

Dr. AMARJIT SINGH

119, Gautam Nagar, Basti Bawa Khel, Jalandhar, PUNJAB, INDIA

Hand Phone: **9779809181, 7009445075** Email: **Amarjit.rhce@gmail.com**

www.linkedin.com/in/amarjit-singh-kalsy

PROFESSIONAL SUMMARY

- Collaborate with industry and research institutions towards learning and co-creation of contents in the fields of **ANN, Wireless Networks**.
- Experience as **Freelancer for consulting and training** in areas of **Networking Concepts (Linux) 50 training courses delivers across in India**, classification with expertise on **GCP, Azure, AWS**.
- Mentor research investigations for under-graduate and post-graduate students in the areas including networking field.
- Experience of around 11 years in teaching UG/PG students of computer science mentoring students and projects in the area of administration and Networks security, networking and linux administration.

SKILL SET

- | | |
|-----------------------------|-------------------|
| • Linux | Wireless Networks |
| • Networking Administration | MANETs |
| • Cloud Services | MATLAB |
| • Scripting | Network Security |

PUBLICATIONS

1. "End to end Delay using AODV-Neural Networks to Improve Performance of Manets" International Journal of Recent Technology and Engineering (IJRTE), Elsevier and Scopus indexed journal, VOL 7.
2. "Comparative Study on Routing Protocol in Mobile Ad Hoc Networks using Soft Computing Techniques" IJCSE, Vol.7, Issue.2, pp.859-867, Feb-2019.
3. "Energy-Efficiency in Mobile Ad hoc Network using Artificial Neural Networks," Int. J. Res. Electron. Comput. Eng., vol. 7, no. 2, pp. 922–926, 2019.
4. "Performance Improvement in AODV Routing Protocol Using Artificial Intelligence" 3rd International Conference on Computing for Sustainable Global Development, IEEE, March 2016.
5. "Mobile Ad Hoc Network Routing Protocol and its Challenges – A Survey", International Journal of Computer Applications (IJCA) (0975-8887), Vol.108, No.1, December 2014.

CERTIFICATIONS

- Earned the title **Red Hat Certified Engineer (RHCE)** global certification number is 805009247042747.
- Earned the level of **HCL Certified Engineer**.
- Courseracertification on “**Cloud Computing Basics (Cloud IoT), Learn Quest**”.
- Courseracertification on “**Industrial IoT on Google Cloud Platform, Google Cloud**”.
- Courseracertification on “**Google Cloud Platform Fundamental for AWS Professionals, Google Cloud**”.

EDUCTAION

Ph.D.: Quality of Services in Mobile Ad Hoc Networks using ANN

IKG Punjab Technical University – Jalandhar, PB

- Coursework includes: Research Methodology, Network Security and Infrastructure.
- Title: On Enhancement of Quality of Services in Mobile Ad Hoc Networks
- Tool Used: MATLAB R2013a
- Enhancement of QoS in MANET using Artificial Neural Networks. Algorithm developed for End-to-End Delay and Energy Efficiency with combination of MANETs protocols. Comparison plots are also developed for result analysis.

Ph.D. Status: Completed, 2022

M.Sc.: Network and Protocol Designing, 2008

Guru Nanak Dev University – Amritsar, PB.

B.Sc.: Information Technology, 2003

Guru Nanak Dev University – Amritsar, PB.

WORK

1. **Jaspo Worldwide:** IT Administrator – Jalandhar, PB Tenure Aug 2019 to Present.
2. **Hitachi Systems Micro Clinic Pvt Ltd** - Team Leader – Jalandhar, PB Tenure 1.2 years from Sep 2016 to Nov 2017. Work profile includes working with industry to access technology areas.

3. **CT Group of Institutions** – Jalandhar, PB- Overall Tenure 4.9 years

Assistant Professorin Computer Applications, 7/2011 to 4/2016 – Tenure 4.9 year
CT Institute of Engineering Management & Technology – Jalandhar, PB

4. **HCL Infosystems** – Jalandhar, PB Tenure 1.8 years

Technical Trainer from April 2010 to April 2011.

Work profile includes various industrial courses and teaching from various domain.

System Updater from March 2009 to Nov 2009.

Maintained server monitoring and worked on HCL projects and data collection process.

5. **Click Eng Inc-** Network Administrator Tenure 0.6 years from Sep 2008 to Feb 2009.

CONFERENCES & FDP'S

Participated Webinar on **Research in Digital Age – Problems and Opportunities**, 12 June 2020 organized by BVICAM, New Delhi

Online Faculty Development Programme on “**BIG DATA ENGINEERING**” Organized by Kings Engineering College Chennai, 01 June 2020 to 05 June 2020)

IKG PTU Sponsored Conference on “**LATEX- A Powerful Tool for Thesis & Report Writing**” organized by the Department of Electronics & Communications Engineering & Computer Science Engineering at CT Institute of Technology & Research, Jalandhar, India Nov 17, 2015.

ISRO, IKG PTU Sponsored Conference on “**International Multi Track Conference on Sciences, Engineering & Technical Innovations (IMTC 2015)**” organized by the CT Institute of Engineering, Management and Technology, Jalandhar, India May 22 & 23, 2015.

IKG PTU Sponsored Conference on “**International Multi Track Conference on Sciences, Engineering & Technical Innovations (IMTC 2014)**” organized by the CT Institute of Engineering, Management and Technology, Jalandhar, India May 22 & 23, 2014.

IKG PTU Sponsored National Conference on “**Higher Education in India: The Changing Facet**” Organized by CT Institute of Engineering, Management and Technology, Jalandhar, India 4, 5 Jan, 2013.

Faculty Induction Programmed organized by the CT Institute of Engineering, Management and Technology, 27 July to 29 July 2011.

Lyllapur Khalsa College Organized workshop on “**Networking & Database Technology**” from 17 Dec to 23 Dec 2004.

RESPONSIBILITIES HANDLED

Prepared Course about the **Certified Information Systems Security Professional Certification Training**, NANO Cell Networks.

Prepared Course about the **Red Hat 8.0**, NANO Cell Networks.

Prepared Course about the **Certified Ethical Hacker**, NANO Cell Networks.

Prepared Course about the **Red Hat Stack**, NANO Cell Networks.

Member Organizing Committee, National Student Symposium: Managing Innovations in Science & Technology MIST-16, CTIEMT, Shahpur 30th-31st March 2016.

Member Organizing Committee, International Multi track Conference on Sciences, Engineering & Technical Innovations (IMTC-15), CTIEMT, Shahpur 22nd 23rd May 2015.

Member Organizing Committee, National Student Symposium: Managing Innovations in Science & Technology MIST-15, CTIEMT, Shahpur 30th-31st March 2015.

Member Organizing Committee, International Multi track Conference on Sciences, Engineering & Technical Innovations (IMTC-14), CTIEMT, Shahpur 3rd – 4th June 2014.

Coordinator, TECHONOID 2014, National Tech Fest, CTIEMT, Shahpur 3rd June 2014.

Coordinator, Examination Section, CTIEMT, Shahpur, 2013-2016.

REVIEWER

Technical Committee Member in upcoming 5th International Conference on Knowledge Engineering (ICKE 2019).

Technical Committee Member in upcoming 7th International Conference on Information and Education Technology (ICIET 2019).

Committee Member 6th International Conference on Information and Education Technology (ICIET 2018).

Nominated reviewer by ICIET Organizing Committee which is held 2016 Tokyo.

MEMBERSHIP

Member of Computer Science Teachers Association (CSTA).

Member of International Association of Engineers (IAENG).

Associate Member of Universal Association of Computer and Electronics Engineers i.e. UACEE (<http://uacee.org>), The IRED.

I look forward to make positive contribution with my best efforts to create value towards Organizational and team goals.

Thanks and regards

Mr. **AMARJIT SINGH**

Place: Jalandhar, PB