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FINAL YEAR PROJECTS
IEEE PROJECTS 2016 – 2017
NS2 PROJECTS

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	NS1601	A Novel Approach for Efficient Usage of Intrusion Detection System in Mobile Ad Hoc Networks	2016
2	NS1602	D2D: Delay-Aware Distributed Dynamic Adaptation of Contention Window in Wireless Networks	2016
3	NS1603	Detecting Colluding Blackhole and Greyhole Attacks in Delay Tolerant Networks	2016
4	NS1604	Distance-Based Location Management Utilizing Initial Position for Mobile Communication Networks	2016
5	NS1605	Mitigating Denial of Service Attacks in OLSR Protocol Using Fictitious Nodes	2016
6	NS1606	Opportunistic Routing With Congestion Diversity in Wireless Ad Hoc Networks	2016
7	NS1607	Top-k Query Processing and Malicious Node Identification Based on Node Grouping in MANETs	2016
8	NS1608	Resisting Blackhole Attacks on MANETs	2016
9	NS1609	A Kautz-Based Wireless Sensor and Actuator Network for Real Time, Fault-Tolerant and Energy-Efficient Transmission	2016
10	NS1610	CANS: Towards Congestion-Adaptive and Small Stretch Emergency Navigation with Wireless Sensor Networks	2016
11	NS1611	Cluster-Based Routing for the Mobile Sink in Wireless Sensor Networks With Obstacles	2016
12	NS1612	Code-Based Neighbor Discovery Protocols in Mobile Wireless Networks	2016
13	NS1613	DaGCM: A Concurrent Data Uploading Framework for Mobile Data Gathering in Wireless Sensor Networks	2016

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14	NS1614	Dictionary Based Secure Provenance Compression for Wireless Sensor Networks	2016
15	NS1615	Distributed Emergency Guiding with Evacuation Time Optimization Based on Wireless Sensor Networks	2016
16	NS1616	Duplicate Detectable Opportunistic Forwarding in Duty-Cycled Wireless Sensor Networks	2016
17	NS1617	Fair Routing for Overlapped Cooperative Heterogeneous Wireless Sensor Networks	2016
18	NS1618	Geographic and Opportunistic Routing for Underwater Sensor Networks	2016
19	NS1619	iPath: Path Inference in Wireless Sensor Networks	2016
20	NS1620	Joint Optimization of Lifetime and Transport Delay under Reliability Constraint Wireless Sensor Networks	2016
21	NS1621	Location aware sensor routing protocol for mobile wireless sensor networks	2016
22	NS1622	Maximizing Data Collection Throughput on a Path in Energy Harvesting Sensor Networks Using a Mobile Sink	2016
23	NS1623	Maximum Data Collection Rate in Rechargeable Wireless Sensor Networks with Multiple Sinks	2016
24	NS1624	Mobile Coordinated Wireless Sensor Network: An Energy Efficient Scheme for Real-Time Transmissions	2016
25	NS1625	NACRP: A Connectivity Protocol for Star Topology Wireless Sensor Networks	2016
26	NS1626	Privacy-Preserving Data Aggregation in Mobile Phone Sensing	2016
27	NS1627	RSSI-based Localization through Uncertain Data Mapping for Wireless Sensor Networks	2016
28	NS1628	Towards Distributed Optimal Movement Strategy for Data Gathering in Wireless Sensor Networks	2016
29	NS1629	DTMAC: A Delay Tolerant MAC Protocol for Underwater Wireless Sensor Networks	2016
30	NS1630	A Secure and Efficient ID-Based Aggregate Signature Scheme for Wireless Sensor Networks	2016
31	NS1631	ActiveTrust: Secure and Trustable Routing in Wireless Sensor Networks	2016
32	NS1632	Adaptive and Channel-Aware Detection of Selective Forwarding Attacks in Wireless Sensor Networks	2016
33	NS1633	Analysis of One-Time Random Projections for Privacy Preserving Compressed Sensing	2016
34	NS1634	Energy and Memory Efficient Clone Detection in Wireless Sensor Networks	2016
35	NS1635	PKC-Based DoS Attacks-Resistant Scheme in Wireless Sensor Networks	2016
36	NS1636	Reliable and Efficient Data Acquisition in Wireless Sensor Networks in the Presence of Transfaulty Nodes	2016

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37	NS1637	Traffic Decorrelation Techniques for Countering a Global Eavesdropper in WSNs	2016
38	NS1638	A Pseudonym Management System to Achieve Anonymity in Vehicular Ad Hoc Networks	2016
39	NS1639	A Threshold Anonymous Authentication Protocol for VANETs	2016
40	NS1640	ART: An Attack-Resistant Trust Management Scheme for Securing Vehicular Ad Hoc Networks	2016
41	NS1641	Coalition Formation for Cooperative Service-Based Message Sharing in Vehicular Ad Hoc Networks	2016
42	NS1442	Contact-Aware Data Replication in Roadside Unit Aided Vehicular Delay Tolerant Networks	2016
43	NS1443	DIVERT: A Distributed Vehicular Traffic Re-routing System for Congestion Avoidance	2016
44	NS1444	Dual Authentication and Key Management Techniques for Secure Data Transmission in Vehicular Ad Hoc Networks	2016
45	NS1445	LORA: Loss Differentiation Rate Adaptation Scheme for Vehicle-to-Vehicle Safety Communications	2016
46	NS1446	SCRP: Stable CDS-Based Routing Protocol for Urban Vehicular Ad Hoc Networks	2016
47	NS1447	Secure and Robust Multi-Constrained QoS Aware Routing Algorithm for VANETs	2016
48	NS1648	A Hop-by-Hop Routing Mechanism for Green Internet	2016
49	NS1649	Achieving Optimal Traffic Engineering Using a Generalized Routing Framework	2016
50	NS1650	Assessing Performance Gains Through Global Resource Control of Heterogeneous Wireless Networks	2016
51	NS1651	Contact Duration Aware Data Replication in DTNs with Licensed and Unlicensed Spectrum	2016
52	NS1652	Cost-Aware Caching: Caching More (Costly Items) for Less (ISPs Operational Expenditures)	2016
53	NS1653	Design of Scheduling Algorithms for End-to-End Backlog Minimization in Wireless Multi-Hop Networks Under -Hop Interference Models	2016
54	NS1654	DSearching: Using Floating Mobility Information for Distributed Node Searching in DTNs	2016
55	NS1655	Dynamic Network Control for Confidential Multi-Hop Communications	2016
56	NS1656	Embedding IP Unique Shortest Path Topology on a Wavelength-Routed Network: Normal and Survivable Design	2016
57	NS1657	Ghost-in-ZigBee: Energy Depletion Attack on ZigBee based Wireless Networks	2016
58	NS1658	Improving Access Point Association Protocols Through Channel Utilization and Adaptive Probing	2016
59	NS1659	LAAEM: A Method to Enhance LDoS Attack	2016

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60	NS1660	Mimicry Attacks Against Wireless Link Signature and New Defense Using Time-Synched Link Signature	2016
61	NS1661	PROVEST: Provenance-based Trust Model for Delay Tolerant Networks	2016
62	NS1662	Routing Protocol for Heterogeneous Wireless Mesh Networks	2016
63	NS1663	Opportunistic Piggyback Marking for IP Traceback	2016
64	NS1664	Secure Transmission Against Pilot Spoofing Attack: A Two-Way Training-Based Scheme	2016
65	NS1665	Security Analysis and Improvements on Two Homomorphic Authentication Schemes for Network Coding	2016
66	NS1666	Thwarting Selfish Behavior in 802.11 WLANs	2016
67	NS1667	Mobility Prediction Based Joint Stable Routing and Channel Assignment for Mobile Ad Hoc Cognitive Networks	2016
68	NS1668	Detecting Node Failures in Mobile Wireless Networks: A Probabilistic Approach	2016
69	NS1669	Local Anchor Schemes for Seamless and Low-Cost Handover in Coordinated Small Cells	2016
70	NS1670	Robotic Message Ferrying for Wireless Networks using Coarse-Grained Backpressure Control	2016
71	NS1671	TCP-Aware Backpressure Routing and Scheduling	2016
72	NS1672	Virtual Multipath Attack and Defense for Location Distinction in Wireless Networks	2016
73	NS1501	A Historical-Beacon-Aided Localization Algorithm for Mobile Sensor Networks	2015
74	NS1502	CoCoWa: A Collaborative Contact-Based Watchdog for Detecting Selfish Nodes	2015
75	NS1503	Cooperative Load Balancing and Dynamic Channel Allocation for Cluster-Based Mobile Ad Hoc Networks	2015
76	NS1504	Defending Against Collaborative Attacks by Malicious Nodes in MANETs: A Cooperative Bait Detection Approach	2015
77	NS1505	Minimizing Transmission Cost for Third-Party Information Exchange with Network Coding	2015
78	NS1506	Mobile-Projected Trajectory Algorithm with Velocity-Change Detection for Predicting Residual Link Lifetime in MANET	2015
79	NS1507	Optimal Configuration of Network Coding in Ad Hoc Networks	2015
80	NS1508	Packet Delivery Ratio/Cost in MANETs with Erasure Coding and Packet Replication	2015
81	NS1509	Privacy and Quality Preserving Multimedia Data Aggregation for Participatory Sensing Systems	2015
82	NS1510	Privacy-Preserving and Truthful Detection of Packet Dropping Attacks in Wireless Ad Hoc Networks	2015

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83	NS1511	User Privacy and Data Trustworthiness in Mobile Crowd Sensing	2015
84	NS1512	A Virtual Coordinate-Based Bypassing Void Routing for WSN	2015
85	NS1513	Adaptive Routing for Dynamic On-Body WSN	2015
86	NS1514	An Energy Efficient Cross-Layer Network Operation Model for IEEE 802.15.4-Based Mobile WSN	2015
87	NS1515	Cost-Aware SEcure Routing (CASER) Protocol Design for WSN	2015
88	NS1516	Efficient Coverage and Connectivity Preservation With Load Balance for WSN	2015
89	NS1517	Geographic Routing in Clustered WSN Among Obstacles	2015
90	NS1518	Impact of Limiting Hop Count on the Lifetime of WSN	2015
91	NS1519	Joint Cooperative Routing and Power Allocation for Collision Minimization in WSN With Multiple Flows	2015
92	NS1520	Joint Virtual MIMO and Data Gathering for WSN	2015
93	NS1521	Mobile Data Gathering with Load Balanced Clustering and Dual Data Uploading in Wireless Sensor Networks	2015
94	NS1522	Opportunistic Routing Algorithm for Relay Node Selection in WSN	2015
95	NS1523	PWDGR: Pair-Wise Directional Geographical Routing Based on Wireless Sensor Network	2015
96	NS1524	Time-Sensitive Utility-Based Single-Copy Routing in Low-Duty-Cycle WSN	2015
97	NS1525	VGDRA: A Virtual Grid-Based Dynamic Routes Adjustment Scheme for Mobile Sink-Based WSN	2015
98	NS1526	A Lightweight Secure Scheme for Detecting Provenance Forgery and Packet Drop Attacks in Wireless Sensor Networks	2015
99	NS1527	A Secure Scheme Against Power Exhausting Attacks in Hierarchical Wireless Sensor Networks	2015
100	NS1528	An Efficient Distributed Trust Model for Wireless Sensor Networks	2015
101	NS1529	An Encryption Scheme Using Chaotic Map and Genetic Operations for Wireless Sensor Networks	2015
102	NS1530	Effective Key Management in Dynamic Wireless Sensor Networks	2015
103	NS1531	Secure and Distributed Data Discovery and Dissemination in Wireless Sensor Networks	2015
104	NS1532	Toward Energy-Efficient Trust System Through Watchdog Optimization for WSNs	2015
105	NS1533	A Novel PER Degradation Model for VANETs	2015
106	NS1534	ACPN: A Novel Authentication Framework with Conditional Privacy-Preservation and Non-Repudiation for VANETs	2015
107	NS1535	BUS-VANET: A BUS Vehicular Network Integrated with Traffic Infrastructure	2015
108	NS1536	Real-Time Path Planning Based on Hybrid-VANET-Enhanced Transportation	2015

		System	
109	NS1537	VANET Modeling and Clustering Design Under Practical Traffic,Channel and Mobility Conditions	2015
110	NS1538	Defeating Jamming With the Power of Silence: A Game-Theoretic Analysis	2015
111	NS1539	Passive IP Traceback: Disclosing the Locations of IP Spoofers from Path Backscatter	2015
112	NS1540	Time-Delayed Broadcasting for Defeating Inside Jammers	2015
113	NS1541	Secure Data Aggregation Technique for Wireless Sensor Networks in the Presence of Collusion Attacks	2015
114	NS1442	A QoS-Oriented Distributed Routing Protocol for Hybrid Wireless Networks	2014
115	NS1443	A Study on False Channel Condition Reporting Attacks in Wireless Networks	2014
116	NS1444	Autonomous Mobile Mesh Networks	2014
117	NS1445	Optimal Multicast Capacity and Delay Tradeoffs in MANETs	2014
118	NS1446	RBTP: Low-Power Mobile Discovery Protocol through Recursive Binary Time Partitioning	2014
119	NS1447	Snapshot and Continuous Data Collection in Probabilistic Wireless Sensor Networks	2014
120	NS1448	ALBA-R: Load-Balancing Geographic Routing Around Connectivity Holes in Wireless Sensor Networks	2014
121	NS1449	Hop-by-Hop Message Authentication and Source Privacy in Wireless Sensor Networks	2014
122	NS1450	Neighbor Table Based Shortcut Tree Routing in ZigBee Wireless Networks	2014
123	NS1451	Secure and Efficient Data Transmission for Cluster-Based Wireless Sensor Networks	2014
124	NS1452	Secure Continuous Aggregation in Wireless Sensor Networks	2014
125	NS1453	Transmission-Efficient Clustering Method for Wireless Sensor Networks Using Compressive Sensing	2014
126	NS1454	An Energy-Balanced Routing Method Based on Forward-Aware Factor for Wireless Sensor Networks	2014
127	NS1455	Distributed Deployment Algorithms for Improved Coverage in a Network of Wireless Mobile Sensors	2014
128	NS1456	R3E: Reliable Reactive Routing Enhancement for Wireless Sensor Networks	2014
129	NS1457	Sleep Scheduling for Geographic Routing in Duty-Cycled Mobile Sensor Networks	2014
130	NS1458	AASR: An Authenticated Anonymous Secure Routing Protocol for MANETs in Adversarial Environment	2014
131	NS1459	PSR: A Lightweight Proactive Source Routing Protocol For Mobile Ad Hoc Networks	2014

132	NS1460	VSPN: VANET-Based Secure and Privacy-Preserving Navigation	2014
133	NS1461	Joint Routing and Medium Access Control in Fixed Random Access Wireless Multihop Networks	2014
134	NS1462	Defending Against Collaborative Attacks by Malicious Nodes in MANETs: A Cooperative Bait Detection Approach	2014
135	NS1463	STARS: A Statistical Traffic Pattern Discovery System for MANETs	2014
136	NS1464	Data Density Correlation Degree Clustering Method for Data Aggregation in WSN	2014