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Technology: JAVA

Domain : IEEE Transactions on Networking

IJ01 Year 2008	A Cellular-Based Routing Algorithm for Ad-Hoc Wireless Networks	This project proposes a routing algorithm for an ad-hoc network which is in the coverage of a cellular network. To perform routing in this ad-hoc network, the proposed algorithm exploits topology information of ad-hoc network that are obtained from base station in cellular network.
IJ08 Year 2008	A new multi-path AODV routing based on distance of nodes from the network center	In this paper, a new plan in multiple paths on-demand distance vector (AODV) routing is presented, which its routing based on the distance of nodes from the center of the network. In this new routing algorithm, the number of dropped packets will be decreased and indeed this will be happened with more balancing in the network.
IJ12 Year 2008	A Safe AODV (Ad Hoc On-Demand Distance Vector) Security Routing Protocol	The goal of this project is to analyze AODV protocol, which is a routing protocol, the important routing protocol in ad-hoc network, so that it can overcome the problem in security threats. It used the lightest and fastest message authentication code, so was able to design rather safer AODV routing protocol.
IJ14 Year 2008	Adaptive Routing in Dynamic Ad Hoc Networks	The goal of this project is to perform a new routing scheme, Adaptive Routing in Dynamic ad hoc networks (AROD), which is a seamless integration of several existing schemes. Simulation results show that AROD is highly scalable and is adaptive to different scenarios.
IJ17 Year 2007	An Automobile Control Method for Alleviation of Traffic Congestions Using Inter-Vehicle Ad Hoc Communication in Lattice-Like Roads	The goal of this project is to implement an automobile control method for alleviation of traffic congestion using inter-vehicle ad hoc communication in lattice-like roads. In the proposed method, each automobile broadcasts information of the automobile. The information is relayed in multi-hop transmissions, and each automobile obtains information of automobiles.
IJ22 Year 2007	Automatic power meter reading system using GSM network	The goal of this project is to develop a GSM automatic power meter reading (GAPMR) system. A working prototype of the GAPMR system was build to demonstrate the effectiveness and efficiency of automatic meter reading, billing and notification through the use of GSM network.
IJ23 Year 2007	Congestion Management in MINs through Marked and Validated Packets	The goal of this project is to perform an effective and efficient congestion management mechanism for lossless interconnection networks based on explicit congestion notification. The mechanism uses two different flags in ACK packets, a Marking Bit (MB) and a Validation Bit (VB), to detect congestion and warn the origin hosts.
IJ24 Year 2008	Controlling IP Spoofing through Interdomain Packet Filters	In this paper we design a unique algorithm to identify IP spoofing based on the Inter domain packet filters.
IJ27 Year 2008	Design and Implementation of a Bluetooth based General Purpose Controlling Module	The goal of this project is to implement a controlling module designed with the capability of controlling and sensing devices simultaneously. The communication between the controlling module and the remote server is done using Bluetooth technology. The server can communicate with many such modules simultaneously

IJ28 Year 2008	Design and Implementation of Remote Monitoring System Based on GSM	In this system, GSM network is a medium for transmitting the remote signal via SMS. The system includes two parts which are the monitoring center and the remote monitoring station.
IJ36 Year 2008	Mobile ad-hoc network key management with certificate-less cryptography	The goal of this project is implement an idea of adopting certificate-less public key encryption (CL-PKE) schemes over mobile ad hoc network (MANET). There exist two main approaches, namely the public key cryptography and identity-based (ID-based) cryptography.
IJ39 Year 2007	Routing Based Load Balancing for Unstructured P2P Networks	The goal of this project is to implement a novel routing based algorithm for load balancing in heterogeneous, dynamic unstructured P2P networks. Our algorithm does not need the global information and hence is resilient to dynamic node arrivals, departures, and failures.
IJ42 Year 2007	TEAM: Trust Enhanced Security Architecture for Mobile Ad-hoc Networks	The goal of this project is to implement trust enhanced security architecture for MANET (TEAM), in which a trust model is overlaid on the following security models - key management mechanism, secure routing protocol, and cooperation model.
IJ43 Year 2007	The Wireless Sensor Network for Home-Care System Using ZigBee	The goal of this project is construct the wireless sensor networks (WSN) to observe the human physiological signals by ZigBee, which is provided with lower power consumption, small volume and two-way transmission. ZigBee is generally used for home care, industrial and security control
IJ44 Year 2008	Using a mobile device to enhance customer trust in the security of remote transactions	The goal of this project is to implement a new scheme for online payment systems based on a mobile personal device and existing credit card electronic payment protocols. The model focuses on trust to enhance the feeling of security in the use of credit cards for online payment systems.
IJ46 Year 2008	Weight based DSR for Mobile Ad Hoc Networks	The goal of this project is to perform an improvement of DSR in order to include some of the aspects of ad hoc networks. A new metric to evaluate route based on intermediate nodes weight computed by combining the stability and the battery power of nodes is proposed to choose the most stable and powered nodes for packet forwarding.
IJ47 Year 2009	ZigBee Wireless Vehicular Identification and Authentication System	The goal of this project is to construct a ZigBee technology based wireless vehicle identification and driver authentication system consisting of a central database of authorized vehicles, ZigBee RF Vehicle tags, RF tag Reader and RF tag Writer.
IJ53 Year 2009	A Secure Mobile Health card System Using Trust-Based Multicast Scheme	The goal of this project is to develop a secure multicast strategy that employs trust in order to evaluate the behaviour of each node in the mobile ad hoc sensor network, so that only trustworthy nodes are allowed to participate in communications, while the misbehaviour of malicious nodes is effectively prevented.

Technology: JAVA

Domain : IEEE Transactions on Network Security, Cryptography

IJ02 Year 2007	A Feature-Based Digital Image Watermarking for Copyright Protection and Content Authentication	The goal of this project is to determine the image authentication and protection simultaneously. Hessian-Affine feature detector is adopted to extract characteristic regions of an image in the proposed watermark embedding scheme.
IJ07 Year 2009	A new electronic cash model	In this paper, we present a customer generated electronic cash model that provides anonymity for customers and is technically more secure than credit card systems. It eliminates the withdrawal phase of electronic cash systems, thus it is more convenient for customers to use
IJ25 Year 2008	Cryptanalysis and Improvement of a Remote User Authentication Scheme using Smart Cards	The user authentication mechanism is an important part of the network security to protect unauthorized access. Based on cryptographic techniques, several schemes have been proposed for ID-based authentication schemes with smart cards. In this paper, we propose dynamic ID-based and ID-based remote user authentication schemes using smart cards those can eliminate the flaws those are found in previous scheme.
IJ30 Year 2008	Digital Right Management Model Based on Cryptography and Digital Watermarking	This paper proposes a Digital Right Management model using both cryptography and digital watermarking technology. This model encrypts digital content with high-performance symmetric key, and uses robust watermarking and fragile watermarking separately to embed copyright information.
IJ31 Year 2006	Expenditure Limits in Anonymous Credit Card Systems	The goal of this project is to minimize risks caused by dishonest transactions, using a mechanism to detect every dishonest transaction record at its occurrence time, and to limit total expenditures of individual cardholders while maintaining anonymity of their transactions.
IJ34 Year 2008	Integrating Flexible Electro-phoretic Display And One-Time Password Generator in Smart Cards	This paper presents a smart card that integrates a one-time password generator and a flexible display. Asking a card user to enter a time-variable password provides added security by ensuring the card owner actually holds the credit card when making card-not-present transactions.
IJ38 Year 2008	Protection and Recovery of Disk Encryption Key Using Smart Cards	The goal of this project is to implement a scheme that can limit key recovery when the user's smart card is lost and can do so without the administrator knowing the key. The smart card is used for generating the key and for improving the user authentication.
IJ45 Year 2008	Verification and validation communication layer of embedded Smart Card system	Smart card system works by installing a smart card reader at the entrance and connects through network which consist database and system application. The staff access can be validated through an authentication process that compares serial number on the card with a serial number stored on database.
IJ52 Year 2009	Enhanced Security for Online Exams Using Group Cryptography	The goal of this project is to implement an enhanced secure online exam management environment mediated by group cryptography using remote monitoring and control of ports and input.

Technology: JAVA

Domain : IEEE Transactions on Image Processing

IJ15 Year 2008	Adaptive Wavelet Packet Based Audio Steganography using Data History	The goal of this project is to implement a novel method for digital audio steganography where encrypted covert data is embedded by adaptively modifying wavelet packet coefficients of host audio signal.
IJ16 Year 2009	An adaptive steganographic technique based on integer wavelet transform	The goal of this project is to optimize the two main requirements by proposing a novel technique for hiding data in digital images by combining the use of adaptive hiding capacity function that hides secret data in the integer wavelet coefficients of the cover image with the optimum pixel adjustment (OPA) algorithm.
IJ18 Year 2007	An Efficient Block-by-Block SVD-Based Image Watermarking Scheme	The goal of this project is to perform a block based digital image watermarking that is dependent on the mathematical technique of singular value decomposition (SVD). In the proposed approach, the original image is divided into blocks, and then the watermark is embedded in the singular values (SVs) of each block separately.
IJ33 Year 2008	High capacity error free wavelet Domain Speech Steganography	The goal of this project is to perform a new speech steganography in wavelet domain. In this method, lifting scheme is used to create perfect reconstruction Int2Int wavelets. The data is hidden in some of the Least Significant Bits (LSB) of detail wavelet coefficients.
IJ40 Year 2008	Secure Steganography in Compressed Video Bit streams	The goal of this project is to implement a new compressed video secure steganography (CVSS) algorithm is proposed. In the algorithm, embedding and detection operations are both executed entirely in the compressed domain, with no need for the decompression process.

Technology: JAVA

Domain : IEEE Transactions on Grid Computing

IJ03 Year 2008	A Heuristic on Job Scheduling in Grid Computing Environment	The goal of this project is to implement a job scheduling algorithm in grid computing environments. The results show that the new proposed algorithm has a better efficiency in comparison with the results obtained from other known algorithms.
IJ05 Year 2007	A load balancing model for grid environment	The goal of this project is to avoid load balancing problem in classical distributed systems that has been intensively studied, new challenges in Grid computing.
IJ06 Year 2007	A Load Balancing Technology Oriented to Common Service Information System	The goal of this project is to perform a new load balancing strategy and realization technology based on Multi-Agent, gives its structure and algorithm, as well as simulation experiment.
IJ19 Year 2008	An Evolution-Based Dynamic Scheduling Algorithm in Grid Computing Environment	The goal of this project is to perform an evolution-based dynamic scheduling algorithm (EDSA) for scheduling in grid computing environments. The proposed algorithm uses the genetic algorithm as search technique to find an efficient schedule in grid computing and adapts to variable numbers of computing nodes which has different computational capabilities.
IJ49 Year 2008	Bi-Criteria Scheduling of Scientific Grid Workflows	The goal of this project is to implement a general bi-criterion scheduling heuristic called dynamic constraint algorithm (DCA) based on dynamic programming, dedicated to the problem model defined in the paper.

Technology: JAVA

Domain : IEEE Transactions on Data Mining

IJ20 Year 2008	Application of Classification Models on Credit Card Fraud Detection	In this paper we study data mining classification algorithms in the application of credit card fraud detection
IJ26 Year 2008	Data mining for social network analysis	In this paper we try to implement data mining algorithm for social network analysis.
IJ29 Year 2008	Developing an Integrated Time-Series Data Mining Environment for Medical Data Mining	In this paper we implement data mining algorithms to classify medical data.
IJ41 Year 2008	Spam filtering with several novel bayesian classifiers	In this paper spam is studied and we model a Bayesian algorithm to classify spam data from regular data using data mining techniques.
IJ50 Year 2008	Clustering and Sequential Pattern Mining of Online Collaborative Learning Data	In this paper we implement clustering algorithms for online collaborative data.

Technology: JAVA

Domain : non-IEEE Projects on various domains

RJ01	Automated parking system	A pre-paid parking lot which doesn't require driver. Leave the car at entrance module, where the system checks for a free slot to park in. At peak periods a wait may be involved before entering or leaving.
RJ02	Secure Banking System	Fingerprint biometrics can be used for verification of the client's identity for money transfers, withdrawals and the closing of accounts. This will entail one-to-one verification of the client's fingerprint against a claimed identity and only then money transfer would take place.
RJ03	Home Automation using Mobile Technology	Home automation is very popular these days and it is common to read in magazines about its marvels. It is possible to achieve home automation with remote control and monitoring via GSM phones. This is enough to irrigate plants, to switch ON or OFF lights, to open an electric gate, to interface a burglar alarm, etc, by sending SMS.

RJ04	Mobile Fund Transfer using Mobile Phone	Time is of the essence for many funds transfers. The proposed Software allows the consumers to safely and securely transfer funds through a standard mobile phone - with no software downloads required.
RJ05	Secured Voting System	Secure voting system which makes elections to consume less resource. This is achieved by the help of biometric voting machines. The system ensures that the user votes only once, with a centralised database.
RJ06	Loyalty business tracker	Loyalty Tracking excels in increasing customer-vendor effective communication, aiming to minimize expectation gaps and optimize the win-win dynamic. Loyalty Tracking insights will help you increase your business success and customers' satisfaction by providing genuine insights of the way they perceive you. A smart card will keep track business loyalty.
RJ07	Campus Management System	The Campus Management software is an integrated solution which takes care of the various activities of an educational institution like institution management, student management, administrative functions, etc. The solution is available as a basic integrated application upgradeable to an Internet system.
RJ08	Steganography and encryption in audio files	Audio steganography is similar to the process of modifying the Least Significant Bit of image files. By modifying the LSB of several bits of an audio file, only minor changes occur in the sound, most of which can't be differentiated by the human ear. Where as the data will be encrypted using a cryptography algorithm.
RJ09	Optical Character Recognition Dictionary	The aim of the project is to develop a dictionary tool, which can recognize a character from scanned BMP image (converting the scan image from its original format to BMP format is out of scope of this project) in the English and displays dictionary meaning of the word.
RJ10	Hand-held Campus	The system will be get user's location within selected buildings. Clearly, raw location information is useless to the user, so the system must also provide a visual representation of the current location. Additionally, the system must be able to determine routing information in order to give the user directions to a chosen destination through a static map.
RJ11	Authenticated Driving license	Drivers exceeding the speed limit in the state will soon have the distinction of handing to a police officer the world's first smart card driver's licenses. The smart card driver's license incorporates three-factor authentication: The driver has the card in his or her possession; knows the PIN number to access the information on the card; and the face on the card matches the driver's face.
RJ12	Digital water marking for image piracy detection	Digital watermarking is the process of possibly irreversibly embedding information into a digital signal. The signal may be video. If the signal is copied, then the information is also carried in the copy. By this concept the piracy can be prevented.
RJ13	Dynamic Source Routing using Fuzzy Logic	Determining source routes requires accumulating the address of each device between the source and destination during route discovery. The accumulated path information is cached by nodes processing the route discovery packets. To accomplish source routing, the routed packets contain the address of each device the packet will traverse.

RJ14	Image sharpening for CT scanner	The aim of the project is to build/develop a filter for sharpening a CT scanner image output. The scanned image in BMP format (converting the scan image from its original format to BMP format is out of scope of this project) is the input of the filter.
RJ15	Secure data transfer using TCP/IP with RSA algorithm	The system to achieve data transmission over TCP/IP network in secured channel. The security is being provided by using cryptography.
RJ16	Implementation of Digital Signature System	A digital signature or digital signature scheme is a mathematical scheme for demonstrating the authenticity of a digital message or document. A valid digital signature gives a recipient reason to believe that the message was created by a known sender, and that it was not altered in transit. Digital signatures are commonly used for software distribution, financial transactions.
RJ17	Authentication of digital images using steganography	Cryptography is the science of writing in secret codes. But cryptography does not always provide safe communication. Steganography is the science of hiding information. Whereas the goal of cryptography is to make data unreadable by a third party, the goal of steganography is to hide the data from a third party.
RJ18	Implementation of Anti Phishing system	In an illustrative implementation, an anti-phishing computing environment comprises an anti-phishing engine and an instruction set operable to provide one or more instructions to the anti-phishing engine directing the collection and generation of data for use as part of an anti-phishing operation.

Technology: J2EE

Domain : IEEE Transactions on various domains

IJ201 Year 1998	A new scheme of credit based payment for electronic commerce	The goal is to create a new credit card system, which protects secret information, such as credit card number, PIN and identification. Our credit cards are anonymous. That is, the identity of a card holder and credit card information are not revealed during a payment process
IJ203 Year 2008	A Proposed Solution for Managing Doctor's Smart Cards in Hospitals Using a Single Sign-On Central Architecture	This paper describes a single sign-on solution for the central management of health care provider's smart cards in hospitals. The proposed approach is made possible through the introduction of a national healthcare telematics infrastructure in which every physician and every patient will automatically be given an electronic health smart card and a corresponding health professional card.
IJ204 Year 2007	A RFID-based Material Tracking Information System	Radio Frequency Identification (RFID) is the next generation wireless communication technology applicable to various areas. We integrate RFID readers into the Material Tracking Information System. RFID reader and back-end database both help to automatically record and store the circulation history and current status of a tracked object.
IJ205 Year 2004	A security-enhanced one-time payment scheme for credit card.	The goal is to implement one-time transaction numbers to enhance the security in credit card payment. We use a hash function in generation of one-time credit card numbers: the next one-time number is computed by hashing the current one-time number with a secret that is known only by card holder and issuer.

IJ206 Year 2007	A Smart Card Based Prepaid Electricity System	The goal is to implement a smart card secure solution for a novel prepaid electricity system. The proposed system uses an IP-based controller in addition to a power meter, providing efficient online control of the amount of electricity consumed by the user. The user will be notified if his credit balance goes below certain threshold
IJ207 Year 2007	An online fraud-resistant technology for credit card E-transactions	The goal is to construct an online fraud-resistant technology for credit card e-transactions, which provides three characteristics: cardholder-driven identification, merchant-driven verification, and issuer-driven authorization.
IJ208 Year 2007	Smart Parking Applications Using RFID Technology	The goal is to give a solution has been provided for the problems encountered in parking-lot management systems via RFID technology. RFID readers, RFID labels, computers, barriers and software are used as for the main components of the RFID technology
IJ209 Year 2007	Designing a RFID Program for Improved Supplier Management	The goal is to perform RFID adoption in the context of supplier management, and develop an incentive mechanism that outlines the optimal structure of the RFID program under various scenarios.
IJ210 Year 2007	Enhancing E-Commerce Processes with Alerts and Web Services: A Case Study on Online Credit Card Payment Notification	We design a Notified Credit Card Payment System (NCCPS) to handle the notification and confirmation. Through an Alert Management system component, the NCCPS systematically integrates the communications amount the merchants, banks or credit card service providers, and mobile service providers through Web services. Messages are sent through SMS to notify the cardholder as an alert in order to get the confirmation for completing the payment
IJ211 Year 2008	Online students supervision (OSS) systems using passive RFID	The goal is to implement OSS system used the main component of passive RFID system, database management system and online networking. When the RFID tags pass through the RFID reader, the system will record the data from the RFID tag to the database systems. Then the data will be sent online to the management for the supervision of students.
IJ212 Year 2008	Protection and Recovery of Disk Encryption Key Using Smart Cards	The goal is to design scheme that can limit key recovery when the user's smart card is lost and can do so without the administrator knowing the key. The smart card is used for generating the key and for improving the user authentication.
IJ213 Year 2008	RFID Application Framework for pharmaceutical supply chain	The goal is to implement RFID-based pharmaceutical process and extract critical success factors (CSF) from the perspective of technology and management. Our research is aim to provide a reference for the enterprises which intend to adopt RFID, and accelerate the pace of RFID application in pharmaceutical supply chain.
IJ214 Year 2008	Security Design for Multi-service Smart Card Systems	This project proposes a secure multi-service system model which allows users to access different services with a single password. The privacy and service confidentiality are achieved through a set of protections-password protection, user identity protection, and service transaction protection to guarantee the user's anonymity to all service systems and ensure high unlinkability between different services.

Technology: J2EE

Domain : Non-IEEE Projects on various domains

RJ201	GIKS - General Information kiosk	An Interactive kiosk is a computer terminal that provides information access via electronic methods. Most kiosks provide unattended access to web applications. Early iteration interactive kiosks sometimes resembled telephone booths, but can also be used while sitting on a bench or chair. Interactive kiosks are typically placed in high foot traffic settings such as hotel lobbies or airports.
RJ202	Library Management System	The goal of our project is to build a system which other than tracking (book in/ out) have an interface between the exit sensors and the circulation system to identify the items moving out of the library. If someone takes the book out of the library without borrowing from the library staff, the alarm is activated at the exit gate. This is achieved using a "theft bit" which can be deactivated only by the librarian.
RJ203	Implementation of SMS server for query response	The inbuilt SMS Gateway can be used with any GSM modem. The SMS Application Server can be configured based on the incoming SMS keyword. Powerful command line interface allows you to integrate system with third party products to trigger event based SMS message(s). This makes system one of the most open and versatile product whose application areas are limited only by your power of imagination!
RJ204	Medical information System	The Medical information system is a general purpose computer-based information storage, retrieval, and analysis system. It is designed for a time sharing, on-line computer system for the rapid and easy creation, maintenance, and analysis of general data files. A wide variety of types of information may be used. These include numeric category, text, date, and multiple-response.
RJ205	M Sign Using Mobile	The objective is to establish and develop a secure cross-application infrastructure for the deployment of mobile digital signatures. This can be used for internet transactions.
RJ206	E-Governance for Real Estate	The aim of our project is to create and implement a public e-service for real estate contracts using which information of the real estate register and cadastre will be provided to notaries and contract parties online in their workplace. The notary will have the opportunity to transfer information to the Register Centre via electronic means.
RJ207	Online Insurance Claim processing	The goal of this project is to create a online claims processing which has the advantage of faster claims settlement, reduced loss of revenue, increased customer retention, regulatory compliance, improved efficiency, cost reduction.
RJ208	CGS – An innovative cheque guarantee scheme	The goal of this project is create an online cheque locking system wherein whenever a person issues a cheque, it will be possible for the receiver to lock the amount in the issuer's bank by using CGS online transaction portal. The issuer needs to issue the electronic cheque along with the cheque number and amount details. If the funds are available then the amount is locked and a unique transaction id is created which is sent along with the cheque.
RJ209	Automated Import/Export Processing In ERP	The goal of this project is to build a system which can be used by any company which involves in import and export of goods. This web based system must be created in such a way that the entire process of goods handling will be automated and well documented

RJ210	Online Human Resource Management	HRM is the strategic and coherent approach to the management of an organization's most valued assets - the people working there who individually and collectively contribute to the achievement of the objectives of the business. In simple sense, HRM means employing people, developing their resources, utilizing, maintaining and compensating their services in tune with the job and organizational requirement.
RJ211	Hospital management system	The goal of this project is to design a system which will improve the quality of care given to the patients of a hospital. The system will also decrease the time spent by the patients in getting an appointment and visiting the doctor. This system must reduce the cost spent on administration by the hospital and help us extend the care given for the patients.
RJ212	Interactive complaints registration management	The goal of our project is to design a system with all the above ideas in mind. The system should be made in a way that the customer complaint must be looked into and a positive response must be made as soon as possible. Everyone working in the organization can be involved in this to provide better results
RJ213	Online Blood Bank	The objective of the project is an online edge for bringing mutually giving blood donors and patients (blood requesters) who needs blood. The primary objective of the project is to create an interactive Blood donors, Blood requesters and Blood bank clinics. This web application is to be conceived in its current form as a dynamic site-requiring constant updates both from the blood donors as well as the blood requesters.
RJ214	Effort Tracking System	This project is aimed at developing Effort Tracker System, it is used to track the employee activities and summarize all related activities with total hours spent and calculates the percentage efficiency utilized and generates a report for the same. The Effort Tracking system collects information that can be translated into an activity report, which is a critical document in recognizing employee productivity as well as in fulfilling state and federal legislative requirements
RJ215	Online Ticketing with Mobile Authentication	The goal of the project is to develop a system which will provide us with assured tickets. The system will be very secure and uses a prepaid account. By this process, we will be able to assure tickets and authentication is done with the help of the mobile phones. A specific code has to be sent in order to complete the booking
RJ216	Leave Management System	The main aim of our project is to develop a system, where the employee's of an organisation can request for leave to their superior, which will be looked processed and sent back. Each employee has an account where he can review his available leave days. And he has to record his fingerprint daily to register his attendance. This will save a lot of time for the organization.
RJ217	Online vehicle booking system	Online vehicle booking software for small medium and large businesses. Facilitates online vehicle fleet scheduling for your staff. From here you may book your vehicle test for Car.
RJ218	Project tracking system	Project Tracking System that will allow you to efficiently manage all of your projects and clients. The system is packed with powerful tools that will increase your productivity and profit margin. This project tracking system tracks your projects to keep you on track. The project tracker tells you when you are late.
RJ219	Online book store	Bookstore to buy books online. Keeps track of the books availability Purchase books online.

RJ20	Pharmaceutical distribution & management system	This system will help to work with major pharmaceutical companies to distribute some of the most carefully controlled substances in the world. The software solution supports the tracking and distribution of drugs. Uncompromising lot control and quality assurance make the pharmaceutical industry process model one of the most demanding challenges within distribution and supply chain management.
RJ222	Cargo tracking System	This function provides "Quick Tracking" and "Multiple Tracking". Through this online tracking facility you can get real time status information on your shipment. All you have to do is select the Medium, verify or change the prefix of your shipment number, enter the AWB number, click on the Submit button, and this system will automatically retrieve and display the current status of your cargo.
RJ223	Web enabled sales order processing	The Sales Order Processing module provides a full range of multi-currency sales order processing functions, including the ability to support multiple VAT rates, the provision of gratis copies, part orders and part deliveries.
RJ224	Online Hotel management system	Hotel Management System is an ideal software solution for Hospitality Industry that can be used at hotels, motels, inns, resorts, lodges, hostel, military guest houses, ranch, suites, apartments, medical centres and bed, breakfast operations
RJ225	ERP - Sales order processing	Customer Order Management integrates with existing Enterprise Resource Planning (ERP) systems to consolidate order information from sales, marketing, credit, finance, tax, customer service and approval information for streamlined access and use.
RJ226	Employee performance monitoring system	A fully automated 360° employee review system that is suitable for corporate intranet or Web-based Internet applications. The system enables multi-perspective employee data collection from various sources such as an employee's superiors, peers, subordinates, clients and the employee himself. The system also permits a participant to select persons whose employment performance the employee desires to review but is not obligated to review.
RJ227	Examination Result Management System	The system revolutionizes the entire examination process by diligently meeting the requirements of the university in conducting examination. The system automates the complete life cycle of Examination Management which includes online registration of candidates, examination fee management, marks uploading, hall ticket generation, question bank management, question paper generation, automated evaluation up to processing and publication of results.
RJ228	Global Web Rating	A system that provides a facility of rating a website. The rating is done globally, that is the rating will be updated in a centralized database.
RJ229	Online Examination for Recruitment Process	The entire process is simple and fast for both the candidates and the institution. The candidates just walk in to the designated exam with their admit cards to write the exam. The examination environment is highly secure with hack proof mechanisms in the System. All the sites except for the examination site are blocked and the question papers are also generated randomly for each of the candidate.

Technology: Dot Net

Domain : IEEE Transactions on Networking

ID03 2008	A new multi-path AODV routing based on distance of nodes from the network center.	Routing means choosing the suitable and correct path for transferring data from a source to a destination. The goal of this project is to develop a new multi-path AODV routing algorithm, the number of dropped packets will be decreased and indeed this will be happened with more balancing in the network.
ID06 2008	A Routing Protocol Based on Distance Vector in Ad Hoc Networks	The goal of our project is to provide a specific shortest routing protocol based on distance vector and adjacency matrix and compare the performance of the proposed routing protocol with those of AODV and DSDV by computer
ID08 2007	A Smart Card Based Prepaid Electricity System	The goal is to implement a smart card secure solution for a novel prepaid electricity system. The proposed system uses an IP-based controller in addition to a power meter, providing efficient online control of the amount of electricity consumed by the user. The user will be notified if his credit balance goes below certain threshold
ID09 2007	A Trust based Security Framework for Pure AODV Network	This project is to implement a trust based security framework to identify malicious nodes in ad hoc on-demand distance vector (AODV) network. Each node calculates trust level of its neighbouring nodes for route selection. Trust calculation process involves opinions of other nodes about the node whose trust level is to be determined.
ID14 2009	An Improved AODV Routing Protocol Based on the Congestion Control and Routing Repair Mechanism	The goal of this project is design an improved AODV protocol called AODV-I. By adding the congestion processing to the RREQ message and the routing repair mechanism to the RREQ message, the new protocol reduces the packet loss rate and the end-to-end latency and also enhances the utilization rate of the network resources
ID16 2007	Authenticated On-Demand Ad Hoc Routing Protocol without Pre-shared Key Distribution	The goal is to develop an authenticated on-demand ad hoc routing protocol integrated with a key establishment protocol without pre-shared secret key distribution. We apply ID-based statically keyed authenticator to DSR protocol, so we do not require a public key certificate as well as pre-shared secret key distribution.
ID19 2008	Design and Implementation of Remote Monitoring System Based on GSM	The goal of this project is to develop a system that can monitor and control the remote communication between the monitoring center and the remote monitoring station.
ID20 2009	Design of robust and secure encryption scheme for WSN using PKI	This project is to develop an implementation of public key infrastructure (PKI) for robust and secure encryption in WSN. Our protocol uses public key encryption only for some specific tasks as session key setup between the base station and sensors giving the network an acceptable threshold of confidentiality and authentication.
ID22 2009	Exchange Routing Information between New Neighbour Nodes to Improve AODV	The goal of this project is to implement AODV protocol for exchange of routing information provided by the new neighbour nodes , significantly improves the performance with high mobility and traffic level network in term of delay and packet delivery ratio.

ID24 2008	Hop by Hop congestion control system for adhoc networks	The goal of this project is to implement hop-by-hop algorithm, to achieve short delays and quick responses to the congestion situations, and cause no packet loss. It can also minimize the bandwidth requirement and achieve high buffer usage level for nodes along the transmission path.
ID26 2008	Intelligent MANET Routing System	This project is to implement a novel intelligent mobile ad hoc network routing system which is adaptable to the variations in the MANET context. This intelligent system acquires the network's performance and then selects the optimum and best routing based on network context, such as: number and mobility of nodes.
ID32 2007	Securing Vehicular Ad Hoc Networks	The goal of this project is to design an intelligent transport system which is VANET (vehicular ad-hoc network). For the system to run normally, the information has be transferring correctly and fleetly, the security of VANET (vehicular ad-hoc network) of the road condition information transferring system is crucial.
ID37 2008	Using a mobile device to enhance customer trust in the security of remote transactions	This project is to develop a new scheme for online payment systems based on a mobile personal device and existing credit card electronic payment protocols. The model focuses on trust to enhance the feeling of security in the use of credit cards for online payment systems.
ID39 2008	ZigBee Wireless Vehicular Identification and Authentication System	The goal of this project is to construct a Zigbee technology based wireless vehicle identification and driver authentication system consisting of a central database of authorized vehicles, Zigbee RF Vehicle tags, RF tag Reader and RF tag Writer.

Technology: Dot Net

Domain : IEEE Transactions on Data Mining

ID15 2007	Application of Classification Models on Credit Card Fraud Detection	The goal of this project is to develop a useful framework to choose the best model to recognize the credit card fraud risk. Different classification methods like decision tree, neural networks and logistic regression are tested for their applicability in fraud detections.
ID17 2008	Credit card fraud detection system	The number of credit card fraud cases is constantly increasing in spite of the chip cards worldwide integration and existing protection systems. The goal of this project is to develop fraud detection system and comparisons between models based on using of artificial intelligence.
ID31 2007	Real Time Credit Card Fraud Detection using Computational Intelligence	The goal of this project is to implement real-time fraud detection and presents a new and innovative approach in understanding spending patterns to decipher potential fraud cases. It makes use of Self Organization Map to decipher, filter and analyze customer behaviour for detection of fraud.
ID35 2008	Spam filtering with several novel Bayesian classifiers	The create a report on spam filtering with three Bayesian classification methods: aggregating one-dependence estimators (AODE), hidden Naive Bayes (HNB), locally weighted learning with Naive Bayes (LWNB). Four feature selection methods: gain ratio, information gain, symmetrical uncertainty and Relief, are used to select relevant words for spam filtering.

ID36 2006	The Behavioural Estimation of Credit Card Accounts by Markov Chain	The goal of this project is to develop to measure to reduce the risk of credit card by supervising the behavioural change of credit card accounts. It gives the method and basis to forecast and management the behavioural of credit card accounts.
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Technology: Dot Net

Domain : IEEE Transactions Image Processing

ID01 2007	A Feature-Based Digital Image Watermarking for Copyright Protection and Content Authentication	The goal of this project is to determine the image authentication and protection simultaneously. Hessian-Affine feature detector is at adopted to extract characteristic regions of an image in the proposed watermark embedding scheme.
ID11 2007	Adaptive Wavelet Domain Audio Steganography with High Capacity and Low Error Rate	The goal of this project is to implement an adaptive wavelet domain steganography with high capacity and low error rate by using lifting scheme to create perfect reconstruction filter banks which are Int2Int and hide data in least significant bits (LSB) of details coefficient in an adaptive way to reduce the error rate.
ID21 2008	Digital Right Management Model Based on Cryptography and Digital Watermarking	This paper proposes a Digital Right Management model using both cryptography and digital watermarking technology. This model encrypts digital content with high-performance symmetric key, and uses robust watermarking and fragile watermarking separately to embed copyright information.
ID02 2008	A New Introduction towards Invisible Image Watermarking on Color Image	
ID25 2008	Image based steganography using LSB insertion technique	

Technology: Dot Net

Domain : IEEE Transactions on Cryptography

ID07 2004	A security enhanced one-time payment scheme for credit card	The goal is to implement one-time transaction numbers to enhance the security in credit card payment. We use a hash function in generation of one-time credit card numbers: the next one-time number is computed by hashing the current one-time number with a secret that is known only by card holder and issuer.
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ID18 2008	Cryptanalysis and Improvement of a Remote User Authentication Scheme using Smart Cards	The user authentication mechanism is an important part of the network security to protect unauthorized access. Based on cryptographic techniques, several schemes have been proposed for ID-based authentication schemes with smart cards. In this paper, we propose dynamic ID-based and ID-based remote user authentication schemes using smart cards those can eliminate the flaws those are found in previous scheme.
ID23 2006	Expenditure Limits in Anonymous Credit Card Systems	The goal of this project is to minimize risks caused by dishonest transactions, using a mechanism to detect every dishonest transaction record at its occurrence time, and to limit total expenditures of individual cardholders while maintaining anonymity of their transactions.
ID29 2008	Mobile ad-hoc network key management with certificate-less cryptography	The goal of this project is implement an idea of adopting certificate-less public key encryption (CL-PKE) schemes over mobile ad hoc network (MANET). There exists two main approaches, namely the public key cryptography and identity-based (ID-based) cryptography.
ID30 2008	Protection and Recovery of Disk Encryption Key Using Smart Cards	The goal of this project is to implement a scheme that can limit key recovery when the user's smart card is lost and can do so without the administrator knowing the key. The smart card is used for generating the key and for improving the user authentication.
ID33 2008	Security Design for Multi-service Smart Card Systems	This project proposes a secure multi-service system model which allows users to access different services with a single password. The privacy and service confidentiality are achieved through a set of protections-password protection, user identity protection, and service transaction protection to guarantee the user's anonymity and ensure high unlinkability between different services.
ID34 2007	Server-less Search and Authentication Protocols for RFID	The goal is to design more flexible authentication protocol that provides comparable protection without the need for a central database. We also suggest a protocol for secure search for RFID tags. We believe that as RFID applications become widespread, the ability to search for RFID tags will be increasingly useful