



# **IGEEKS Technologies**

Bridging Technology.

## **IGEEKS TECHNOLOGIES**

### **Software Training Division**

**Academic Projects for BE, ME, MCA, BCA and PHD Students**

### **IGEEKS Technologies (Make Final Year Project)**

**No: 19, MN Complex, 2nd Cross,**

**Sampige Main Road, Malleswaram, Bangalore- 560003.**

**Phone No: 080-32487434 / 9590544567 / 9739066172**

**Mail: [training@Igeekstechnologies.com](mailto:training@Igeekstechnologies.com), [nanduiqueeks2010@gmail.com](mailto:nanduiqueeks2010@gmail.com)**

**Website: [www.igeekstechnologies.com](http://www.igeekstechnologies.com), [www.makefinalyearproject.com](http://www.makefinalyearproject.com)**

**Land mark: Near to Mantri Mall, Malleswaram Bangalore**

## NS2 IEEE 2015 PROJECT LIST

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|-----------|---|
| <b>1</b>  | Analysis of attacks on routing protocols in MANETs  |
| <b>2</b>  | A study on secure intrusion detection system in wireless MANETs to increase the performance of Eaack            |
| <b>3</b>  | Security issues of black hole attacks in MANET  |
| <b>4</b>  | Securing TORA against Sybil attack in MANETs  |
| <b>5</b>  | Detection of gray hole in MANET through cluster analysis  |
| <b>6</b>  | Routing Protocols Analysis for Internet of Things   |
| <b>7</b>  | Power Control and Soft Topology Adaptations in Multihop Cellular Networks with multipoint connectivity          |
| <b>8</b>  | Scrutinizing Localized Topology Control in WSN using Rigid Graphs   |
| <b>9</b>  | Energy Efficient Coverage and Connectivity with Varying Energy Level in WSN                                     |
| <b>10</b> | Home telehealth by Internet of Things (IoT)   |
| <b>11</b> | Evaluating Wireless Reactive Routing Protocols with Linear Programming Model for Wireless Ad-hoc Networks       |
| <b>12</b> | R3E: Reliable Reactive Routing Enhancement for Wireless Sensor Networks   |
| <b>13</b> | Autonomous Mobile Mesh Networks   |
| <b>14</b> | A QoS-Oriented Distributed Routing Protocol for Hybrid Wireless Networks  |
| <b>15</b> | Energy-Optimum Throughput and Carrier Sensing Rate in CSMA-Based Wireless Networks                              |
| <b>16</b> | PSR: A Lightweight Proactive Source Routing Protocol For Mobile Ad Hoc Networks                                 |
| <b>17</b> | Secure Data Retrieval for Decentralized Disruption-Tolerant Military Networks                                   |
| <b>18</b> | Hop-by-Hop Message Authentication and Source Privacy in Wireless Sensor Networks                                |
| <b>19</b> | Maximizing P2P File Access Availability in Mobile Ad hoc Networks Though Replication for Efficient File Sharing |
| <b>20</b> | Leveraging Social Networks for P2P Content-Based File Sharing in Disconnected MANETs                            |
| <b>21</b> | Performance Guaranteed Routing Protocols for Asymmetric Sensor Networks   |
| <b>22</b> | Energy Efficiency And Better Throughput In MANET Using Improved AOMDV   |
| <b>23</b> | Network lifetime enhanced tri-level clustering and routing protocol for monitoring of offshore wind farms       |
| <b>24</b> | Attribute-Aware Data Aggregation Using Potential-Based Dynamic Routing in Wireless Sensor Networks              |
| <b>25</b> | ESecRout: An Energy Efficient Secure Routing for Sensor Networks  |
| <b>26</b> | Energy-Efficient Reliable Routing Considering Residual Energy in Wireless Ad Hoc Networks                       |

## IEEE NS2 Project List on WSN, MANETS, ROUTING, SECURITY and IOT

|    |  |
|----|--|
| 1  | Mobile Sink-Based Adaptive Immune Energy- Efficient Clustering Protocol for Improving Lifetime and Stability Period of Sensor Networks     |
| 2  | Tree Based Energy Efficient Routing Scheme for Body Area Network   |
| 3  | On Routing and Spectrum Assignment in Rings  |
| 4  | An Efficient Cluster-Tree Based Data Collection Scheme for Large Mobile Wireless Sensor Networks   |
| 5  | Clustering Algorithms for Wireless Sensor Networks: A Review   |
| 6  | Bandwidth-Aware High-Throughput Routing with Successive Interference Cancellation in Multihop Wireless Networks                            |
| 7  | A Greedy Algorithm in WSNs for Maximum Network Lifetime and Communication Reliability  |
| 8  | An Analysis of the Overhead and Energy Consumption in Flooding, Random Walk and Gossip based Resource Discovery Protocols in MP2P Networks |
| 9  | Modeling and Analysis of WSN-Based Emergency Braking Control for High-Speed Trains   |
| 10 | SystemC AMS Modeling of a Sensor Node Energy Consumption and Battery State-of-Charge for WSN   |
| 11 | Experimental Analysis of AODV, DSDV and OLSR Routing Protocol for Flying Adhoc Networks (F ANETs)  |
| 12 | A Survey based on Smart Homes System Using Internet-of-Things  |
| 13 | Energy, Link Stability and Queue aware OLSR for Mobile Ad hoc Network  |
| 14 | Evaluating Performance of OLSR Routing Protocol for Multimedia Traffic in MANET using NS2  |
| 15 | Context-aware Computing in the Internet of Things: A Survey on Internet of Things From Industrial Market Perspective                       |
| 16 | Cooperative Black Hole Detection Mechanism in Mobile Ad Hoc Network  |
| 17 | Sensor Mania! The Internet of Things, Wearable Computing, Objective Metrics, and the Quantified Self 2.0                                   |
| 18 | Time-Reversal Wireless Paradigm for Green Internet of Things: An Overview  |
| 19 | An extensive review: Internet of things is speeding up the necessity for 5G  |
| 20 | Effect Analysis of Black Hole Attack of AODV Protocol in MANET using Table Driven Approach.  |
| 21 | A Energy Efficient Approach to DSR based Routing Protocol for Ad Hoc Network   |
| 22 | Comparison between Minimum Power Consumption and Minimum Battery Cost Routing for Energy Management in Wireless Ad Hoc Network             |

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| 23 | A Congestion Control Algorithm for Mobility Model in Mobile Ad-hoc Networks  |
| 24 | Investigating the Impact of Black Hole Attack on AODV Routing Protocol in MANETS under Responsive and Non-Responsive Traffic |
| 25 | Detection of Black Hole Attack using Control Packets in AODV Protocol for MANET  |
| 26 | A New Enhanced Energy Efficient Position based Routing Protocol for Mobile Adhoc Network                                     |
| 27 | Enhance the Efficiency Routing between Mobile Nodes in MANET Networks  |
| 28 | Improving the Life of the Wireless Sensor Network using Energy Harvesting Clustering.  |