



**JP INFOTECH**

SOFTWARE DEVELOPMENT & RESEARCH DIVISION

[www.jpinfotech.org](http://www.jpinfotech.org)

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Chennai Office : JP INFOTECH, Old No.31,  
New No. 86, 1st Floor , 1st Avenue , Ashok  
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Landmark : Next to Kotak Mahendra Bank.

Pondicherry Office : JP INFOTECH , #45 ,  
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**2016 - 2017 NS2 IEEE FINAL YEAR Projects @ JP INFOTECH**

S.NO	Project Code	IEEE 2016-17 NS2 Project Titles	Domain	Lang/Year
1	JPN1601	A Novel Approach for Efficient Usage of Intrusion Detection System in Mobile Ad Hoc Networks	MANET	NS2/2016
2	JPN1602	D2D: Delay-Aware Distributed Dynamic Adaptation of Contention Window in Wireless Networks	MANET	NS2/2016
3	JPN1603	Detecting Colluding Blackhole and Greyhole Attacks in Delay Tolerant Networks	MANET	NS2/2016
4	JPN1604	Distance-Based Location Management Utilizing Initial Position for Mobile Communication Networks	MANET	NS2/2016
5	JPN1605	Mitigating Denial of Service Attacks in OLSR Protocol Using Fictitious Nodes	MANET	NS2/2016
6	JPN1606	Opportunistic Routing With Congestion Diversity in Wireless Ad Hoc Networks	MANET	NS2/2016
7	JPN1607	Top-k Query Processing and Malicious Node Identification Based on Node Grouping in MANETs	MANET	NS2/2016
8	JPN1608	Resisting Blackhole Attacks on MANETs	MANET (IEEE CONFERENCE)	NS2/2016
9	JPN1609	A Kautz-Based Wireless Sensor and Actuator Network for Real-Time, Fault-Tolerant and Energy-Efficient Transmission	WSN (Routing)	NS2/2016
10	JPN1610	CANS: Towards Congestion-Adaptive and Small Stretch Emergency Navigation with Wireless Sensor Networks	WSN (Routing)	NS2/2016



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11	JPN1611	Cluster-Based Routing for the Mobile Sink in Wireless Sensor Networks With Obstacles	WSN (Routing)	NS2/2016
12	JPN1612	Code-Based Neighbor Discovery Protocols in Mobile Wireless Networks	WSN (Routing)	NS2/2016
13	JPN1613	DaGCM: A Concurrent Data Uploading Framework for Mobile Data Gathering in Wireless Sensor Networks	WSN (Routing)	NS2/2016
14	JPN1614	Dictionary Based Secure Provenance Compression for Wireless Sensor Networks	WSN (Routing)	NS2/2016
15	JPN1615	Distributed Emergency Guiding with Evacuation Time Optimization Based on Wireless Sensor Networks	WSN (Routing)	NS2/2016
16	JPN1616	Duplicate Detectable Opportunistic Forwarding in Duty-Cycled Wireless Sensor Networks	WSN (Routing)	NS2/2016
17	JPN1617	Fair Routing for Overlapped Cooperative Heterogeneous Wireless Sensor Networks	WSN (Routing)	NS2/2016
18	JPN1618	Geographic and Opportunistic Routing for Underwater Sensor Networks	WSN (Routing)	NS2/2016
19	JPN1619	iPath: Path Inference in Wireless Sensor Networks	WSN (Routing)	NS2/2016
20	JPN1620	Joint Optimization of Lifetime and Transport Delay under Reliability Constraint Wireless Sensor Networks	WSN (Routing)	NS2/2016
21	JPN1621	Location aware sensor routing protocol for mobile wireless sensor networks	WSN (Routing)	NS2/2016
22	JPN1622	Maximizing Data Collection Throughput on a Path in Energy Harvesting Sensor Networks Using a Mobile Sink	WSN (Routing)	NS2/2016
23	JPN1623	Maximum Data Collection Rate in Rechargeable Wireless Sensor Networks with Multiple Sinks	WSN (Routing)	NS2/2016



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24	JPN1624	Mobile Coordinated Wireless Sensor Network: An Energy Efficient Scheme for Real-Time Transmissions	WSN (Routing)	NS2/2016
25	JPN1625	NACRP: A Connectivity Protocol for Star Topology Wireless Sensor Networks	WSN (Routing)	NS2/2016
26	JPN1626	Privacy-Preserving Data Aggregation in Mobile Phone Sensing	WSN (Routing)	NS2/2016
27	JPN1627	RSSI-based Localization through Uncertain Data Mapping for Wireless Sensor Networks	WSN (Routing)	NS2/2016
28	JPN1628	Towards Distributed Optimal Movement Strategy for Data Gathering in Wireless Sensor Networks	WSN (Routing)	NS2/2016
29	JPN1629	DTMAC: A Delay Tolerant MAC Protocol for Underwater Wireless Sensor Networks	UWSN (Routing)	NS2/2016
30	JPN1630	A Secure and Efficient ID-Based Aggregate Signature Scheme for Wireless Sensor Networks	WSN (Security)	NS2/2016
31	JPN1631	ActiveTrust: Secure and Trustable Routing in Wireless Sensor Networks	WSN (Security)	NS2/2016
32	JPN1632	Adaptive and Channel-Aware Detection of Selective Forwarding Attacks in Wireless Sensor Networks	WSN (Security)	NS2/2016
33	JPN1633	Analysis of One-Time Random Projections for Privacy Preserving Compressed Sensing	WSN (Security)	NS2/2016
34	JPN1634	Energy and Memory Efficient Clone Detection in Wireless Sensor Networks	WSN (Security)	NS2/2016
35	JPN1635	PKC-Based DoS Attacks-Resistant Scheme in Wireless Sensor Networks	WSN (Security)	NS2/2016
36	JPN1636	Reliable and Efficient Data Acquisition in Wireless Sensor Networks in the Presence of Transfaulty Nodes	WSN (Security)	NS2/2016



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37	JPN1637	Traffic Decorrelation Techniques for Countering a Global Eavesdropper in WSNs	WSN (Security)	NS2/2016
38	JPN1638	A Pseudonym Management System to Achieve Anonymity in Vehicular Ad Hoc Networks	VANET	NS2/2016
39	JPN1639	A Threshold Anonymous Authentication Protocol for VANETs	VANET	NS2/2016
40	JPN1640	ART: An Attack-Resistant Trust Management Scheme for Securing Vehicular Ad Hoc Networks	VANET	NS2/2016
41	JPN1641	Coalition Formation for Cooperative Service-Based Message Sharing in Vehicular Ad Hoc Networks	VANET	NS2/2016
42	JPN1642	Contact-Aware Data Replication in Roadside Unit Aided Vehicular Delay Tolerant Networks	VANET	NS2/2016
43	JPN1643	DIVERT: A Distributed Vehicular Traffic Re-routing System for Congestion Avoidance	VANET	NS2/2016
44	JPN1644	Dual Authentication and Key Management Techniques for Secure Data Transmission in Vehicular Ad Hoc Networks	VANET	NS2/2016
45	JPN1645	LORA: Loss Differentiation Rate Adaptation Scheme for Vehicle-to-Vehicle Safety Communications	VANET	NS2/2016
46	JPN1646	SCRCP: Stable CDS-Based Routing Protocol for Urban Vehicular Ad Hoc Networks	VANET	NS2/2016
47	JPN1647	Secure and Robust Multi-Constrained QoS Aware Routing Algorithm for VANETs	VANET	NS2/2016
48	JPN1648	A Hop-by-Hop Routing Mechanism for Green Internet	WIRELESS COMMUNICATIONS	NS2/2016
49	JPN1649	Achieving Optimal Traffic Engineering Using a Generalized Routing Framework	WIRELESS COMMUNICATIONS	NS2/2016



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50	JPN1650	Assessing Performance Gains Through Global Resource Control of Heterogeneous Wireless Networks	WIRELESS COMMUNICATIONS	NS2/2016
51	JPN1651	Contact Duration Aware Data Replication in DTNs with Licensed and Unlicensed Spectrum	WIRELESS COMMUNICATIONS	NS2/2016
52	JPN1652	Cost-Aware Caching: Caching More (Costly Items) for Less (ISPs Operational Expenditures)	WIRELESS COMMUNICATIONS	NS2/2016
53	JPN1653	Design of Scheduling Algorithms for End-to-End Backlog Minimization in Wireless Multi-Hop Networks Under -Hop Interference Models	WIRELESS COMMUNICATIONS	NS2/2016
54	JPN1654	DSearching: Using Floating Mobility Information for Distributed Node Searching in DTNs	WIRELESS COMMUNICATIONS	NS2/2016
55	JPN1655	Dynamic Network Control for Confidential Multi-Hop Communications	WIRELESS COMMUNICATIONS	NS2/2016
56	JPN1656	Embedding IP Unique Shortest Path Topology on a Wavelength-Routed Network: Normal and Survivable Design	WIRELESS COMMUNICATIONS	NS2/2016
57	JPN1657	Ghost-in-ZigBee: Energy Depletion Attack on ZigBee based Wireless Networks	Internet of Things (IoT)	NS2/2016
58	JPN1658	Improving Access Point Association Protocols Through Channel Utilization and Adaptive Probing	WIRELESS COMMUNICATIONS	NS2/2016
59	JPN1659	LAAEM: A Method to Enhance LDoS Attack	SECURE COMPUTING	NS2/2016
60	JPN1660	Mimicry Attacks Against Wireless Link Signature and New Defense Using Time-Synched Link Signature	SECURE COMPUTING	NS2/2016
61	JPN1661	PROVEST: Provenance-based Trust Model for Delay Tolerant Networks	SECURE COMPUTING	NS2/2016
62	JPN1662	Routing Protocol for Heterogeneous Wireless Mesh Networks	Mesh Networks	NS2/2016



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63	JPN1663	Opportunistic Piggyback Marking for IP Traceback	SECURE COMPUTING	NS2/2016
64	JPN1664	Secure Transmission Against Pilot Spoofing Attack: A Two-Way Training-Based Scheme	SECURE COMPUTING	NS2/2016
65	JPN1665	Security Analysis and Improvements on Two Homomorphic Authentication Schemes for Network Coding	SECURE COMPUTING	NS2/2016
66	JPN1666	Thwarting Selfish Behavior in 802.11 WLANs	NETWORKING	NS2/2016
67	JPN1667	Mobility Prediction Based Joint Stable Routing and Channel Assignment for Mobile Ad Hoc Cognitive Networks	COGNITIVE NETWORK	NS2/2016
68	JPN1668	Detecting Node Failures in Mobile Wireless Networks: A Probabilistic Approach	MOBILE COMPUTING	NS2/2016
69	JPN1669	Local Anchor Schemes for Seamless and Low-Cost Handover in Coordinated Small Cells	MOBILE COMPUTING	NS2/2016
70	JPN1670	Robotic Message Ferrying for Wireless Networks using Coarse-Grained Backpressure Control	MOBILE COMPUTING	NS2/2016
71	JPN1671	TCP-Aware Backpressure Routing and Scheduling	MOBILE COMPUTING	NS2/2016
72	JPN1672	Virtual Multipath Attack and Defense for Location Distinction in Wireless Networks	MOBILE COMPUTING	NS2/2016

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



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#### OUR OTHER SALIENT FEATURES:

- Number 1 Project Master in Pondicherry/Puducherry & Chennai.
- Guided more than 20,000 students.
- Successfully conducted more than 20 International Conferences in all over South India from 2013 to 2016.
- For the academic year **2016- 2017**, we have Signed MoU with 15 Engineering Colleges in all over South India to Conduct International Conferences in academic year 2016 – 2017.
- Published more than 2000 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 2016.
- For the year **2015-2016** Recognized and Awarded from the following colleges:
  - “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”
- For the year **2014-2015** Recognized and Awarded from the following colleges:
  - “V.P.Muthaiah Pillai Meenakshi Ammal Engineering College for Women”



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- “Muthayammal Arts and Science College”
- “Sri Raaja Raajan College of Engineering and Technology”
- “Latha Mathavan Engineering College”
- “SKR engineering college”
- “Dr Pauls Engineering College”
- “Jaya Engineering College”
- “Jain College of Engineering”
- For the year **2013- 2014** Recognized and Awarded from “PONDICHERY UNIVERSITY”, “Paavai College of Engg”, “Arjun College of Technology” and many leading institutions.
- Recognized and published article about JP INFOTECH and our director in “THE HINDU”, “DINAKARAN” and many more newspapers and Media.
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- We assist and guarantee you to publish a paper on your project in INTERNATIONAL JOURNAL PUBLICATIONS / INTERNATIONAL CONFERENCE PUBLICATIONS.
- We provide REVIEW DOCUMENTS AND PPTS for each review
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For any queries Contact:

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Managing Director

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