VARSHA BHAT K

emal-id : varsha.bhat@iitrpr.ac.in

Department of Computer Science and Engineering

Indian Institute of Technology Ropar, India - 140001

EDUCATION

Indian Institute of Technology Ropar   *July 2013 - Present*
PhD Scholar, Dept. of Computer Science and Engineering
Advisor : Dr. Sudarshan Iyengar

Dayananda Sagar College Of Engineering, Bangalore, India   *2009 - 2013*
B.E in Computer Science and Engineering

RESEARCH INTERESTS

Social Networks, Secure Computation, Applied Graph Theory

PUBLICATIONS

1. Secure Multiparty Construction of a Distributed Social Network
   Varsha Bhat Kukkala, Jaspal Singh Saini, and S. R. S. Iyengar
   Proceedings of the 18th International Conference on Distributed Computing and Networking.
   ACM, 2017.

2. Privacy preserving network analysis of distributed social networks
   Varsha Bhat Kukkala, Jaspal Singh Saini, and S. R. S. Iyengar
   Proceedings of the 12th International Conference on Information Systems Security.
   Springer International Publishing, 2016.

3. Secure multiparty graph computation (Poster)
   Varsha Bhat Kukkala, Jaspal Singh Saini, and S. R. S. Iyengar
   Proceedings of the 8th International Conference on Communication Systems and Networks.
   IEEE, 2016.

RESEARCH EXPERIENCE

- Indian Statistical Institute Chennai Centre
  Summer Internship (2011)
  Mentor : Prof. C. Pandu Rangan, Dr. Sudarshan Iyengar

- Indian Institute of Science
  Winter Internship (2013)
  Mentor : Prof. N Viswanadham, Dr. Sudarshan Iyengar

RESEARCH TALKS

- "Privacy Preserving Analysis of DSSNs" - at the National Mathematics Initiative School/Workshop on Secure Multiparty Computation, March 2017.

- "Secure Multiparty Construction of a Distributed Social Network" - at the International Conference on Distributed Computing and Networking, January 2017.

- "Privacy preserving network analysis of distributed social networks" - at the International Conference on Information Systems Security, December 2016.

- "Secure multiparty graph computation" - at the International Conference on Communication Systems and Networks, January 2016.

- "Multiparty Computation meets Network Theory" - at the Workshop on Networks and Games, December 2015.

- "Secure multiparty graph computation" - at Cynosure, the annual research day of the department of mathematics IIT Ropar, November 2015.

TEACHING EXPERIENCE

Discrete Mathematics (Teaching Assistant)	*Spring 2017, 2015*
Computer Architecture (Teaching Assistant)	*Fall 2016*
Introduction to Computing (Teaching Assistant)	*Spring 2016*
Digital Image Analysis (Teaching Assistant)	*Fall 2015*
Network Science (Teaching Assistant)	*Fall 2015*
Data structures (Teaching Assistant)	*Fall 2014*
Cryptology (Teaching Assistant)	*Spring 2014*
Advanced Software Architecture (Teaching Assistant)	*Fall 2013*