumar, I.Venu Gopal, "The Improvement of QOS by using a Dynamic Distributed Routing Algorithm over OBS Networks", *International Journal of Advances in Soft Computing Technology*, Volume 2, Issue 2, July-Dec, 2012, pg.6-12, (ISSN: 2229-3515).
- 29) Dr. Ch.Balaswamy, P.Saradha, "Improving Image Data Hiding Capacity Scheme using Sudoku Puzzle in Color Images", *International Journal of Engineering Research and Applications (IJERA)*, Vol.2, Issue 3, May-June 2012, PP.2741-2744. (ISSN: 2248-9622)
- 30) Dr.Ch.Balaswamy, HumairaNishat, Dr.D.Srinivasa Rao, "Energy Efficient Routing Protocols for Mobile Ad Hoc Networks", *International Journal of Computer Applications* (0975-8887), Volume 26, No.2, pg.1-4, July 2011.
- 31) Ch. Balaswamy, K.Naga Prakash, Ch.HimaBindu, "An Energy Efficient Routing Protocol based on Periodic Route Discovery for Mobile Ad Hoc Networks" *International Journal of Next-Generation Networks (IJNGN) Vol.3, No.1, March 2011, Pg 45-51, DOI: 10.5121/ijngn.2011.3105.*
- 32) Dr.Ch.Balaswamy, J.RaviChandar, E.KumaraSwamy, "SVD Based robust Blind Video Watermarking Algorithm", *International Journal of Information Technology Engineering & Sciences (IJITES)*, June 2011, Vol.1, numbers 1-2, pp:75-79.
- 33) Ch. Balaswamy, Dr. K. Soundararajan, "A Novel Approach For Energy Efficient Routing in Mobile Ad Hoc Networks", Research Journal of Engineering and Technology (An International Research Journal of Engineering Sciences and Technologies), March 2009, page: 3-7.
- 34) Ch. Balaswamy, Dr. K. Soundararajan, "An Efficient Route Discovery Mechanism for Mobile Ad Hoc Networks", *IJCSNS International Journal of Computer Science and Network Security, VOL.8 No.10, October 2008, page:25-32, Seoul, South Korea.*
- 35) Ch. Balaswamy, Dr.K.Soundararajan, "Analysis of Table-driven and On-demand Routing Protocols for Mobile Ad Hoc Networks", An International Research Journal of Higher Education, RIPPLES in Feb 2008, Vol.2, Issue.1, page:52-60.

- 1) K.C.KullayappaNaik, Ch.Balaswamy, "Performance Analysis of OLSR Routing Protocol for MANETs under Realistic Mobility Model", *IEEE International Conference, Vol.3, February, 2019, Pg 1412-1416.* [IEEE International Conference]
- 2) P. Venkat Rao, Ch. Balaswamy, "Integration of Compressive sensing and clustering in wireless sensor networks using block tri-diagonal matrix approach" *International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES)*, December 1, 2018 at Gudlavalleru Engineering College, Gudlavalleru.
- 3) J.RaviChander, Ch.Balaswamy, K.Soundararajan, "Enhancement of localized routing using CDPSO in WSN", paper presented at *IEEE Conference conducted at KL University*, Vijayawada on 4<sup>th</sup>, Jan 2018. [IEEE International Conference]
- 4) Jai Kumar Vinayagam, Ch.Balaswamy, K.Soundararajan, "Adopting Cross Layer Approach for Detecting and Segregating Malicious Nodes in MANET", *IEEE 2015 International Conference on Signal Processing and Communication (ICSPC'17), IEEE Electron Devices Society, July 28th to 29th, July 2017, Karunya University, Coimbatore, pg. 457-461.* [IEEE International Conference]
- 5) J.RaviChander, Ch.Balaswamy, Dr. K.Soundararajan, "Enhanced Mechanism for Localization in Wireless Sensor Networks using PSO Assisted Extended Kalman Filter Algorithm (PSO-EKF)", IEEE 2015 International Conference on Communication, Information & Computing Technology (ICCICT), Jan. 16-17, Mumbai, India, 978-1-4799-5522-0/15/\$31.00 ©2015 IEEE[IEEE International Conference]
- 6) Ch.Balaswamyat.el., "Multicast Routing Protocol to detect malicious node in MANET with Cross Layer Selection Algorithm", *International Conference on Emerging Trends in Science & Technologies for Engineering Systems, ICETSTES-2018, 11<sup>th</sup> & 12<sup>th</sup> January 2018, S.J.C.Institute of Technology, Chickballapur, Karnataka, India, pg. 163-170.*
- 7) RavichanderJanapati, Ch.Balaswamy, "Indoor Localization of Cooperative WSN using PSO Assisted AKF with Optimum References", *International Conference on Intellegent Computing, Communication & Convergence (ICCC-2016)* held at IIMT, Bhuvaneswar on 24<sup>th</sup>-25<sup>th</sup>, Jan 2016, pg. 292-291.
- 8) Ch. Balaswamy, RavichanderJanapati, K.Soundararajan and V.R Sarma, "Censored Localization for Cooperative WSN using Distributed PSO Algorithm" in International Conference on Recent Trends in Engineering, Technology and science (ICRETS-2016), pg.1-
- 9) Ch. Balaswamy, RavichanderJanapati, K.Soundararajan "Network centric collaborative navigation for target localization using PSO tuned UKF" *Proceedings of International Conference on Emerging Trends in Electronics & Telecommunications (ICETET) 29th 31st May, 2015 KUALA LUMPUR, MALAYSIA (MT0EC046) ISSN (online): 2349-0020 ISSN (print): 2394-4544*
- 10) Ch. Balaswamy, RavichanderJanapati, K.Soundararajan, "Networks Centric Localization Using Particle Swarm Optimization" at ICCSP QIS College of Engineering, Ongole, April 2014
- 11) RavichanderJanapati, Ch. Balaswamy, K.Soundararajan "Study of Localization Algorithms" Presented at ICCSP, QIS College of Engineering, Ongole, 2nd & 3rd April 2013
- 12) N.Srinivasulu, Dr.Ch.Balaswamy, Dr.K.Soundararajan, "A Protocol on Routing based on periodic route discovery for adhoc networks", 1<sup>st</sup> International Conference on Networks and Cyber Security held on January 5-6, 2012, SRK Institute of Technology, Vijayawada, pp:63-65.

- 13) Dr.Ch.Balaswamy, Sk.DariaSaheb, P.Malyadri, N.Srinivasulu, "Performance Analysis between routing protocols for Mobile Adhoc Networks", *International Conference on Electronics and Communication Engineering*" organized by IRNet(India) held at Bangalore on 20<sup>th</sup>, May 2012.
- 14) Dr. Ch. Balaswamy, N. Naga Raja Kumari, Dr.K.Soundararajan, N. Srinivasulu, "Energy Efficient Routing Protocol for Mobile Ad Hoc Networks", *International Conference on Electronics and Communication Engineering ICECE-11*, Hyderabad, India on 12<sup>th</sup> Nov., 2011.
- 15) Dr.Ch.Balaswamy, Ch. Sai KalyanaDeepthi, Dr.K.Soundararajan, "A Protocol on Periodic Route Discovery for Ad hoc networks", *International Conference on Electronics and Communication Engineering ICECE-11*, Hyderabad, India on 12<sup>th</sup> Nov, 2011, PP 44-46.
- 16) Dr. Ch. Balaswamy, Dr. K. Soundararajan, C. Pavan Kumar, "Efficient Energy Saving Routing Protocol for Mobile Ad Hoc Networks", *International Conference on Advanced Computing & Communication Technologies for High Performance Applications, Cochin, Kerala, India, 24<sup>th</sup> to 26<sup>th</sup> September 2008.*

#### LIST OF WORKSHOPSORGANIZED: 04

- ➤ Acted as **Coordinator** for the ICCSP-2014 "International Conference on Communication and Signal Processing" held on 25<sup>th</sup> − 27<sup>th</sup>, April 2014 at QIS College of Engineering and Technology, Ongole.
- ➤ Acted as **Coordinator** for the ICCSP-2012 "International Conference on Communication and Signal Processing" held on 2<sup>nd</sup> 4<sup>th</sup>, April 2012 at QIS College of Engineering and Technology, Ongole.
- Worked as Coordinator for **2-day Workshop** on "Design and Development of Antennas" from 8<sup>th</sup>-9<sup>th</sup>, Jan 2011 conducted at QISCET, Ong
- ➤ Worked as Coordinator for LAKSHYA-2010, a National Conference, at LBRCE, Mylavaram, Krishna District

#### LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED: 17

- 1. Participated in the one week Faculty Development Programme on "Machine Learning Applications in Signal Processing" *Meity, Govt. of India, sponsored and organized by the E&ICT Academy, National Institute of Technology, Warangal* at Gudlavalleru Engineering College, Gudlavalleru from 4<sup>th</sup> to 9<sup>th</sup> February, 2019.
- 2. Attended the one week Faculty Development Programme on "Internet of Things (IoT) with IB Watson" in association with department of Information Technology & Computer Science and Engineering conducted from Nov 26<sup>th</sup> to Dec 1<sup>st</sup>, 2018 at Gudlavalleru Engineering College, Gudlavalleru, Krishna Dist, Andhra Pradesh.
- 3. Attended the one week Faculty Development Programme on "Communications and Signal Processing", organized by Department of Electronics and Communication Engineering, Gudlavalleru, during 29<sup>th</sup> Oct to 3<sup>rd</sup> Nov 2018.
- 4. Participated in "6-days Faculty Development Programme on ANDROID APPLICATION DEVELOPMENT" conducted by AVLOG INFOTECH Pvt Ltd, Bangalore held from 9<sup>th</sup>-14<sup>th</sup>, January 2018 at QIS College of Engineering and Technology, Ongole.

- 5. Participated in "6-days Faculty Development Programme on BIG DATA AND HADOOP PLATFORM" organized by Department of Skill Development Centre, QIS College of Engineering and Technology, Ongole from 18<sup>th</sup>-23<sup>rd</sup>, December 2017.
- 6. Participated in "5-days Faculty Development Programme on CISCO NETWORKING" by AVLOG Infotech Pvt. Ltd held from 6<sup>th</sup>-11<sup>th</sup> December 2017 organized by Department of Computer Science & Engineering, QIS College of Engineering and Technology, Ongole.
- 7. Participated in "Faculty Development Programme on Research Methodology & Innovation" at QIS College of Engineering & Technology, Ongole on 29<sup>th</sup> November, 2014.
- 8. Participated in "Faculty Orientation Programme" at QIS College of Engineering & Technology, Ongole on 25<sup>th</sup>, August 2014 by JNTUK Centre of Excellence for E-Resource Development & Deployment (CoEeRD).
- 9. Participated in "Faculty Development Programme on Research Methodology" at QIS College of Engineering & Technology, Ongole. from 19<sup>th</sup> Oct, 2013 to 20<sup>th</sup> Oct, 2013.
- 10. Participated in NPTEL workshop organized by *National Programme on Technology Enhanced Learning (IIT Madras)* on 20<sup>th</sup>, Sep 2013.
- 11. Participated in the *One Day Workshop on "New Paradigms in the accreditation system"* at Hotel Taj Gateway, Vijayawada on 28<sup>th</sup>sep, 2011.
- 12. Two week Short Term Training Programme on "Transform Techniques in Signal Processing" from 8th June to 20<sup>th</sup> June, 2009 Under AICTE Sponsored Staff Development Programme at Laki Reddy Bali Reddy College of Engineering, Mylavaram, Krishna Dt.
- 13. Short term course on "Wireless communication & Networks" conducted by G.S. Sanyal School of Telecommunications, I.I.T. Kharagpur during 14<sup>th</sup> 19<sup>th</sup> May, 2007.
- 14. *Short term course on "VLSI Design"* conducted by Lakireddy Bali Reddy College of Engineering, Mylavaram from 22<sup>nd</sup> 27<sup>th</sup> May 2006.
- 15. Short term refresher course on "Cellular and Mobile Communications" conducted by Lakireddy Bali Reddy College of Engineering, Mylavaram from Nov. 28 Dec. 02, 2005.
- 16. Short term Intensive Course on "Digital Image Processing Applications" conducted by the Vignan's Engineering College, Guntur from 28<sup>th</sup> June 2<sup>nd</sup> July, 2004.
- 17. *Short term Intensive Course on "VLSI Design"* conducted by the Vignan's Engg., College, Guntur from 21<sup>st</sup> June 25<sup>th</sup> June, 2004.

#### **CERTIFICATIONS: NIL**

#### GUEST LECTURES DELIVERED:NIL

## MEMBERSHIP INPROFESSIONALBODIES: 03

- Life member of ISTE; No. LM74524
- Member of International Association of Engineers (IAENG); Member ship number: 125670
- Member of International Association of Engineers and Scientists (IAEST);
  Member ship number: 01304870

# **CONSULTANCYACTIVITIES:**

**NIL** 

**GRANTSFETCHED:** 

02

- Acted as Chief Coordinator for the (Modernization and Removal of Obsolescence Scheme (MODROBS) and a Grant-in-Aid of Rs. 5,28,000/- released from AICTE, New Delhi for the financial year 2012-13 to update and modernize the Microprocessors and Microcontrollers Lab. (Ref. No: 12/AICTE/RIFD/MOD(Policy-3) Pvt-97/2012-13; dated 02.03.2013).
- Acted as Coordinator for the International Conference conducted during 2<sup>nd</sup> to 4<sup>th</sup>, April 2012. AICTE sanctioned grant-in-aid towards the seminar grant. (Ref. No. RIFD/SEM/093/2011/12, dated on 06.08.2012).