



SPIRO

Solutions Pvt. Ltd

- Research & Development Program (RDP)
- Final Year Academic Project (FAP) in software and Embedded Technologies
- Application Development Program (ADP)

AN ISO 9001:2008 CERTIFIED R&D COMPANY

PROJECT TITLES GUIDE
2008-2009

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About Stupros

The Stupros, a Subsidiary of Spiro Technologies & consultant Pvt. Ltd. It is an exclusive portal for students. Over a decade, we are furnishing individuals in all technologies and domains by fulfilling their desires in Research & Development sector through efficient training methodologies. All our efforts are focused on students to meet industry requirements.

The global presence and reach attained by Stupros are not only substantiated by its presence, but also by the environment provided for the students. Since our environment is encapsulated with doctorates, professionals and other experts. Accordingly, we created a setting which enables student to recover from the existing learning processes and making them to be an intellect.

In our increasing globalization, Stupros moves forward to unite the desires of students and challenges of the future in R & D sector by improving the agility and enabling students to achieve sustainable growth over their rivalry. For future enhancement, industry based knowledge's are provided for students in various levels. To sum up, we are filling student necessities in all possible ways to make career brighter in their desired field.

SPIRO-Professional Student Process Academy is Subsidiary of Spiro solutions Pvt. Ltd . Over a decade, we are furnishing individuals in all technologies and domains by fulfilling their desires in Research & Development and IT Training sector through efficient training methodologies. All our efforts are focused on students to meet industry requirements. SPIRO-Professional Student Process Academy is a premier provider of IT Training, Research and Development ,Project Training skills across The India ,Singapore and the Malaysia We offer true competency-based programs, we guarantee quality, and we guarantee to lower your costs, all at the same time. SPIRO offers on-site training at your college location as well as a regular schedule of open-enrollment classes at frequent intervals in more than 25 cities Across India. Our courses cover over 60 different subject areas, including programming, Domain Training, Project Training and system administration skills. We offer stand-alone classes in addition to all-inclusive certification training tracks.

We believe that when it comes to training, you need to develop true competence in new skills, not just receive an overview of syntax and techniques. The best way to assure competence is through facilitated hands on practice. Our students spend at least 50% of their time in class performing structured hands on lab exercises that build competence, confidence, and clarity. Founded in 2005 by experienced professionals, SPIRO has served thousands of Institutes and Lakhs of individuals over the six years.

NS2

IEEE PAPER TITLES

ELIGIBILITY: -

- ✓ M.E (CS, SOFT ENGG, NETWORKING, COMMUNICATION)
- ✓ B.E & B.TECH (I.T, CSE)
- ✓ M.SC, MCA

Technology : NS-2 (Network Simulator)

Domain : IEEE TRANSACTIONS ON MOBILE COMPUTING

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJNS201	Benefit-Based Data Caching in Ad Hoc Networks	2008
2.	ITJNS202	Mitigating Performance Degradation in Congested Sensor	2008
3.	ITJNS203	On the Computational Complexity and Effectiveness of N-Hub Shortest-Path Routing	2008
4.	ITJNS204	An Artificial Immune System Approach With Secondary Response for Misbehavior Detection in Mobile ad hoc Networks	2005
5.	ITJNS205	An Analytical Model for Information Retrieval in Wireless Sensor Networks Using Enhanced APTEEN Protocol	2005

J2EE

IEEE PAPER TITLES

ELIGIBILITY: -

- ✓ M.E (CS, SOFT ENGG, NETWORKING)
- ✓ B.E & B.TECH (I.T, CSE)
- ✓ M.SC, MCA

Technology : J2EE

Domain : IEEE TRANSACTIONS + CONFERENCE

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJ2EE01	Impact of User Participation on Web-based Information System: The Hong Kong Experience	2008
2.	ITJ2EE02	An Efficient Approach for NAT Traversal Problem on Security of Voice over Internet Protocol	2008
3.	ITJ2EE03	File Sharing versus Gift-Giving: a Theoretical Approach	2008
4.	ITJ2EE04	Ethical-Legal Challenges in User-Centric AmI Services	2008
5.	ITJ2EE05	A Semantic-rich Framework for Learning Software Patterns	2008
6.	ITJ2EE06	A Cautionary Note on Checking Software Engineering Papers for Plagiarism	2008
7.	ITJ2EE07	iArgue: A Web-based Argumentation System Supporting Collaboration Scripts with Adaptable Fading	2008
8.	ITJ2EE08	An Orchestration for Distributed Web Service Handlers	2008
9.	ITJ2EE09	UTISP: An Urban Traffic Information Portal based on Web-GIS	2008
10.	ITJ2EE10	Design and Architecture of a Portable User Agent in SIP Collaboration Systems	2008



J2EE

NON IEEE PAPER TITLES

ELIGIBILITY: -

- ✓ M.E (CS, SOFT ENGG, NETWORKING)
- ✓ B.E & B.TECH (I.T, CSE)
- ✓ M.SC, MCA

Technology : J2EE

Domain : NON IEEE PROJECTS

S.NO	CODE	PROJECT TITLE
1	NITJ2E01	Evaluation of a middleware architecture for enabling Service Level Agreement application servers
2	NITJ2E02	Cost-Sensitive Decision Making for Customer relationship management
3	NITJ2E03	Web Application Level Testing for agent
4	NITJ2E04	Intelligent learning system for promoting the sense of self-efficacy and motivating the student
5	NITJ2E05	Online sale and order conception based on the time and bid amount
6	NITJ2E06	Task planner for employee scheduling
7	NITJ2E07	Client/server model for the specific application needs in industries
8	NITJ2E08	Develop a solution for employees to get training in a subject
9	NITJ2E09	Computerize the Bank Process with cellular
10	NITJ2E10	Rating procedure of the website for proprietor and peoples
11	NITJ2E11	Developing result management system for the students to view their examination results
12	NITJ2E12	Implementation to avoid the Misunderstanding between Employees in the Organization
13	NITJ2E13	Effective class for student can interact with the task
14	NITJ2E14	Buying and selling share in online
15	NITJ2E15	Conducting the exam through online for recruitment process
16	NITJ2E16	Track the insurance details for the insurance companies
17	NITJ2E17	Network oriented application for city guide
18	NITJ2E18	Employment gateway system
19	NITJ2E19	Online booking for gas provider
20	NITJ2E20	Online mobile solution for computerized customer care and servicing unit

JAVA

IEEE PAPER TITLES

Eligibility: -

- ✓ M.E (CS, SOFT ENGG, NETWORKING)
- ✓ B.E & B.TECH (I.T, CSE)
- ✓ M.SC, MCA

Technology : JAVA

Domain : IEEE TRANSACTIONS ON NEURAL NETWORKS

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJNN01	Optimized Approximation Algorithm In Neural Networks Without Over Fitting	2008
2.	ITJNN02	Incremental Learning Of Chunk Data For Online Pattern Classification Systems	2008
3.	ITJNN03	Adaptive Gain Control For Spike-Based Map Communication In A Neuromorphic Vision System	2008
4.	ITJNN04	A Constrained Optimization Approach To Preserving Prior Knowledge During Incremental Training	2008
5.	ITJNN05	Non Negative Matrix Factorization In Polynomial Feature Space	2008

Technology : JAVA

Domain : IEEE TRANSACTIONS ON NETWORKING

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJNW01	Quiver: Consistent Object Sharing For Edge Services	2008
2.	ITJNW02	A Model-Based Approach To Evaluation Of The Efficacy Of Fec Coding In Combating Network Packet Losses	2008
3.	ITJNW03	Hybrid Scheduling Of Dynamic Task Graphs With Selective Duplication For Multiprocessors Under Memory And Time Constraints	2008
4.	ITJNW04	Performance Of A Speculative Transmission Scheme For Scheduling-Latency Reduction	2008
5.	ITJNW05	Rate And Delay Guarantees Provided By Clos Packet Switches With Load Balancing	2008
6.	ITJNW06	Two Techniques For Fast Computation Of Constrained Shortest Paths	2008

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
7.	ITJNW07	Measurement-Based Admission Control At Edge Routers	2008
8.	ITJNW08	Designing Less-Structured P2P Systems For The Expected High Churn	2008
9.	ITJNW09	Geometric Approach To Improving Active Packet Loss Measurement	2008
10.	ITJNW10	Implementing Multicast Distribution Through Recursive Unicast Trees	2008

Technology : JAVA

Domain : IEEE TRANSACTIONS ON DATA MINING

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJDM01	Truth Discovery With Multiple Conflicting Information Providers On The Web	2008
2.	ITJDM02	Online Index Recommendation For High-Dimensional Databases Using Query Workloads.	2008
3.	ITJDM03	C-Trend: Temporal Cluster Graphs For Identifying And Visualizing Trends In Multiattribute Transactional Data	2008
4.	ITJDM04	A Signature-Based Indexing Method For Efficient Content-Based Retrieval Of Relative Temporal Patterns	2008
5.	ITJDM05	Ranked Reverse Nearest Neighbor Search	2008

Technology : JAVA

Domain : IEEE TRANSACTIONS ON NETWORK SECURITY

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJNS01	Controlling IP Spoofing through Interdomain Packet Filters	2008
2.	ITJNS02	Modeling and Automated Containment of Worms	2008
3.	ITJNS03	A Precise Termination Condition of the Probabilistic Packet Marking Algorithm	2008
4.	ITJNS04	Efficient and Secure Content Processing and Distribution by Cooperative Intermediaries	2008
5.	ITJNS05	Security in Large Networks Using Mediator Protocols	2008

Technology : JAVA

Domain : IEEE TRANSACTIONS ON SOFTWARE ENGINEERING

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJSW01	Using The Conceptual Cohesion Of Classes For Fault Prediction In Object-Oriented Systems	2008
2.	ITJSW02	Security Requirements Engineering: A Framework For Representation And Analysis	2008
3.	ITJSW03	Call-Stack Coverage For GUI Test Suite Reduction	2008
4.	ITJSW04	Problem Oriented Software Engineering: Solving The Package Router Control Problem	2008
5.	ITJSW05	Ndt. A Model-Driven Approach For Web Requirements	2008

Technology : JAVA

Domain : IEEE TRANSACTIONS ON IMAGE PROCESSING

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJIM01	Mica: A Multilinear Ica Decomposition For Natural Scene Modeling	2008
2.	ITJIM02	Image Restoration Using Space-Variant Gaussian Scale Mixtures In Over completes Pyramids.	2008
3.	ITJIM03	A Lossless Compression Scheme For Bayer Color Filter Array Images	2008
4.	ITJIM04	A Generic Shape/Texture Descriptor Over Multiscale Edge Field: 2-D Walking Ant Histogram.	2008
5.	ITJIM05	Image Identification Among Different Images With Different Angles	2008

Technology : JAVA

Domain : IEEE TRANSACTIONS MOBILE COMPUTING

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJMC01	Mitigating Performance Degradation In Congested Sensor Network	2008
2.	ITJMC02	Location-Based Spatial Query Processing In Wireless Broadcast Environments	2008
3.	ITJMC03	Bandwidth Estimation For IEEE 802.11-Based Ad Hoc Networks	2008
4.	ITJMC04	Intrusion Detection In Homogeneous And Heterogeneous Wireless Sensor Networks	2008
5.	ITJMC05	Logarithmic SCFR Protocol In MANET	2008

JAVA

NON-IEEE PAPER TITLE

Eligibility: -

- ✓ B.E & B.TECH (I.T, CSE)
- ✓ M.SC, MCA
- ✓ DIPLOMA(CSE,IT)

Technology : JAVA
Domain : NON-IEEE PROJECTS

S.NO	PROJECT CODE	PROJECT TITLES
1	NITJ01	Error Tracking System
2	NITJ02	Finding Web Information Based On Voice Command
3	NITJ03	E-Compiler For Java With Security Editor
4	NITJ04	Data Transmission Using Multi-Tasking Sockets
5	NITJ05	Concealing Information In Audio Files
6	NITJ06	Data Hiding In Image File Using Steganography
7	NITJ07	Log Reader Based Code Analyzer
8	NITJ08	Remote Method Application
9	NITJ09	Secured Data Transmission In Mobile Ad-Hoc Network
10	NITJ10	Congestion Control Using Nbp
11	NITJ11	Effective Transmission Of Data Through Rbph For Group Communication
12	NITJ12	Effective Communication Between Systems In Intranet
13	NITJ13	Security System For Dns Using Cryptography
14	NITJ14	Empowering The Rmi In Java Approach
15	NITJ15	Congestion Control Mechanism Using Gcra Algorithm
16	NITJ16	Consistent Database Management Using Proxies
17	NITJ17	Communication Over Tcp/Ip In LAN
18	NITJ18	Increasing Efficiency In Wireless Network
19	NITJ19	Data Sharing Among Systems In The Network
20	NITJ20	Re-Ordering Of Packets Using Retransmission Timer
21	NITJ21	Common Route Detection On Demand Routing Protocols
22	NITJ22	One To Many Distribution Using Recursive Unicast Trees
23	NITJ23	Bandwidth Allocation For Distributed Algorithm
24	NITJ24	Self-Interested Routing In Online Environments
25	NITJ25	Securable Network In Three-Party Protocols
26	NITJ26	Efficient Key Management For Threshold- Multi Signature In Distributed System
27	NITJ27	Proposed Key Generation For Multimedia Application
28	NITJ28	Group Key Management And Secured Protocols For Peer Group Communication
29	NITJ29	Error Control System In Network Environment
30	NITJ30	Intruder Detection System Over Abnormal Internet Sequence

DOT NET

IEEE PAPER TITLES

Eligibility: -

- ✓ M.E (CS, SOFT ENGG, NETWORKING)
- ✓ B.E & B.TECH (I.T, CSE)
- ✓ M.SC, MCA

Technology : DOT NET

Domain : IEEE TRANSACTIONS ON DISTRIBUTED NETWORKING

S.NO	CODE	PROJECT TITLE	YEAR
1.	ITDNW01	Probabilistic Packet Marking for Large-Scale IP Trace back	2008
2.	ITDNW02	Rate Allocation and Network Lifetime Problem for Wireless Sensor Networks	2008
3.	ITDNW03	On Guaranteed Smooth Switching for Buffered Crossbar Switches	2008
4	ITDNW04	Efficient Broadcasting Using Store mix forward method	2008
5	ITDNW05	Incentive-Based Scheduling for Market-Like Computational Grids	2008
6	ITDNW06	Rateless Forward Error Correction for Topology-Transparent Scheduling	2008
7	ITDNW07	HBA:Distributed Metadata Management for Large Cluster-Based Storage Systems	2008
8	ITDNW08	Minimizing File Download Time in Stochastic Peer-to-Peer Networks	2008
9	ITDNW09	Statistical Techniques for Detecting Traffic Anomalies Through Packet Header Data	2008
10	ITDNW10	A Geometric Approach to Improving Active Packet Loss Measurement	2008

Technology : DOT NET

Domain : IEEE TRANSACTIONS ON DATAMINING

S.NO	CODE	PROJECT TITLE	YEAR
11	ITDDM01	A Cost-Based Approach to Adaptive Resource Management in Data Stream Systems	2008
12	ITDDM02	Watermarking Relational Databases Using Optimization-Based Techniques	2008
13	ITDDM03	Rough sets-based Search engine for grid service discovery	2008
14	ITDDM04	Analyzing and Managing Role-Based Access Control Policies	2008
15	ITDDM05	Hardware-Enhanced Association Rule Mining with Hashing and Pipelining	2008

Technology : DOT NET
Domain : IEEE TRANSACTIONS ON NETWORK SECURITY

S.NO	CODE	PROJECT TITLE	YEAR
16	ITDNS01	Trustworthy Computing under Resource Constraints with the DOWN Policy	2008
17	ITDNS02	Securing User-Controlled Routing Infrastructures	2008
18	ITDNS03	Credit Card Fraud Detection Using Hidden Markov Model	2008
19	ITDNS04	Temporal Partitioning of Communication Resources in an Integrated Architecture.	2008
20	ITDNS05	An Efficient Time-Bound Hierarchical Key Management Scheme for Secure Broadcasting	2008

Technology : DOT NET
Domain : IEEE TRANSACTIONS ON SOFTWARE ENGINEERING

S.NO	CODE	PROJECT TITLE	YEAR
21	ITDSW01	Semantics-Based Design for Secure Web Services	2008
22	ITDSW02	The Effect of Pairs in Program Design Tasks	2008
23	ITDSW03	Estimation of Defects Based on Defect Decay Model:ED3M	2008
24	ITDSW04	A Realistic Empirical Evaluation of the Costs and Benefits of UML in Software Maintenance	2008
25	ITDSW05	Effective Software Merging in the Presence of Object-Oriented Refactorings	2008

Technology : DOT NET
Domain : IEEE TRANSACTIONS ON IMAGE PROCESSING

S.NO	CODE	PROJECT TITLE	YEAR
26	ITDIP01	Vision Processing for Real-time 3-D Data Acquisition Based on Coded Structured Light	2008
27	ITDIP02	Piecewise Linear Digital Curve Representation and Compression Using Graph Theory and a Line Segment Alphabet	2008
28	ITDIP03	A Wavelet-Lap lace Variation Technique for Image Deconvolution and Inpainting	2008
29	ITDIP04	Image Interpolation by Adaptive 2-D Autoregressive Modeling and Soft-Decision Estimation	2008
30	ITDIP05	Active Learning Methods for Interactive Image Retrieval	2008

Technology : DOT NET

Domain : IEEE TRANSACTIONS ON MULTIMEDIA

S.NO	CODE	PROJECT TITLE	YEAR
31	ITDMM01	Orthogonal Data Embedding for Binary Images in Morphological Transform Domain- A High-Capacity Approach	2008
32	ITDMM02	Vcode - Pervasive Data Transfer Using Video Barcode	2008
33	ITDMM03	A Novel Framework for Semantic Annotation and Personalized Retrieval of Sports Video	2008
34	ITDMM04	Human Age Estimation With Regression on Discriminative Aging Manifold	2008
35	ITDMM05	Video Annotation Based on Kernel Linear Neighborhood Propagation	2008

Technology : DOT NET

Domain : IEEE TRANSACTIONS ON MOBILE COMPUTING

Ss.NO	CODE	PROJECT TITLE	YEAR
36	ITDMC01	Efficient Resource Allocation for Wireless Multicast	2008
37	ITDMC02	Benefit-Based Data Caching in Ad Hoc Networks	2008
38	ITDMC03	Bandwidth-Satisfied Multicast Trees in MANETS	2008
39	ITDMC04	A Self-Repairing Tree Topology Enabling Content-Based Routing in Mobile Ad Hoc Networks	2008
40	ITDMC05	Localized Sensor Area Coverage with Low Communication Overhead	2008

DOT NET

NON IEEE PAPER TITLES

Eligibility: -

- ✓ **B.E & B.TECH (I.T, CSE)**
- ✓ **M.SC, MCA**
- ✓ **DIPLOMA(CSE,IT)**

Technology : DOT NET

Domain : WINDOWS APPLICATIONS(VB.NET,C#.NET)

S.NO	PROJECT CODE	PROJECT TITLE
1	NIDA01	Route observe and organizer for both home and far-off machinery
2	NIDA02	Sophisticated automobile and freeway System
3	NIDA03	Developing a single working thread to handle many requests
4	NIDA04	Tariff board organism
5	NIDA05	Economic investigation catalog scheme for venture resolution
6	NIDA06	Improved authorize creator for software guard
7	NIDA07	Essential task administration gateway
8	NIDA08	Financial forecast system
9	NIDA09	Prayer time alert through message
10	NIDA10	Estimating construction cost for buildings
11	NIDA11	Search exam result through client /server architecture
12	NIDA12	Calculate available subnet and hosts in LAN
13	NIDA13	Designing effective port scanner and detector
14	NIDA14	Automatic backup and recovery scheduler
15	NIDA15	Securing TCP/IP communication using cryptography
16	NIDA16	Detect network status and alert by message
17	NIDA17	Developing intranet applications for multiclient chatting
18	NIDA18	Speech comparison using neural networks
19	NIDA19	Revealing and elimination of cracks on paints
20	NIDA20	Electronic communication of the prescription to the dispensary

Technology : DOT NET

Domain : WEB APPLIOICATIONS(ASP.NET WITH C# AND VB)

S.NO	PROJECT CODE	PROJECT TITLE
1	NIDW01	Developing a intranet application for group discussion
2	NIDW02	Hierarchical advertising estimation system
3	NIDW03	Document based organize system
4	NIDW04	Web Review system for organization
5	NIDW05	Automate the workflow of the requests
6	NIDW06	Automating the process of resume writing scheme
7	NIDW07	Electronic way of communication system
8	NIDW08	Customer complaints and service system
9	NIDW09	Web based employment Provider System
10	NIDW10	Yard and ship planning System
11	NIDW11	Traditionally administrative personnel functions with performance management system
12	NIDW12	Online bank Financial Services
13	NIDW13	Plant administration System
14	NIDW14	Improvement of a net based conference program
15	NIDW15	Web based staffing procedure for a corporation
16	NIDW16	Catalog activity Supervisor
17	NIDW17	Worldwide Net ranking System
18	NIDW18	Web creature pursue and Consumer maintain scheme
19	NIDW19	Distributed Computing for e-learning
20	NIDW20	Information screen in Share marketing



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