SPIRO
SOLUTIONS PVT LTD

ɪɪɪ NS-3
NETWORK SIMULATOR

ɪɪɪ NS-2
NETWORK SIMULATOR

NS 2 / NS 3
PROJECT TITLE 2015 - 2016

TECHNOLOGY: NS2 and NS3

DOMAIN 1: WIRED NETWORK

S.NO	PROJECT CODE	PROJECT TITLE	APPLICATION	TECHNOLOGY	YEAR
1.	ITNWN01	COCOWA: A COLLABORATIVE CONTACT-BASED WATCHDOG FOR DETECTING SELFISH NODES	Detecting Malicious Nodes	NS2	2015
2.	ITNWN02	SERVICE COMPOSITION IN OPPORTUNISTIC NETWORKS: A LOAD AND MOBILITY AWARE SOLUTION	Find Opportunistic Networks		2015
3.	ITNWN03	MODELING AND SOLVING TCP INCAST PROBLEM IN DATA CENTER NETWORKS	Solving Incast Problem		2015
4.	ITNWN04	REPUTATION AGGREGATION IN PEER-TO-PEER NETWORK USING DIFFERENTIAL GOSSIP ALGORITHM	Aggregation of Trust Values	NS3	2015
5.	ITNWN05	AN EFFICIENT AND TRUSTWORTHY P2P AND SOCIAL NETWORK INTEGRATED FILE SHARING SYSTEM	P2P File Sharing		2015

TECHNOLOGY: NS2 and NS3

DOMAIN 2: MANET

S.NO	PROJECT CODE	PROJECT TITLE	APPLICATION	TECHNOLOGY	YEAR
1.	ITNMN01	A SECURE ADDRESSING SCHEME FOR LARGE-SCALE MANAGED MANETS	Secure Allocation	NS2	2015
2.	ITNMN02	MAC-LAYER SELFISH MISBEHAVIOR IN IEEE 802.11 AD HOC NETWORKS: DETECTION AND DEFENSE	Selfish Misbehaviour Detection		2015
3.	ITNMN03	INTERFERENCE-BASED TOPOLOGY CONTROL ALGORITHM FOR DELAY-CONSTRAINED MOBILE AD HOC NETWORKS	Minimize Interferences		2015
4.	ITNMN04	INTERFERENCE PREDICTION IN MOBILE AD HOC NETWORKS WITH A GENERAL MOBILITY MODEL	Predict Interferences	NS3	2015
5.	ITNMN05	MOBILE-PROJECTED TRAJECTORY ALGORITHM WITH VELOCITY-CHANGE DETECTION FOR PREDICTING RESIDUAL LINK LIFETIME IN MANET	Distance Measurements		2015

TECHNOLOGY: NS2 and NS3

DOMAIN 3: VANET

S.NO	PROJECT CODE	PROJECT TITLE	APPLICATION	TECHNOLOGY	YEAR
1.	ITNVN01	REDUCING INTERFERENCES IN VANETS	VANET Communication	NS2	2015
2.	ITNVN02	ROFF: ROBUST AND FAST FORWARDING IN VEHICULAR AD-HOC NETWORKS	Multi-Hop Broadcasting		2015
3.	ITNVN03	SECURING WARNING MESSAGE DISSEMINATION IN VANETS USING COOPERATIVE NEIGHBOR POSITION VERIFICATION	Neighbour Position Verification		2015
4.	ITNVN04	SECURE AND PRIVACY PRESERVING PROTOCOL FOR CLOUD-BASED VEHICULAR DTNS	Prevent From Node Attacks	NS3	2015
5.	ITNVN05	MESSAGE AUTHENTICATION USING PROXY VEHICLES IN VEHICULAR AD HOC NETWORKS	Verification Of Messages		2015

TECHNOLOGY: NS2 and NS3

DOMAIN 4: COGNITIVE RADIO NETWORK

S.NO	PROJECT CODE	PROJECT TITLE	APPLICATION	TECHNOLOGY	YEAR
1.	ITNCN01	BRACER: A DISTRIBUTED BROADCAST PROTOCOL IN MULTI-HOP COGNITIVE RADIO AD HOC NETWORKS WITH COLLISION AVOIDANCE	Avoid Collision	NS2	2015
2.	ITNCN02	COGNITIVE RADIO-AWARE TRANSPORT PROTOCOL FOR MOBILE AD HOC NETWORKS	Channel Selection		2015
3.	ITNCN03	OPTIMAL RESOURCE ALLOCATION IN RANDOM ACCESS COOPERATIVE COGNITIVE RADIO NETWORKS	Spectrum Allocation		2015
4.	ITNCN04	PRIVACY-PRESERVING COLLABORATIVE SPECTRUM SENSING WITH MULTIPLE SERVICE PROVIDERS	Secure Spectrum Sensing	NS3	2015
5.	ITNCN05	AN ORDER OPTIMAL POLICY FOR EXPLOITING IDLE SPECTRUM IN COGNITIVE RADIO NETWORKS	Exploit Idle Spectrum		2015

TECHNOLOGY: NS2 and NS3

DOMAIN 5: NETWORK SECURITY

S.NO	PROJECT CODE	PROJECT TITLE	APPLICATION	TECHNOLOGY	YEAR
1.	ITNNS01	DYNAMIC ROUTING FOR DATA INTEGRITY AND DELAY DIFFERENTIATED SERVICES IN WIRELESS SENSOR NETWORKS	Wireless Sensor Network	NS2	2015
2.	ITNNS02	TRUST MANAGEMENT FOR DEFENDING ON-OFF ATTACKS	Access Control Policy		2015
3.	ITNNS03	PRIVACY-PRESERVING AND TRUTHFUL DETECTION OF PACKET DROPPING ATTACKS IN WIRELESS AD HOC NETWORKS	Wireless Ad-hoc Networks		2015
4.	ITNNS04	A DISTRIBUTED MULTI-CHANNEL MAC PROTOCOL FOR AD HOC WIRELESS NETWORKS	Resolving Congestion	NS3	2015
5.	ITNNS05	BEYOND SCALING LAWS: ON THE RATE PERFORMANCE OF DENSE DEVICE-TO-DEVICE WIRELESS NETWORKS	Wireless Networks		2015

Education Partners:

Technologies and Domain used:

IEEE 2014, 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 2014 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.
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- Excellent Placements through our **Spiro HR Management Consultants (SMC) Pvt Ltd.**

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