SPIRO
SOLUTIONS PVT LTD

NS-3
NETWORK SIMULATOR

NS-2
NETWORK SIMULATOR

NS 2 / NS 3
PROJECT TITLE 2016 - 2017

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NS2(NETWORK SIMULATOR)				
WIRED NETWORK				
S.NO	PROJECT CODE	PROJECT TITLE	TECHNOLOGY	YEAR
1	ITNWN01	Efficient cache placement strategy in two-tier wireless content delivery network	NS2	2016
2	ITNWN02	Optimal power allocation schemes for the single af relay and jammer wire-tap Channels	NS2	2016
3	ITNWN03	Hybrid ip/sdn networking: open implementation And experiment management tools	NS2	2016
4	ITNWN04	A multi-channel medium access control protocol For vehicular power line communication systems	NS2	2016
5	ITNWN05	Cocowa: a collaborative contact-based watchdog for detecting selfish nodes	NS2	2015
6	ITNWN06	Service composition in opportunistic networks: a load and mobility aware solution	NS2	2015

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7	ITNWN07	Modeling and solving tcp Incast problem in data center Networks	NS2	2015

MANET

S.NO	PROJECT CODE	PROJECT TITLE	TECHNOL OGY	YEAR
1	ITNMN01	Secret common randomness from routing metadata in ad-hoc networks	NS2	2016
2	ITNMN02	Efficient wireless multimedia multicast in multi-rate multi-channel mesh networks	NS2	2016
3	ITNMN03	A novel approach for efficient usage of intrusion detection system in mobile ad hoc networks	NS2	2016
4	ITNMN04	End-to-end delay modeling in buffer-limited manets: a general theoretical framework	NS2	2016
5	ITNMN05	A secure addressing scheme for Large-scale managed manets	NS2	2015
6	ITNMN06	Mac-layer selfish misbehavior In ieee 802.11 ad hoc networks: detection and defense	NS2	2015

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7	ITNMN07	Interference-based topology control algorithm for delayconstrained mobile ad hoc networks	NS2	2015
		VANET		
S.NO	PROJECT CODE	**PROJECT TITLE**	TECHNOL OGY	YEAR
1	ITNVN01	A stochastic geometry approach to the modeling of dsrc for vehicular safety communication	NS2	2016
2	ITNVN02	Understanding spurious message forwarding in vanet beacon-less dissemination protocols: an analytical approach	NS2	2016
3	ITNVN03	Flow allocation for maximum throughput and bounded delay on multiple disjoint paths for random access wireless multi hop networks	NS2	2016
4	ITNVN04	SCRP: Stable CDS-Based Routing Protocol for Urban Vehicular Ad Hoc Networks	NS2	2016
5	ITNVN05	Reducing interferences in Vanets	NS2	2015
6	ITNVN06	Roff: robust and fast Forwarding in vehicular ad-hoc networks	NS2	2015

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7	ITNVN07	Securing warning message Dissemination in Vanets using cooperative Neighbor position verification	NS2	2015

CONGITIVE RADIO				
S.NO	PROJECT CODE	PROJECT TITLE	TECHNO LOGY	YEAR
1	ITNCN01	Joint beam forming, power and channel allocation in multi-user and multi-channel underlay misocognitive radio networks	NS2	2016
2	ITNCN02	Energy-efficient and mobile-aided cooperative localization in cognitive radio networks	NS2	2016
3	ITNCN03	Delay-constrained caching in cognitive radio networks	NS2	2016
4	ITNCN04	Mobility prediction based joint stable routing and channel assignment for mobile ad hoc cognitive networks	NS2	2016
5	ITNCN05	Bracer: a distributed broadcast protocol in multi-hop cognitive radio ad hoc networks with collision Avoidance	NS2	2015
6	ITNCN06	Cognitive radio-aware transport protocol for mobile ad hoc networks	NS2	2015

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S.NO	PROJECT CODE	PROJECT TITLE	TECHNOLOGY	YEAR
7	ITNCN07	Optimal resource allocation in random access cooperative Cognitive radio networks	NS2	2015

NETWORK SECURITY

S.NO	PROJECT CODE	PROJECT TITLE	TECHNOLOGY	YEAR
1	ITNNS01	Evaluating node reliability in cooperative mimo networks	NS2	2016
2	ITNNS02	On the privacy and performance of mobile anonymous micro blogging	NS2	2016
3	ITNNS03	Mitigating Denial of Service Attacks in OLSR Protocol Using Fictitious Nodes	NS2	2016
4	ITNNS04	Physical layer security in Heterogeneous cellular networks	NS2	2016
5	ITNNS05	Dynamic routing for data integrity and delay differentiated services in wireless sensor networks	NS2	2015
6	ITNNS06	Trust management for Defending on-off attacks	NS2	2015
7	ITNNS07	Privacy-preserving and Truthful detection Of packet dropping attacks in Wireless ad hoc networks	NS2	2015

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Technologies and Domain used:

IEEE 2016, Java, J2ee, Android, Dot net, PHP, Embedded, Vlsi, Matlab, VB, Net working, Data Mining, Image Processing, Cloud Computing, Mobile Computing, Multimedia, Network Security, Soft Engg, Grid Computing, Automation, Robotics, Communication, RF, Zigbee, Blue tooth, GSM/GPS/G-PRS, Power Electronics & Systems, Electrical, DSP, RTOS, Bio metrics, etc.

Features

• Latest 2016 IEEE, Science Direct, ACM based project concept and solutions.

• State of the art infrastructure, Innovative Project training methods.

• All our efforts are focused on students to meet industry requirements.

• Our environment is encapsulated with doctorates, professionals and other experts.

• Excellent Placements through our **Spiro HR Management Consultants (SMC) Pvt Ltd.**

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