



JP INFOTECH

**2017 - 2018 NS2 – Network Simulator: IEEE FINAL YEAR Projects @ JP iNFOTECH**

S.NO	Project Code	IEEE 2017 NS2 Project Titles	Domain	Lang/Year
1	JPN1701	A Delay-Sensitive Multicast Protocol for Network Capacity Enhancement in Multirate MANETs	MANET	NS2/2017
2	JPN1702	A Novel Approach for Efficient Usage of Intrusion Detection System in Mobile Ad Hoc Networks	MANET	NS2/2017
3	JPN1703	Contradiction Based Gray-Hole Attack Minimization for Ad-Hoc Networks	MANET	NS2/2017
4	JPN1704	Delay Analytical Models for Opportunistic Routing in Wireless Ad Hoc Networks	MANET	NS2/2017
5	JPN1705	Energy Efficient Multipath Routing Protocol for Mobile ad-hoc Network Using the Fitness Function	MANET	NS2/2017
6	JPN1706	Fine-Grained Analysis of Packet Loss in MANETs	MANET	NS2/2017
7	JPN1707	SUPERMAN: Security Using Pre-Existing Routing for Mobile Ad hoc Networks	MANET	NS2/2017
8	JPN1708	A Distributed Delay-Efficient Data Aggregation Scheduling for Duty-cycled WSNs	WSN (Routing)	NS2/2017
9	JPN1709	A Joint Routing and MAC Protocol for Transmission Delay Reduction in Many-to-One Communication Paradigm for Wireless Sensor Networks	WSN (Routing)	NS2/2017
10	JPN1710	A Self-Adaptive Sleep/Wake-Up Scheduling Approach for Wireless Sensor Networks	WSN (Routing)	NS2/2017
11	JPN1711	E2HRC: An Energy-Efficient Heterogeneous Ring Clustering Routing Protocol for Wireless Sensor Networks	WSN (Routing)	NS2/2017
12	JPN1712	Energy Efficient Clustering Algorithm for Multi-Hop Wireless Sensor Network Using Type-2 Fuzzy Logic	WSN (Routing)	NS2/2017
13	JPN1713	Load Balanced Coverage with Graded Node Deployment in Wireless Sensor Networks	WSN (Routing)	NS2/2017
14	JPN1714	Load-Balanced Opportunistic Routing for Duty-Cycled Wireless Sensor Networks	WSN (Routing)	NS2/2017

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15	JPN1715	Low-Cost Collaborative Mobile Charging for Large-Scale Wireless Sensor Networks	WSN (Routing)	NS2/2017
16	JPN1716	Near Optimal Data Gathering in Rechargeable Sensor Networks with a Mobile Sink	WSN (Routing)	NS2/2017
17	JPN1717	Optimal Privacy-Preserving Probabilistic Routing for Wireless Networks	WSN (Routing)	NS2/2017
18	JPN1718	Optimization of Watchdog Selection in Wireless Sensor Networks	WSN (Routing)	NS2/2017
19	JPN1719	QoS-Aware and Heterogeneously Clustered Routing Protocol for Wireless Sensor Networks	WSN (Routing)	NS2/2017
20	JPN1720	Routing Protocol for Wireless sensor networks Using Swarm intelligence-ACO with ECPSOA	WSN (Routing)	NS2/2017
21	JPN1721	SEND: A Situation-Aware Emergency Navigation Algorithm with Sensor Networks	WSN (Routing)	NS2/2017
22	JPN1722	Speed Up-Greedy Perimeter Stateless Routing Protocol for Wireless Sensor Networks (SU-GPSR)	WSN (Routing)	NS2/2017
23	JPN1723	A Key Distribution Scheme for Mobile Wireless Sensor Networks: q-s-composite	WSN (Security)	NS2/2017
24	JPN1724	A Novel Authentication and Key Agreement Scheme for Implantable Medical Devices Deployment	WSN (Security)	NS2/2017
25	JPN1725	A Secure and Efficient ID-Based Aggregate Signature Scheme for Wireless Sensor Networks	WSN (Security)	NS2/2017
26	JPN1726	Intrusion Detection Based on State Context and Hierarchical Trust in Wireless Sensor Networks	WSN (Security)	NS2/2017
27	JPN1727	Lightweight Three-factor Authentication and Key Agreement Protocol for Internet-integrated Wireless Sensor Networks	WSN (Security)	NS2/2017
28	JPN1728	Location-Based Key Management Strong Against Insider Threats in Wireless Sensor Networks	WSN (Security)	NS2/2017
29	JPN1729	Research on Trust Sensing based Secure Routing Mechanism for Wireless Sensor Network	WSN (Security)	NS2/2017
30	JPN1730	Resilience of DoS Attacks in Designing Anonymous User Authentication Protocol for Wireless Sensor Networks	WSN (Security)	NS2/2017
31	JPN1731	ROSE: Robustness Strategy for Scale-Free Wireless Sensor Networks	WSN (Security)	NS2/2017

32	JPN1732	Traffic Decorrelation Techniques for Countering a Global Eavesdropper in WSNs	WSN (Security)	NS2/2017
33	JPN1733	TruFiX: A Configurable Trust-based Cross-Layer Protocol for Wireless Sensor Networks	WSN (Security)	NS2/2017
34	JPN1734	Adaptive Quality of Service based Routing for Vehicular Ad hoc Networks with Ant Colony Optimization	VANET (Routing)	NS2/2017
35	JPN1735	CBS: Community-based Bus System as Routing Backbone for Vehicular Ad Hoc Networks	VANET (Routing)	NS2/2017
36	JPN1736	DIVERT: A Distributed Vehicular Traffic Re-routing System for Congestion Avoidance	VANET (Routing)	NS2/2017
37	JPN1737	EcoTrec—A Novel VANET-Based Approach to Reducing Vehicle Emissions	VANET (Routing)	NS2/2017
38	JPN1738	Enhancing Quality of Service Conditions Using a Cross-Layer Paradigm for Ad-hoc Vehicular Communication	VANET (Routing)	NS2/2017
39	JPN1739	MoZo: A Moving Zone Based Routing Protocol Using Pure V2V Communication in VANETs	VANET (Routing)	NS2/2017
40	JPN1740	Trustworthiness Evaluation-based Routing Protocol for Incompletely Predictable Vehicular Ad hoc Networks	VANET (Routing)	NS2/2017
41	JPN1741	Distributed Aggregate Privacy-Preserving Authentication in VANETs	VANET (Security)	NS2/2017
42	JPN1742	EAAP: Efficient Anonymous Authentication With Conditional Privacy-Preserving Scheme for Vehicular Ad Hoc Networks	VANET (Security)	NS2/2017
43	JPN1743	Efficient Privacy-Preserving Dual Authentication and Key Agreement Scheme for Secure V2V Communications in an IoV Paradigm	VANET (Security)	NS2/2017
44	JPN1744	Enhancing Security and Privacy for Identity-based Batch Verification Scheme in VANET	VANET (Security)	NS2/2017
45	JPN1745	GDVAN: A New Greedy Behavior Attack Detection Algorithm For VANETs	VANET (Security)	NS2/2017
46	JPN1746	REPLACE: A Reliable Trust-based Platoon Service Recommendation Scheme in VANET	VANET (Security)	NS2/2017
47	JPN1747	Congestion Control Scheme Performance Analysis Based on Nonlinear RED	WIRELESS COMMUNICATION	NS2/2017
48	JPN1748	Distributed Learning for Energy-Efficient Resource Management in Self-Organizing Heterogeneous Networks	WIRELESS COMMUNICATION	NS2/2017



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49	JPN1749	End-to-end Throughput Maximization for Underlay Multi-hop Cognitive Radio Networks with RF Energy Harvesting	WIRELESS COMMUNICATION	NS2/2017
50	JPN1750	Robotic Message Ferrying for Wireless Networks using Coarse-Grained Backpressure Control	WIRELESS COMMUNICATION	NS2/2017
51	JPN1751	Spectrum-Availability based Routing for Cognitive Sensor Networks	WIRELESS COMMUNICATION	NS2/2017
52	JPN1752	Towards Effective Trust-based Packet Filtering in Collaborative Network Environments	WIRELESS COMMUNICATION	NS2/2017
53	JPN1753	Virtual Multipath Attack and Defense for Location Distinction in Wireless Networks	WIRELESS COMMUNICATION	NS2/2017

### **PROJECT SUPPORT TO REGISTERED STUDENTS:**

- 1) IEEE Base paper.
- 2) Abstract Document.
- 3) Future Enhancement (based on Requirement).
- 4) Modified Title / Modified Abstract (based on Requirement).
- 5) Complete Source Code.
- 6) Final Report / Document

(Document consists of basic contents of about Abstract, Bibliography, Conclusion, Implementation, I/P & O/P Design, Introduction, Literature Survey, Organisation Profile, Screen Shots, Software Environment, System Analysis, System Design, System Specification, System Study, System Testing)

(The chapter System Design consists of 5 diagrams: Data Flow, Use Case, Sequence, Class, Activity Diagram)

- 7) Review PPTs and Documents.
- 8) How to Run execution help file.
- 9) NS2 Software Package (Cygwin, NS2.28, How to install help file).

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10) International Conference / International Journal Publication based on your project.

### **OUR OTHER SALIENT FEATURES:**

- Number 1 Project Master in Pondicherry/Puducherry & Chennai.
- Guided more than 30,000 students.
- Successfully conducted more than 25 International Conferences in all over South India from 2013 to 2017.
- For the academic year **2017- 2018**, we have Signed MoU with Many Engineering Colleges in all over India to Conduct International Conferences in academic year 2017 – 2018, Where the Registered Students of JP INFOTECH, can easily publish their Project Papers.
- Published more than 3000 Research Articles of Our Ph.D./M.Phil/ME/M.Tech./BE/B.Tech. Students in Leading International Conferences and International Journals from 2013 to 2017.
- From the year **2013 to 2017**, we are Recognized and Awarded from the following colleges: “Paavai College of Engg”, “Arjun College of Technology”, “K.S.R. College of Engineering”, “Vetri Vinayaha College Of Engineering And Technology”, “SKR Engineering College”, “Sree Sastha Institute of Engineering and Technology”, “Jaya Engineering College”, “V.P.Muthaiah Pillai Meenakshi Ammal Engineering College for Women”, “Muthayammal Arts and Science College”, “Sri Raaja Raajan College of Engineering and Technology”, “Latha Mathavan Engineering College”, “Dr Pauls Engineering College”, “Jain College of Engineering”, “Manakula Vinayagar Institute of Technology”, “CK College of Engineering & Technology” etc.
- Recognized and published article about JP INFOTECH and its director in “THE HINDU”, “DINAKARAN” and many more newspapers and Media.
- Leaders with more than 8+ years of experience

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