

**Title of the thesis**

by

Candidate name

Roll. No.: Candidate roll number



**ABV-INDIAN INSTITUTE OF INFORMATION  
TECHNOLOGY AND MANAGEMENT GWALIOR (M.P.),  
INDIA**

- This slide includes research motivation behind taking up this topic. You may tell a little about the research gap as well. (1 slide)

- This slide includes recent research in the addressed area. (1 slide)

# Review of key related research

- This slide includes potential shortcomings of the cited research with respect to your perceived hypothesis (2-3 slides)

- This slide includes 2-3 clear objectives that you plan to achieve during the master thesis. The objectives must not be verbose and should contain key words. Include mathematical expressions if necessary. (1 slide)

# Novelty of the proposal

- This slide should highlight the novelty in your proposed solution and what is the innovative addition made by proposed solution in state-of-the-art or current research in the respective area. (1 slide)

- This slide includes your action plan indicating the expected deliverable and the plan to meet the set objectives. (2 slides)

- This slide includes the expected research outcome in terms of new technology/process/algorithms to be developed during the course of the research. (1 slide)





Mohamed Younis, Izzet F Senturk, Kemal Akkaya, Sookyoung Lee, and Fatih Senel.

Topology management techniques for tolerating node failures in wireless sensor networks: A survey.

*Computer Networks*, 58:254–283, 2014.



Sumanth Yenduri and Chabli Boler.

Resilient multi sink networks using simplistic hop based routing.

In *Proceedings of the 2014 11th International Conference on Information Technology: New Generations*, pages 192–195.

IEEE Computer Society, 2014.



Xiaofeng Han, Xiang Cao, Errol L Lloyd, and Chien-Chung Shen.

Fault-tolerant relay node placement in heterogeneous wireless sensor networks.

*Mobile Computing, IEEE Transactions on*, 9(5):643–656, 2010.



A. Seetharam, A. Bhattacharyya, M.K. Naskar, and A. Mukherjee.

Estimation of node density for an energy efficient deployment scheme in wireless sensor network.

In *Communication Systems Software and Middleware and Workshops, 2008. COMSWARE 2008. 3rd International Conference on*, pages 95–98, Jan 2008.



Lilia Paradis and Qi Han.

A survey of fault management in wireless sensor networks.

*Journal of Network and Systems Management*, 15(2):171–190, 2007.



Quang Gao, Keith J Blow, David J Holding, Ian W Marshall, and XH Peng.

Radio range adjustment for energy efficient wireless sensor networks.

*Ad hoc networks*, 4(1):75–82, 2006.



Qiangfeng Jiang and D Manivannan.

Routing protocols for sensor networks.

In *Consumer Communications and Networking Conference, 2004. CCNC 2004. First IEEE*, pages 93–98. IEEE, 2004.



Shu Hui Chen.

*Multipath on-demand routing in sensor network topologies.*

PhD thesis, UNIVERSITY OF HAWAII  $\dot{\text{S}}$ I, 2003.



Charles E Perkins and Elizabeth M Royer.

Ad-hoc on-demand distance vector routing.

In *Mobile Computing Systems and Applications, 1999.*

*Proceedings. WMCSA'99. Second IEEE Workshop on, pages*  
90–100. IEEE, 1999.