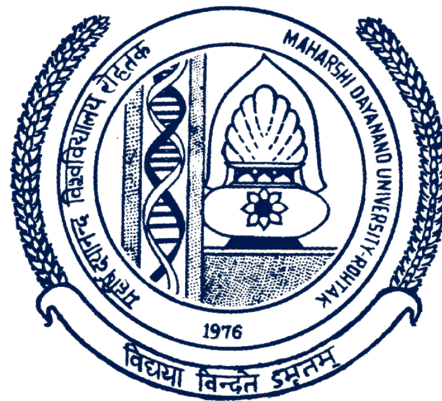


# Improved Metaheuristics for Routing in Wireless Sensor Networks

**Satvir Singh**

[Registration No.: 2005/Engg. & Tech./07 Dated: 14.06.2005]



*Thesis submitted in partial fulfillment of the requirements for the degree  
of Doctor of Philosophy under the supervision of  
Professor Jasbir Singh Saini and Professor Arun Khosla*

FACULTY OF ENGINEERING & TECHNOLOGY  
(*Electronics & Communication Engineering*)

**MAHARSHI DAYANAND UNIVERSITY  
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Under the Guidance of

**Arun Khosla, Ph.D.**

*Associate Professor*

Department of Electronics & Comm. Engg.

Dr. B. R. Ambedkar

National Institute of Technology,  
Jalandhar, Punjab

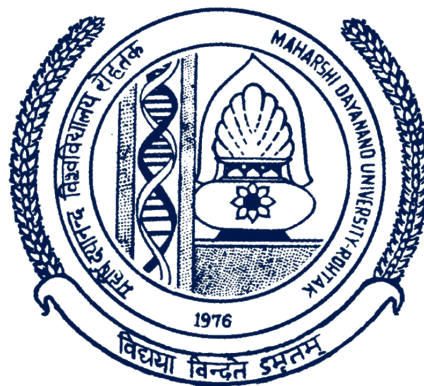
**J. S. Saini, Ph.D.**

*Professor & Chairman*

Department of Electrical Engineering

Deenbandhu Chhotu Ram

University of Science & Technology,  
Murthal, Sonapat, Haryana



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