

## CURRICULUM VITAE

**Mr. Ksh. Robert Singh**

Assistant Professor

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Aizawl-796004, India

### **Personal Details:**

Date of Birth: 02-02-1982

Sex: Male

Father's Name: Ksh. Ibomcha Singh

Nationality: India

Permanent Address: Singjamei Wangma Kshetrileikai, Imphal East-795008, Manipur

### **Educational Qualifications:**

Master of Engineering, 2007

Karunya University, Coimbatore, Tamil Nadu

Bachelor of Engineering: 2003

Madurai Kamaraj University, Tamil Nadu

XII : 1999

Council of Higher Secondary Education Manipur

High School: 1997

Board of secondary Education Manipur

### **Research Interest:**

- Digital Image Processing
- Computer vision
- Soft computing
- Digital design
- Microprocessors and Microcontrollers

### **Details of Previous Employments:**

- Lecturer in the Department of Mechatronics, KSR College of Technology (31/05/2007-11/04/2009)
- Faculty ( contractual) at DOEACC , Imphal ( 15/04/2009-05/04/2011)
- Assistant Engineer, Engineering Cell, Mizoram University ( 01/04/2011-20/12/2011)

**Administrative Experience:**

- Head in-charge Department of Electrical (10/02/2012-10/02/2015)

**Professional Memberships:**

- IETE ( lifetime)
- ISTE ( lifetime)

**Research Papers Reviewed for Journals:**

- IET Image processing

**Details of Professional Trainings:**

- 1) Attended a 14 days program on “ RECENT TRENDS IN INDUSTRIAL CONTROLS” sponsored by AICTE, conducted by Department of Electrical & Electronics Engineering held from 11th Nov to 24th Nov 2007 at PSG college of Technology.
- 2) Attended a 2 days workshop on LabVIEW Jointly organized by Trident Techlabs, Bangalore and K.S. Rangasamy college of Technology, held on 21st and 22nd Jan., 2008
- 3) Participated in the AICTE sponsored National Seminar on “ EMPHASIS ON FLUID POWER SYSTEM AT LOW COST AUTOMATION FOR TEXTILE INDUSTRIES” Organized by Department of Mechatronics Engineering K.S. Rangasamy College of Technology, held during 30-31 Jan., 2009.
- 4) Participated in the CSIR sponsored National Seminar on “ MICRO MECHATRONICS” Organized by Department of Mechatronics Engineering K.S. Rangasamy College of Technology, held during 10-11 Oct., 2008.
- 5) Participated in the DST sponsored National Seminar on “ SMART MATERIALS IN INDUSTRIAL AUTOMATION” Organized by Department of Mechatronics Engineering K.S. Rangasamy College of Technology, held during 24-25 March, 2009.
- 6) Attended National Symposium on Acoustic (NSA-2007) organized by K.S.R college of technology and Acoustic society of India, held during 5-7 Dec., 2007.
- 7) Participated in one week workshop on “Applied statistics”, UGC sponsored short term course. Organized by the Academic Staff College, Mizoram University, Aizawl., held during 23-28 July,2012.
- 8) Participated in ISI Sponsored workshop on “Modelling Biological Systems II”, Organized by Department of Physics, Mizoram University and Physics & Applied Mathematics Unit, Indian Statistical Institute, Kolkata, held during 21-25 August, 2012.
- 9) Participated in ISI Sponsored workshop on “Soft computing and Applications”, Jointly Organized by MIU(ISI, Kolkata) and Department of Mathematics and Computer Science, Mizoram University.(5-9 Nov., 2012)
- 10) Participated in One week course on “Research Methodology”, sponsored by ICSSR, organized by Department of Political Science, Mizoram University, Aizawl during 3-8 Sept., 2012.

- 11) Participated in national seminar cum conference on “Recent trends and techniques in Computer Science” in the department of Computer Science and Technology, Bodoland University, Assam (25th -26th March, 2013)
- 12) Participated in “Cyber Security Awareness workshop” organized by NIELIT, Aizawl. (5th Sept., 2013)
- 13) Attended One week short term course on "SPSS", organized by ASC, MZU, Sponsored by UGC, held during 2-7th Dec. 2013.
- 14) Attended 14th orientation course, sponsored by UGC, organized by ASC, MZU, held during 19 June-16 July, 2014
- 15) Attended Short term course on " Academic Administrators workshop", organized by ASC, MZU, UGC sponsored, held during 12-14, Nov. 2014
- 16) Participated in one week short term course on “Instrumentation” during 22nd -28th July, 2014 organized by Academic Staff College, Mizoram University, Aizawl.
- 17) Attended UGC sponsored “Special Summer School/Refresher course” during 7th - 27th June, 2016, at Mizoram University, Aizawl.
- 18) Participated in work shop on “exploring cancer genome" during 22nd -27th, Feb. 2016, organized by Dept. of Biotechnology, Mizoram University, Aizawl.
- 19) Participated in One week workshop on “Advances in Image Processing and soft Computing Techniques” held during 20th -24th February, 2017 at NIT Silchar.
- 20) Participated in “LEARN VERILOG HDL” at Dept. Of Electrical Engineering, NIT Silchar, During 29th -31st , March 2016.
- 21) Participated three days National workshop on “Integration of art and modern technology in architecture” organized during 26th -28th March, 2018, at Department of Planning and Architecture, Mizoram University, Aizawl.
- 22) Participated Five days National workshop on “Surveying by total station” organized during 7th -11th May, 2018, at Department of Civil Engineering, Mizoram University, Aizawl.

#### **Seminar/Symposia/Workshop Organized:**

- Co-Ordinator for workshop on " Lab-View and MultiSim" organized by Micro-Pro in association with Dept. of Electrical Engineering, MZU, on 28-29, April, 2014
- Co-Ordinator for National Network security championship-India, held in association with Acm IIT Delhi at Dept. of Computer Engineering, MZU, during 3-4, March, 2014.
- Co-Ordinator for 2 days workshop on “ Electrical distribution in MZU campus and internal electrical wiring” in the Department of Electrical Engineering during 9-10 October, 2014

#### **Research & Teaching Experience**

Research: 3.5 Years

Teaching:                   UG           10 Years

PG+Ph.D.                   2 Years

Total Number of Publications

- i. Research Papers: 08
- ii. Books/Book Chapters: 01

**Citation Details (as on October, 2018)**

	Google Scholar	Scopus
h index	02	.....
i10 index	.....	.....
Total Citations	16	05
Cumulative Impact factor	05	

Link for Google Scholar:

[https://scholar.google.co.in/citations?view\\_op=list\\_works&hl=en&user=zMu5pzEAAA](https://scholar.google.co.in/citations?view_op=list_works&hl=en&user=zMu5pzEAAA)

Link for Research Gate or Scopus: [https://www.researchgate.net/profile/Robert\\_Singh6](https://www.researchgate.net/profile/Robert_Singh6)

**Expert Talk/Chaired Technical Sessions:**

- Special talk/lecture on " Fundamentals of Digital Image Processing", during 1 day workshop on career opportunities in ESDM sector, organized by NIELIT, Aizawl and IETE Imphal Centre on 1/11/2013
- Deliver a special lecture on " sensors and transducers", during 1 day workshop on " career opportunities in ESDM sector" organized by IETE imphal centre and Dept. of ECE, MZU

## Full Details of Published Papers:

### A. Book/Book Chapters

- i. " An approach to cereal grain classification" Lambert Academic Publishing, April-2015, ISBN: 978-3-659-69371-7

### B. Research Papers

1. " comparison of Hopfield and backpropagation approach for cereal grain classification" for the national conference held in G.C.T Coimbatore (march 2007)
2. "Artificial neural network for automatic recognition and classification of food grain" for the national conference held in K.I.T.S Coimbatore (march 2007)
3. "Discrete Hopfield network for classification of food grains", International Journal of Electrical Engineering and Technology (IJEET), July- September (2012), Volume 3, Issue 2, ISSN 0976 – 6545(Print), ISSN 0976 – 6553(Online): pp. 383-393
4. "Fingerprint indexing and verification", International Journal of computer Science Engineering and Information Technology, June-2013, Vol-3, Issue-2, ISSN (Print):2249-6831, ISSN (online):2249-7943, pp.167-176
5. "Study of Mutual fund trading strategy Using TPSO & MACD", International journal of computer science and information technology, Vol-5(1), feb. 2014, PP: 884-891.
6. "Color and texture features for classification of bulk grain using artificial neural network" International Journal of New Inovations in Engineering and Technology, Vol-4(1), Nov. 2015, ISSN: 2319-6319.
7. "Efficient technique for rice grain classification using back propagation neural network and wavelet decomposition", IET computer vision, Dec-2016, Vol 10, issue-8, pp: 780-787, ISSN: 1751-9632.
8. "A comparison of gray level run length matrix and gray level co-occurrence matrix towards cereal grain classification", International Journal of Computer Engineering and Technology, Vol-7(6), Nov-Dec., 2016, ISSN: 0976-6367.