

Jugminder Kaur

M.Tech ECE

Ludhiana

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Objective

To gain employment with an organization where my knowledge and skills can be utilized effectively towards achieving organization aims and individual goals.

Professional Summary

- **Experience and Employment History (5 Years Teaching Experience)**

Currently working as an Assistant professor in the Department of Electronics & Communication Engineering in LKCE, Jalandhar.

#Worked as an Assistant Professor in the Department of Electronics & Communication Engineering in Ludhiana College of Engineering & Technology (PTU), Katani Kalan Ldh[Aug, 2015- jul, 2016].

#Assistant Professor in the Department of Electronics & Communication Engineering in Arni University, [HP] from Sept 2010 to Nov, 2014 [4 years 2 months].

Responsibilities Handled:

- Member of “The Indian Society for Technical Education” (ISTE).
- Member of Technical & Cultural committee that guides students in organizing various events.
- Collaborate with colleagues to address teaching issues.
- Participating in campus and community events.
- Keeping abreast of developments in the field by participating in various faculty development programmes.

Publications

- Published paper on, “**Secure Trust Based Key Management Routing Framework for Wireless Sensor Networks**”, in Hindawi Journal of Engineering, vol. 2016, Article ID 2089714, 9 pages, Jan 2016.
- Published paper on, “**Secure Group Communications and the Services to countermeasure the Attacks**” in International Journal of Electronics & Communication Technology, Vol. 4, Issue. 3, April - June 2013.

Academic Qualifications

Masters	: M.Tech in Electronics and Communication Engineering from Guru Nanak Dev Engineering College Ludhiana with 71% marks.
Bachelors	: B.Tech in Electronics and Communication Engineering from Sant Baba Bhag Singh Institute of Engineering and Technology (PTU) with 82% marks.
Senior Secondary	: 12 th with 76% marks from K.V No. 1, AFS Adampur under CBSE board.
Secondary	: 10 th with 72% marks from K.V No. 1, AFS Adampur under CBSE board.

Thesis Description

Topic Name	: Secure trust based key management routing framework for Wireless Sensor Networks
Environment	: Matlab R2013a
Description	: A secure trust aware key management routing framework is designed that establish a secure trustworthy route by isolating the malicious or compromised nodes from the route and create a dedicated link between every pair of nodes in the selected route to ensure data delivery to destination.
Responsibilities	: Simulation of the STKF and comparison with other traditional secure routing protocols.

Strengths

- Can easily adapt to changing environment.
- Organized, team oriented leader who works well on my own, with fellow employees & management.
- Keen to acquire more technical knowledge.
- Highly motivated individual who is always willing to put that extra bit of effort into any assignments that I undertake.
- My strongest assets I believe are my ability to concentrate for a long period of time, my willingness to confront difficult problems & the will to perform under pressure.

Interest and other activities

- **Interests and Hobbies:** My hobbies include a love for music, reading books, playing games, watching movies.
- **Extra-curricular Activities:** Organized various cultural and technical events.
Participated in various skits, plays, dance at college level.
Organized one act play based on self creativity and imagination skills.

Personal Details

Husband's Name	: Er. Harpreet Singh
Date of Birth	: Nov 30 th , 1988
Permanent Address	: House no.-260, B-1, 678 Upkar nagar, st no.-4, civil lines Ludhiana, Punjab-141001.

Er. Jugminder Kaur