

ANIL KUMAR KATTI

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Research Interests

- Wireless Sensor Networks; Algorithms; Mathematical Modeling.

Academics

- **National Institute of Technology**—Surathkal, India
Bachelor of Engineering (Computer Science and Engineering)
 - GPA: 4
 - Graduation Date: June, 2006
- **JKV Composite PU college**—Bangalore, India
12th Standard
 - Percentage: 89.5
 - Common Entrance Test Rank: 16 out of 150000

Research and Training Experience

- **Worked on Localization in Adhoc Wireless Sensor Networks:** Design and Mathematical modeling of Localization Technique specific for Adhoc Wireless Sensor Networks using mobile beacon technique.
- **Worked on Mobility Models:** Design a Analysis of Optimal Virtual Beacon Placement mobility model which suits well for Localization process of WSN aided by a mobile beacon.
- **Industrial Training in NAL, Bangalore:** Designed a few models for SigNAL - Inhouse signal process software at NAL.

Publications

- Anil Kumar Katti, Srinath TV, Ananthnaraya VS: **Analysis of Mobile Beacon aided In Range Localization scheme in Ad Hoc Wireless Sensor Networks** IWCMC 06, Vancouver, Canada.
- Anil Kumar Katti, Srinath TV, Ananthnaraya VS: **Optimal Virtual Beacon Placement Mobility Model for In Range Localization in Ad Hoc Wireless Sensor Networks** EWSN 2007, Delft, The Netherlands: Paper in queue.

Teaching Experience

- Conducted a workshop on ROBOTICS as a part of BE TECH, Organized by IEEE NITK students chapter.
- Conducted a course on System and Thread programming in Linux, Organized by IEEE NITK students chapter.
- Conducted a course on Network programming in Linux, As a part of TUXRIDEŠ05, Conducted by WEB CLUB, NITK Surathkal.

Industry Experience

- Versata

Bangalore, India
Technical Analyst: July 2006–present

Academic Awards and Prizes Won

- Secured 16th Rank (Engineering Entrance) out of 150000 and 7th Rank (Medical Entrance) out of 70000 in CET, State level Common Entrance Test conducted by State government.
- Secured 1st Place in FOLLOW ETERNITY (Automated line following Robotics Competition) at TECHKRITI 05, National Level Technical festival conducted by IIT Kanpur.
- Secured 1st Place in AUTOMATA (Automated light following Robotics Competition) at ENGINEER 05, National Level Technical festival conducted by NITK Surathkal.
- Secured 10th place in ABACUS, Online programming contest organized by Anna University.
- Finalist in C'on'test – A Software Design and Debugging Contest during Tarang-2004 organized by SPECTRA, Dept of ECE, NITK Surathkal.

Final Year BE Project

- **Probabilistic modeling of Localization Parameters in Wireless Ad Hoc Wireless Sensor Networks.**

Projects

- **Automated Robotic Projects:(Microcontrollers and Algorithms).**
 - Design and implementation of a Robot to perform task of following a line to reach the destination intelligently.
 - Design and implementation of a Robot to intelligently detect the nearest light source and efficient navigation system to reach it.
- Worked on Automated Evaluation Server for the Online Programming Contest. (PHP and Network programming in C).
- Worked on Design of an Innovative technique for Version Control in Linux Platform (Using Kernel programming and diff patch tools).
- Worked on the Design of a Network Neighborhood Reloaded, A file sharing tool on Linux platform.
- Worked on Design of a text editor on DOS platform using basic graphics libraries.
- Worker on Design of an assembler and simulator for PDP-11 processor.
- Worked on Design of a DBMS Software for the management of Employees for a company.
- Worked on design of a Compiler for C as part of Compiler Design LAB.

Skills

- **Operating Systems:** Windows and UNIX.
- **Computer Languages:** C, C++, Java, UNIX Shells.
- **Internet Technologies:** HTML, JSP, Ajax, PHP, XML.
- **Database:** MySQL.