



CURRICULUM VITAE

Present Address

Er. VIKRAM DHIMAN

Urban Estate, Phase II.

Jalandhar (Punjab)

Mob: - +918283877786

Total Experience -14 years

E-mail:- er.vikramdhiman@gmail.com.
vikramdhiman@lkcengg.edu.in.

IEEE Member: 94051259

Section: Delhi Section

Present job: - Currently Working with L.K.C.T.C. Jalandhar, Assistant Professor, Computer Science Department.

Subject Taught: Internet of Things, Wireless Sensor Network, Blockchain, Operating System, System Programming, Simulation and Modulation, Data Structure and Computer Network II, C Language, Development of societies, Problem-solving through programming.

❖ Other role and responsibility

- Co-chair and technical committee member in International conference 2019 organized by L.K.C.E. & KCL-IMT in collaboration with I.K.G.P.T.U. and the University of Kwazulu-Natal, South Africa. – (I.C.E.T.E.M. 2019)
- Introduction to the Internet of Things certificate is awarded N.P.T.E.L. Jul-Oct 2019 Elite.
- Problem-Solving through Programming in C certificate is awarded N.P.T.E.L. Jan-Apr 2019 Elite.
- Redhat Academy R.H.A. Administrator of L.K.C.E.
- Counselor IEEE LKCE student Chapter since 2019.
- SPOC SWAYAM NPTEL Local Chapter from 2017.
- N.B.A. Research Consultancy and Entrepreneur Committee Coordinator 2019.
- Admission Cell Coordinator since 2017 (Himachal Pradesh & Punjab).
- Co-chair and technical committee member in International conference 2017 –(I.C.A.I.C.R. 2017 Springer)

Working at Lyallpur Khalsa College Since: Jan-2016 – Till date.

❖ Working on Project Year 2019:

SDN-WISE Contiki Cooja for performance evaluation of the SDN WSN network.

❖ Working on Project Year 2017:

Working with K.N.I.M.E. tool for big data analytics.

❖ Worked on Project Year 2016:

Working in big data analytics using Docker and Kubernetes service over Cloud.

Designed an efficient map-reduce paradigm for big data analytics over the Cloud.

Project outlines the energy consumption and performance in the Cloud.

❖ **Project Completed Year 2015:**

1. Emergency Notification for disaster recovery in 2016: (IP-NES-2015):

In this project the Android application installed in many phone used to connect and collect the existing information of the person in case of catastrophic situation, lead to very Prolific in communication and helps in recovery of humans stuck during the disaster.

2. B.S.N. (Wireless Body Sensor Network) Remote Health Monitoring Android Application (BSN-2015):

In this project, the temperature of human body is detected using LM35 sensor and Arduino circuitry. This data is sent over web via Bluetooth module HC05. The application has various other modules like food suggestions for the patient, emergency contacts, graphical data representation, demography link to other similar applications, diet planner etc.

❖ **Research & Patent Published Year 2021:-**

Australia Patent Title: A novel Sustainable Stubble Burner for Cooking Purpose: **E-CLEOR**(ECO Clean Fuel Apparatus), Application number 2021102311, type Innovation.

Published Research Paper on Topic “Improvise Route Discovery and Radio Duty Cycle using Software Defined-Wireless Sensor Network”. W-SDN in IJNGC Vol. 12 issue 3 May 2021 ESCI.

❖ **Research Paper Published Year 2020:-**

Published Research Paper on Topic “HANET: A REMOTE SENSING AIRBORNE ARCHITECTURE FOR MULTI-FUNCTION ADHOC,” vol. 11, no. 5, pp. 454–470, 2020. Scopus indexed

Published Research Paper on Topic “A radical study of energy efficient hierarchical cluster-based routing protocols for WSN,” *Int. J. Electr. Eng. Informatics*, vol. 12, no. 3, 2020, doi: 10.15676/ijeei.2020.12.3.4. Scopus indexed

Published Research Paper on International conference 2020 organized by L.K.C.E. & KCL-IMT in collaboration with I.K.G.P.T.U. and University of Kwazulu-Natal, South Africa. – (I.C.E.T.E.M. 2020)

❖ **Research Paper Published Year 2019:-**

Published Research Paper on International conference 2019 organized by L.K.C.E. & KCL-IMT in collaboration with I.K.G.P.T.U. and University of Kwazulu-Natal, South Africa. – (I.C.E.T.E.M. 2019)

❖ **Research Paper Published Year 2018:-**

Published Research Paper on Topic Enhanced Reliability using B.F.O. for S.E.P. Protocol in Heterogeneous W.S.N.'s in IEEE conference I.C.S.C.C.C. 2018 at N.I.T. Jalandhar

❖ **Research Paper Published Year 2017:-**

1. Published Research Paper on Topic” Comprehensive Review of Open Source Tools and Cross Layer Approach for Fast Growing Android Market Volume 5 Issue 13 Pages P.P.: 62 – 68, ISSN: 2321-8169.
2. Published Research Paper on Topic” A Comprehensive Survey of Location Based Routing in Vehicular Networks Volume 7 Issue www.mecspress.org/ijwmt/v7n1.html Pages PP.40-48 Publisher I.J.W.M.T.
3. Published Research Paper on Topic” IEEE Xplore Pragmatic approach to conquer Security Perturbation in cloud computing using level classification.
4. Published Research Paper on Topic Predictive Big data analysis for Machine learning using K.N.I.M.E. to solve many business challenges. IIC-STEMPH Singapore International Interdisciplinary Conference on Science, Technology, Engineering, Management, Pharmacy and Humanities.

❖ **Research Paper Published Year 2016:-**

1. Published Research Paper on Topic "An Opinion Dynamics Based Advance S.E.P. in Three Level Heterogeneous W.S.N. 2016 Book Emerging Research in Computing, Information, Communication and Applications Pages 643-658 Publisher Springer Singapore.

❖ **Research Paper Published Year 2015:-**

1. Ameliorated Location Aided Routing Protocol in V.A.N.E.T. Journal International Journal of Applied Engineering Research Volume 10 Issue 10 Pages 26231-26244 Publisher R.I.P.
2. Energy efficient distributed flooding time synchronization Protocol for Heterogeneous W.S.N.'s Journal International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10 Issue 18 Pages 39179-39183 Publisher R.I.P.
3. A Survey of Energy Consumption Routing Protocols in Wireless Sensor Networks Authors Vikram Dhiman Virpal Kaur Publication date 2015 Conference 21st I.R.F. International Conference Pages 65-69.
4. Performance Investigation of Energy Aware Routing Protocol for Heterogeneous W.S.N.s Publication date 2015 Book Emerging Research in Computing, Information, Communication and Applications Pages 239-251 Publisher Springer India.

❖ **Research Paper Published Year 2013:-**

1. Published Research Paper on Topic "Bio Inspired Hybrid Routing Protocol for W.S.N.s" at I.J.A.R.E.T. Vol 1, Issue IV, May 2013.

❖ **Research Paper Published Year 2009:-**

1. Published Research Paper on Topic "Open Source Software (O.S.S.)" at National Conference 2011 in Baba farid group of Institute Deon Muktsar.
2. Published Research Paper On Topic "Current Information Technology Trends in India (C.I.T.T.I.)" at National Conference 2011 in D.A.V. College Bhatinda (CAMA).

❖ **M. Tech Student Supervisor:**

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|----------------|---|
| 1) Amit Kumar | Face Detection |
| 2) Ikjot saini | AMELIORATED LOCATION AIDED ROUTING IN VANET |
| 3) Virpal Kaur | V.A.N.E.T. |
| 4) Reema | Big Data Analytics algorithms. |

❖ **Technical reviewer** for the Journal of Big Data, Springer, <http://www.springeropen.com/journals>.

❖ **Technical reviewer** for the Journal of IEEE.

❖ **Workshop Participated 2021:-**

AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "BlockChain Technology: Current Trends and future aspects in Smart Grid" from 2021-7-12 to 2021-7-16 at Gyan Ganga Institute of Technology and Sciences

❖ **Workshop Organizer I.O.T. 2016:-**

Two day Work Shop with National level Challenge in association with I.I.T. Bombay at L.K.C.E. work as a coordinator to organized a giant event first time in north zone of India.

❖ Workshop Participated 2016:-

One week Work Shop on Data Analytics and Big Data between 23- May-2016 to 28- May 2016 at U.I.E.T. Punjab

❖ Workshops Participated 2014:-

Workshop on **Mobile Computing and communication** (MCC-2014) June-30 to July 04, 2014 at N.I.T. Delhi.

- ❖ Workshop on “**CYBER FORENSICS**” 29th & 30th Sep 2014, at Chennai Saveetha school of Engineering. The workshop gather eminent speakers and scholars engaged in field of cyber security.

Previous job: - Working with L.P.U. Phagwara, Assistant Professor, Computer Science Department

Subject Taught: Computer Network, Mobile Computing, Intrusion Detection and Prevention System, Cyber Law.

Since 27 Jan 2014 –15-Dec-2015. (Total 2 year)

Previous job: - Worked with C.E.M. College Kapurthala, Computer Science Department

Maintaining college website and providing solution for productive Problem, Knowledge Sharing.

Since Aug 2010 – Jan 2014. (Total 3.5 year).

Previous job:-

Worked with **N.I.T.** (National Institute of technology Hamirpur) Himachal-Pardesh, Since Jan 2009 – June 2010. (Total 1.5 year). Subject Taught: C language, Mobile Computing, Linux and Discrete Mathematics.

Previous job:-

Worked as a System administrator with Electronics Corporation Of India Ltd, New Delhi at **Parliament house** site, Since Aug 2007- Jan 2009 (Total 1.5 year).

- Maintenance the server and take Database Backup daily.
- Documentation and Knowledge sharing.
- Managing Linux based system, Web Server, Mail Server & MySql .

SKILLS

Linux, Web Server, MySql, HTML, Send Mail, Web Designing and PHP (to complete my LAMP STACK), C programming. Scratch programming for designing games.

OTHER SKILLS:-

P.L.C. (Ladder Program) and Embedding kernel, Networking, Switch Configuration and Hardware, Ipv4 to Ipv6 conversion.

Summer Trainings:-

*** Site: N.H.A.I. Headquarters**

Role: Setting up and managing the networks of N.H.A.I. Headquarter including setting up of Window 2003 Server and file server

B. Tech Minor Project: Linux Infrared Remote Control

* Configuring X.M.M. player through infrared remote using shell programming in Linux.

B. Tech Major Project: Embedded Linux Kernel for play station . * Modified Linux kernels to make it compatible with play station.

PROJECT INFORMATION

Project Integrated Security System

Organization R.K.P.L. Client **Govt E.C.I.L.** New Delhi.

Client Parliament House, Govt. of India.

Role System Administrator

Platform Aix Server, L.I.N.U.X., UNIX

Technology SendMail, Web Server, Samba Server and Shell Scripts.

Duration Aug 2007 –Jan 2009.

PROJECT DETAIL

In “INTEGRATED SECURITY SYSTEM” project access control system is developed which controls the process and vehicles

movement in-side parliament house complex. “RF Tag” and “Bar Code” pass is provided to persons and vehicles, and only valid tag holder can go from that particular area for which he is permitted.

ACHIEVEMENTS AT WORK

- Delivered lecture in one week short term course on programming in java proja-10
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- Configuration of various servers on Linux platform.
- E-Mail Client support for P.O.P. 3 EMAIL servers.
- Appreciation Award 2017 LKCE

PROFESSIONAL QUALIFICATION

B.Tech (computer science)	HIMACHAL PARDESH University	2007	61.1%
M.Tech (computer science)	NIT (National Institute of Technology) Jalandhar	2013 Completed	7.82 CGPA
PhD 2015 (Computer Science)	IKGPTU	Prethesis	submitted
Red Hat Certified	R.H.C.E. Certification No :- 805008500633213	Overall Score: 100 %	

PERSONAL INFORMATION

Father’s Name: Shri Yuvraj Dhiman.
Mother’s Name: Smt Veena Dhiman.
Gender: Male.
Marital status: Married.
Hobbies: Reading playing keyboard, Reading a magazine, and Web browsing, Crypto-Trading .