



# AADHITYAA INFOMEDIA SOLUTIONS

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## IEEE PROJECTS IN DOTNET : 2014 - 15

### DN 10001. Big Data - SP: ANALYSIS OF BANKING UNSTRUCTURED DATA WITH DATA MINING TECHNIQUE & BIG DATA IMPLEMENTATION OF HADOOP TECHNOLOGY

#### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM**, Data Mining Technique is implementable, but Big Data Concept is Emerging. Data Mining can process only Structured Data only. In the **PROPOSED SYSTEM**, Big Data Approach is spoken all over the Paper. They consists of Three Tier Architecture, 1. Big Data implementation in Multi System Approach, 2. Application Deployment - Banking / Insurance., 3. Extraction of Useful information from Unstructured Data. In the **MODIFICATION** Part of the Project, we implement this Project for Banking Domain. Every User's online Transaction, Deposit & Bill Payment system. Transaction & Deposit Details are extracted using Data Mining Technique, Bill Payment System is considered for Big Data Process. Mobile payment & DTH Payment are considered as unstructured Data. The useful information which is extracted is Type of Mobile & DTH Network are Analyzed.

**ALGORITHM / METHODOLOGY:** HADOOP Technique

**DOMAIN:** Big data, Data Mining

**IEEE REFERENCE:** IEEE Transactions on Knowledge and Data Engineering, 2014.

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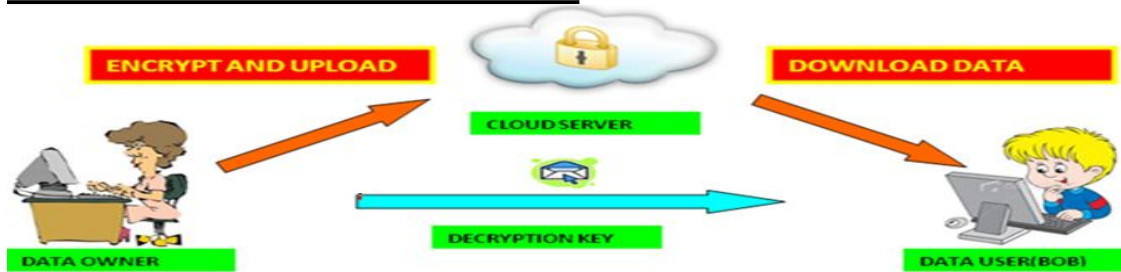
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**DN 10002. Image Key : IMPLEMENTATION OF KEY-  
AGGREGATE CRYPTO WITH STEGNOGRAPHY FOR SECURED  
DATA SHARING IN CLOUD COMPUTING**

**ARCHITECTURE DIAGRAM**



**DESCRIPTION :** In the **EXISTING SYSTEM**, Although Cloud Computing is vast developing technology, the challenging problem is how to effectively share encrypted data in cloud computing. In the **PROPOSED SYSTEM**, Data owner randomly generates public/master-secret key pair after account is created in the server. Data owner encrypts the data, public key and data index & then uploaded in the Cloud Server. Data owner Generates Aggregate Decryption Key (ADK) using its master-secret key, Data owner can share the data to other Users by sending it's ADK to those via Secured E mail. Original Data is downloaded only after Verification of ADK. **MODIFICATION** of the project is, user will encrypt the file, public key and index into an image called StegnoGRAPHY to cloud. User will be giving their User Name, PWD, user Public Key and send the request to the owner. If owner is interested to share then it will forward ADK, private key and key2 to the user. User is authenticated after verification so that the data is shared securely.

**ALGORITHM / METHODOLOGY: AES, Key Aggregate Cryptosystem**

**DOMAIN: Cloud Computing, Image processing**

**IEEE REFERENCE: IEEE Transactions on Parallel & Distributed System, 2014**

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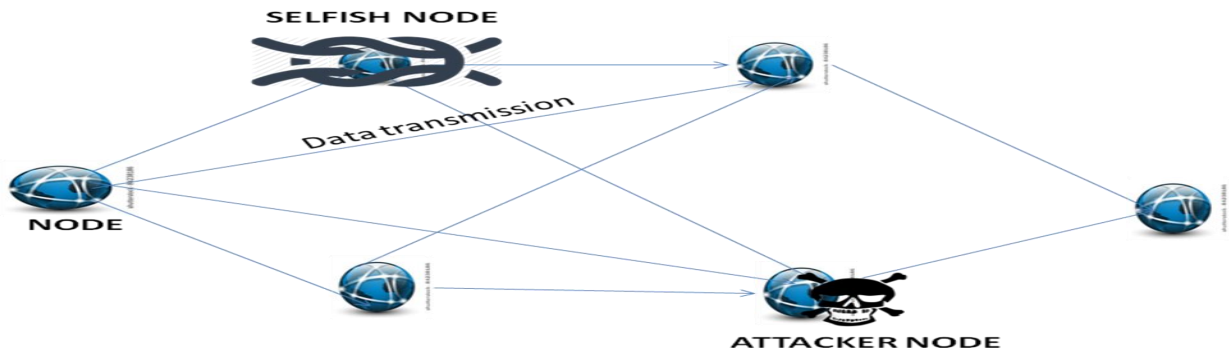
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## DN 10003. Third Eye : IDENTIFICATION, DETECTION & ELIMINATION OF SELFISH & MALICIOUS NODES WITH BUFFER LEVEL MONITORING FOR SECURED DATA COMMUNICATION IN DTN

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM** there is no energy level will be maintained in the network also there is a packet loss between the network when the node try to transfer the data. In the **PROPOSED SYSTEM** we are Detecting Selfish & Malicious Nodes so that an Alternative Best Route is chosen. Selfish Nodes are Harmless but it will Transmit / Receive Data from their Friends List. Malicious Nodes will Drop / Redirect Packets once they are Attacked. In the **MODIFICATION** part of this Project, We are Monitoring Buffer Level of Every Node to Identify Packets Loss is due to Incapability of the node or they are Malicious. Incapability is considered as Normal. Packets are Encrypted using RC4 Algorithm.

**ALGORITHM / METHODOLOGY:** Selfish, Malicious Behavior & Buffer Level Tracking.

**DOMAIN:** Networking, Security

**IEEE REFERENCE:** IEEE TRANSACTIONS on Parallel and Distributed System, 2014

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## DN 10004. User Track : ROLE BASED JOINT THRESHOLD KEY GENERATION WITH BLUETOOTH ID VERIFICATION FOR DATA SECURITY

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, Relational database which has lot of Administrators to Control Every Tables. Admin is authorized to control their own Corresponding Tables only. If the admin password is hacked, then Data Changes and Updating can be Proceeded by the Hacker himself. There is no security factor. So **PROPOSED MODEL** Provides the Hardware Based Privacy which deals with the Permitted Privileges of Every Admin and Joint Threshold Integration Model [JTIM] which aims at getting their Part of Session Key as Approval if one Admin is Updating the Data. Also it will check for the system no. The Session key Provided by all the Admins are integrated and Compared with the Original Session Key, only if the Key is matched Data is Modified. **MODIFICATION** of the Project is Bluetooth Hardware ID is used for user authentication. Server verifies user name, PWD Generated concordinated Bit key and Bluetooth ID used for authentication, only then the data is updated. Session Key is Sent as E mail.

### ALGORITHM / METHODOLOGY: E Mail Service, JTIM

**DOMAIN: Data mining**

**IEEE REFERENCE: IEEE TRANSACTIONS** on Knowledge and Data Engineering, 2014

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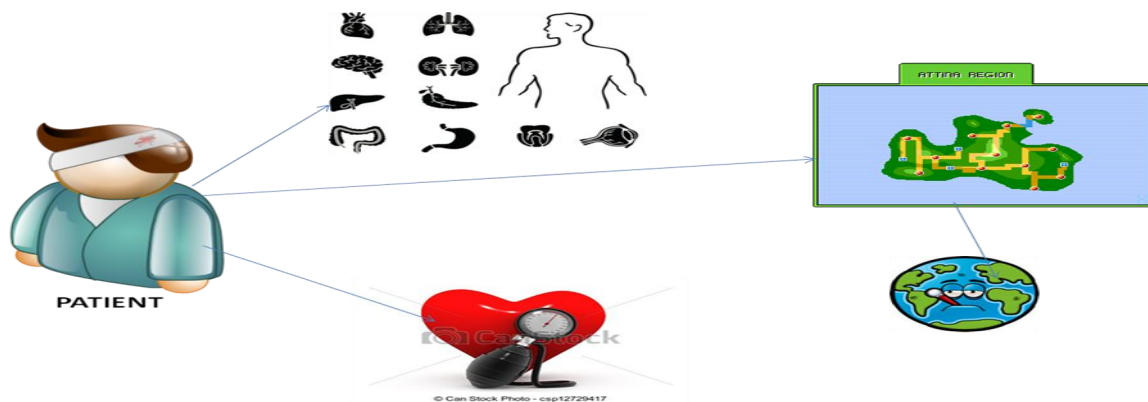
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## DN 10005. Best Doctor : BIG DATA IMPLEMENTATION OF MACHINE LEARNING CONCEPT OF DISEASE & MEDICINE DISCOVERY WITH EVIDENCE GATHERING - SYSTEM AS A DOCTOR

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM**, normal Data Mining based Disease Learning Analysis are very much available from a Structured Data. There is no Evidence Based Medicine Analysis. Big Data Analysis is not Available yet. In the **PROPOSED SYSTEM**, Evidence Based Medicine Analysis is achieved using Big Data Technique. This Process is Achieved by 1. Analysis of Patient Health Condition, 2. Formulating Questions, 3. Evidence Gathering & Analysis, 4. Resultant Output. In the **MODIFICATION**, an Automatic Machine Technique is used for Disease Discovery and it's Appropriate Evidence based Medicine Analysis is achieved. Until Disease is not yet Diagnosis Evidence based Medicine Analysis is of no use.

**ALGORITHM / METHODOLOGY:** Big Data, Machine Learning, Hadoop

**DOMAIN:** Big data, Data Mining

**IEEE REFERENCE:** IEEE Paper on HICSS, 2014.

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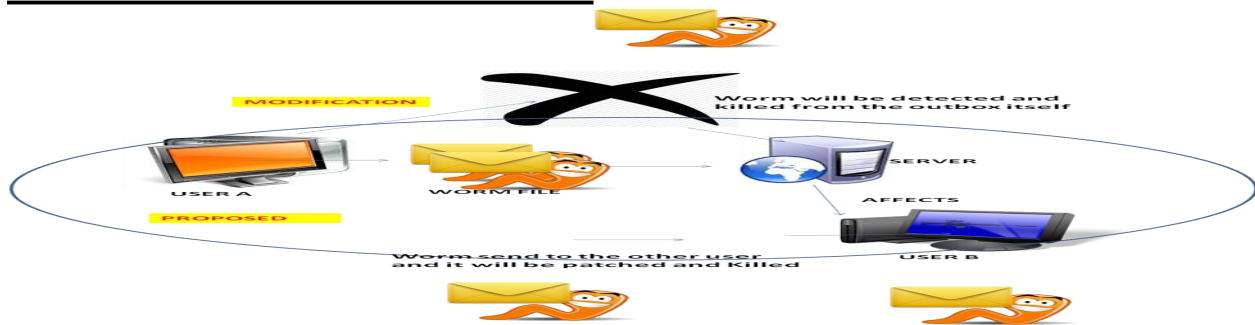
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## DN 10006. Worm Destroy: INTEGRATED IMPLEMENTATION OF MODELING, PROPAGATION AND DETECTION OF WORMS IN OUTBOX OF ATTACKER

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, E mail Malware Poses Critical Threats. These malwares could cause the Computer to be Compromised. In the **PROPOSED SYSTEM**, Malware / Virus is Modeled and Propagated into other Computers to compromise those. Once one Node is Infected it becomes Compromised. It starts sending Mail of Virus file to rest of it's Neighbour Nodes to which it is attached. User is Infectious at it's Active State. If all three nodes are Infected and which are connected to a Single node in its Tree, then all 3 will affect that Single Node. After Analysis of the Behavior of the Virus Patches are Distributed to Kill the Virus. In the **MODIFICATION** part of the Project, is to filter a Virus Data from the Sender End itself. We Implement both Proposed & Modification System, where by Virus Data is Analyzed with Pre Stored Behaviour and Filtered in the Sender End itself on order to Prevent Virus Penetration.

**ALGORITHM / METHODOLOGY:** Worm Propagation and Detection

**DOMAIN:** Network security

**IEEE REFERENCE:** IEEE Transaction on Dependable and secure computing, 2014

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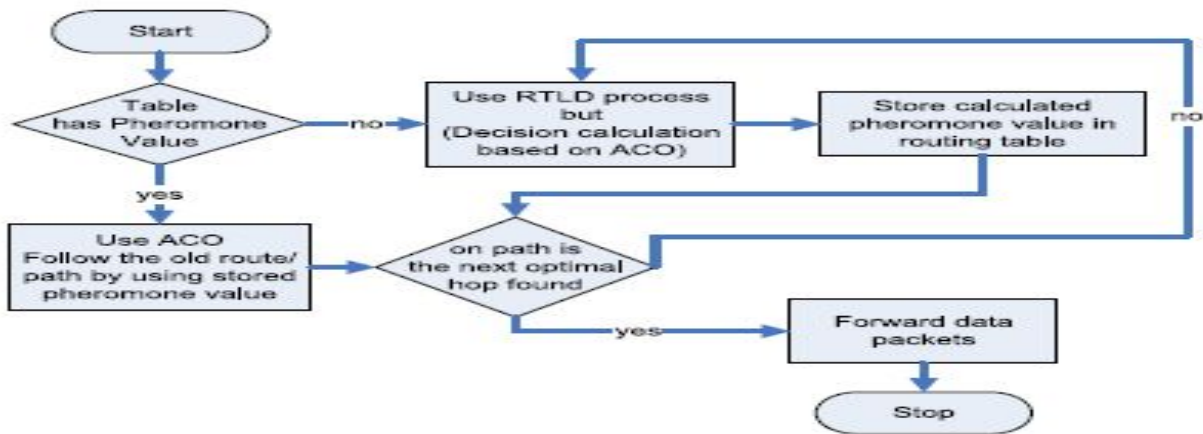
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**DN 10007. Ant Follow : IMPLEMENTATION OF BIO INSPIRED  
ALGORITHM IN IDENTIFICATION OF BEST ROUTE VIA ANT  
COLONY OPTIMIZATION, ENERGY LEVEL & THROUGHPUT  
WITH ENCRYPTION**

**ARCHITECTURE DIAGRAM:**



**DESCRIPTION:** In the **EXISTING SYSTEM**, As we are aware that WSN has very minimum life time for Data Transmission. Packets drop is usually Expected. In the **PROPOSED SYSTEM**, Ant Colony Optimization is preferred idle based on Pheromone Value in the network or SRTLD is used when Pheromone Substance is not Present based on Power, Location, Routing & Security. In the **MODIFICATION** part of the Project, we also consider Node's Throughput, Cost apart from Energy Level. We Encrypt the Packets during Transmission for Secured Communication.

**ALGORITHM :** ACO, SRTLD, Energy Level, Throughput, RC4,

**DOMAIN:** Networking

**IEEE REFERENCE:** IEEE Journal on Sensors, 2014.

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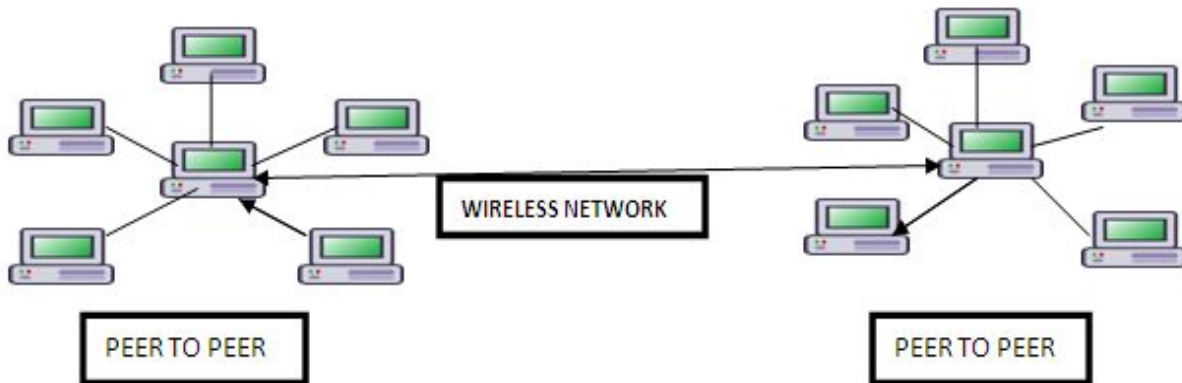
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## DN 10008. Find Me Easily : RATELESS CODE BASED DATA DISCOVERY IN P2P NETWORK WITH ERASURE CODE ARCHITECTURE DIAGRAM



**DESCRIPTION:** In the **EXISTING SYSTEM**, query resolution for locating resources and update information on their own resource status in these systems can be abstracted as the problem of allowing one peer. Communication overhead is high. In the **PROPOSED SYSTEM**, We are Identifying Interface Peer (IP), a node which has number of connections, in a wireless network. IP will collect all the resources in the rest of nodes in that network. Packets exchanged among the nodes in network using random walk principle. It's also used to avoid or control traffic. All data's are encoded and decoded using Rateless Code. In the **MODIFICATION PROCESS**, we are using Erasure Code for encode and decode the original information. It will maximize the data persistence. It also reduces the time required to communicate the information.

**ALGORITHM / METHODOLOGY:** Rateless Codes

**DOMAIN:** Networking

**IEEE REFERENCE:** IEEE Transaction on Parallel and Distributed System, 2014

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## DN 10009. Role Search : PRIVACY ENSURED, SCANNING WITH SVM, ROLE BASED HIDING SENSITIVE DATA WITH COLLOBORATIVE TAGGING

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM** there is no websites are posted using the collaborative tagging. Therefore it is very difficult search for web results. In the **PROPOSED MODEL** the Organizational Authority updates their Company Portal with the Public sharing Data along with the Sensitive Data. The Query is processed based on the User Profile Analysis or Role based Authority. Sensitive Data are not shared among the Public and same can be shared with Permitted Authorities. We are using Collaborative tagging for the Query Analysis Model for easiest Data Retrieval. The **MODIFICATION** of this project is to implement as search engine as well as portal management by authorities. web user will search a keyword with location, feedback and cost to retrieve the results. Users can also give their feedbacks. we use SVM for extraction of results. Department Head Role is to update their part of portal and retrieve only corresponding data. Admin role is to approve the updation & keep the Sensitive Information.

### ALGORITHM / METHODOLOGY: Collaborative Tagging, SVM

### DOMAIN: Data mining

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

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## DN 10010. Records Safe : CLOUD BASED SECURED HEALTH RECORDS STORAGE & RETRIEVAL SYSTEM WITH KEYWORD BASED KEY GENERATION & ABE

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, Medical Records lose Security once it reaches Cyberspace. Sensitive information are Exposed to the Public. In the **PROPOSED SYSTEM**, Public & Private Cloud is Deployed. Files are Encrypted and stored in the Private Cloud. Key words are Extracted, Encrypted and stored in the Public Cloud. Sensitive information like User Name, Phone Numbers, Email ID & etc are removed. Data Access is Performed using Attribute Based Encryption (ABE) Algorithm. In the **MODIFICATION** part of the Project, User Files are automatically Placed in the Public & Private Cloud based on the Sensitiveness of the Data. Normal Files are placed in the Public Cloud, Secured Data in Private Cloud. Multiple Servers are Deployed for fast Data Retrieval.

**ALGORITHM / METHODOLOGY:** Keyword Key Generation, Stemming, ABE

**DOMAIN:** Cloud Computing, Data Mining

**IEEE REFERENCE:** IEEE Journal on Biomedical & Health Informatics, 2014.

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## DN 10011. Wireless Charger Hunt : VEHICLE THEFT IDENTIFICATION RFID BASED VEHICLE ID DETECTION IN A WIRELESS CHARGING APPLICATIONS

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM** there is no proper payment system for the electric chargeable vehicles. Also there is no very effective system to track the stolen vehicles; still police job is finding the lost vehicle is very difficult. In the **PROPOSED SYSTEM** the electric chargeable vehicle will be monitored by the server if the vehicle will be stolen. The owner will give the request to the server when the stolen vehicle get charged it will send request to the police station and send alert to the vehicle owner. **MODIFICATION** of the Project is Stolen Request is given via wEBd Application or through System to the Server. We also include Wireless Power Transmission (WPT) in this Project to charge the Vehicle. We use RFID for Vehicle Number Authentication.

**ALGORITHM / METHODOLOGY:** Wireless Power Transmission (WPT)

**DOMAIN:** Mobile Computing, Embedded

**IEEE REFERENCE:** IEEE TRANSACTIONS on Vehicular Technology, 2014

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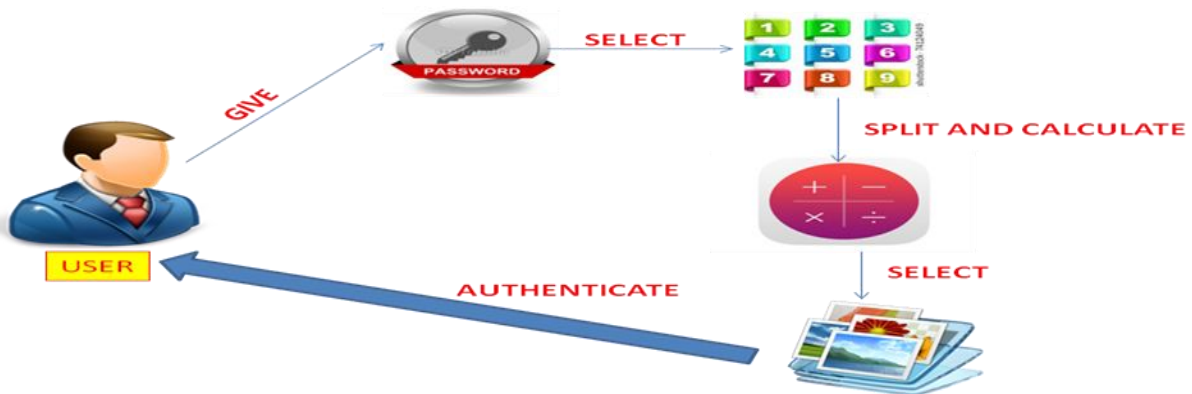
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**DN 10012. Guess the password : GRAPHICAL PASSWORD  
BASED PATTERN RECOGNISATION SYSTEM**

**ARCHITECTURE DIAGRAM:**







**DESCRIPTION:** In the **EXISTING SYSTEM**, we are only using textual password. These textual passwords are easily hacked by the attackers using Guessing attacks and Shoulder Surfing attacks. In the **PROPOSED SYSTEM**, User name is assigned with the corresponding Alphabetic Characters with Numbers, eg “ABCD” is considered as “1234”. When all the numbers are added it equals to “10”. Finally  $1+0 = 1$  this is corresponding to the Alphabet “A”. User Chooses Two Images in A Section and server provides another Two Sets to the User. User is authenticated with these Images.

**ALGORITHM / METHODOLOGY:** Pixel Calculation

**DOMAIN:** Security

**IEEE REFERENCE:** IEEE Paper on ICESC, 2014

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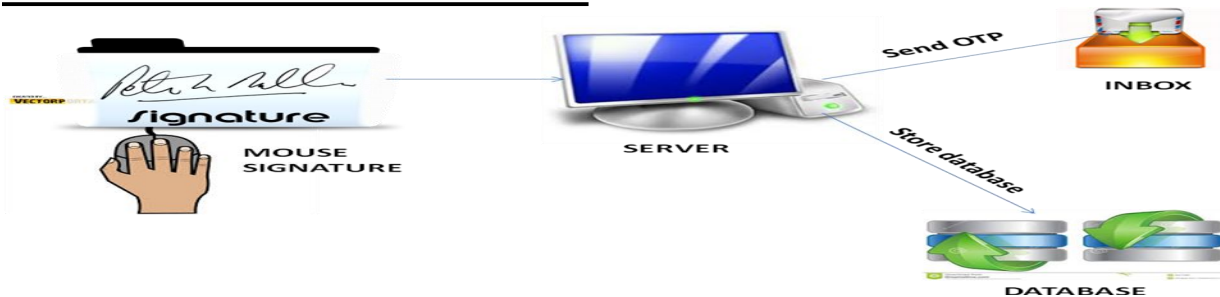
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## DN 10013. Sign Check : USER BIOMETRIC AUTHENTICATION USING MOUSE BASED SIGNATURE VERIFICATION WITH OTP GENERATION

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, Recently, several large-scale password leakages exposed users to an unprecedented risk of disclosure and abuse of their information. the inadequacy of password-based authentication mechanisms is becoming a major concern for the entire information society. In the **PROPOSED SYSTEM**, consist of three major modules: (1) Mouse–Behavior Capture, (2) Feature Construction, and (3) Training / Classification. The first module serves to create a mouse-operation task, and to capture and interpret mouse-behavior data. The second module is used to extract holistic and procedural features to characterize mouse behavior and to map the raw features into distance-based features by using various distance metrics. The third module, in the training phase, applies neural network on the distance-based feature vectors to compute the predominant feature components, and then builds the user’s profile using a one-class classifier. In the classification phase, it determines the user’s identity using the trained classifier in the distance-based feature using NN. In the **MODIFICATION** process, a 4 Digit OTP is generated to the user’s email ID. The user will be giving the „2“ digit OTP and the server will be giving balance „2“ digit OTP. Users „2“ digit OTP is verified by the server and vice versa.

**ALGORITHM / METHODOLOGY:** Secure Random Number Generation, One-Class Learning Algorithm

**DOMAIN:** Security

**IEEE REFERENCE:** IEEE Transactions on Industrial Informatics, 2014.

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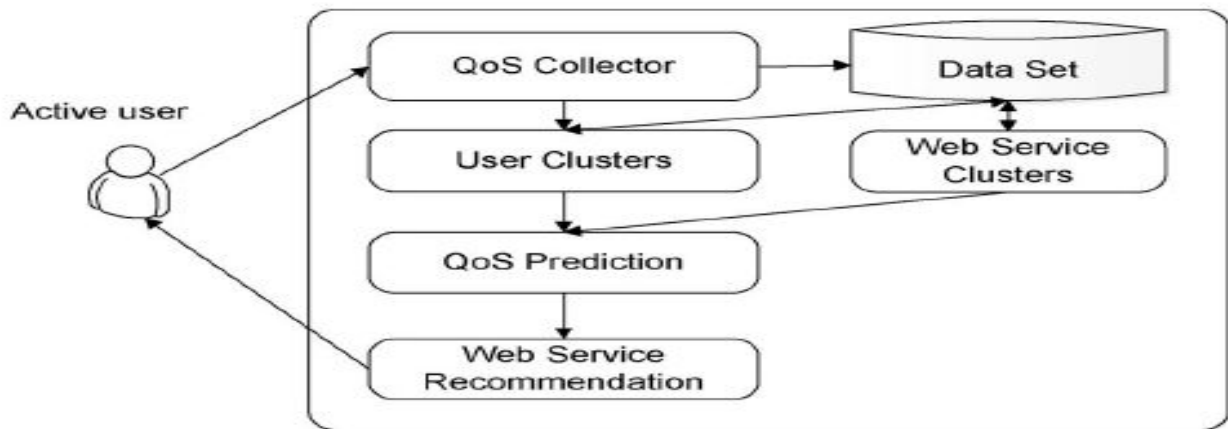
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## DN 10014. Judge Me : WEB SERVICE IMPLEMENTATION OF RECOMMENDATION SYSTEM WITH USER BEHAVIOR MONITORING FOR EFFECTIVE QOS

### ARCHITECTURE DIAGRAM



**DESCRIPTION :** In the **EXISTING SYSTEM**, Web Services have been Employed widely in the Network. It is difficult to judge the best Web Service System. In the **PROPOSED SYSTEM**, User Ranks the Best Web Service based on the User Location, Service Region, Personalized QOS Prediction & finally Server Recommendation. In the **MODIFICATION** Part of the Project we are Monitoring the user Behavior of Rating of Web Services. We will be monitoring User Rating and the Service Utility by the User. This ensures best Recommended Web Service.

**ALGORITHM / METHODOLOGY:** Recommendation Calibration, User Behavior Monitoring

**DOMAIN:** Web Service, Networking, Security

**IEEE REFERENCE:** IEEE Transactions on Parallel & Distributed Systems, 2014.

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## DN 10015. Neighbor Tree : IMPLEMENTATION OF AUTONOMOUS ROUTE DISCOVERY THROUGH SHORTEST ROUTING, ENERGY LEVEL, COST & INDEGREE

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, DLSR & DSDU Protocols are used which causes long delay in Packets Transmission. In the **PROPOSED SYSTEM**, Zigbee based Data Transmission is used. Zigbee Tree Routing (ZTR) is used. Paper specifies to implement Shortcut Tree Routing (STR) to implement. In the **MODIFICATION** part of the Project, We implement this Project in both Wired or Wireless Environment instead of Zigbee. We implement of STR along with calculating Energy Level and Cost of Energy Node. Based on Hop Calculation, Cost & Energy Level of every Node Best Route is identified & Packets are Transmitted. We also assign Coordinator Node to do these calculations based on Indegree Implementations.

**ALGORITHM / METHODOLOGY:** STR, Energy Monitoring, Cost, Indegree

**DOMAIN:** Networking

**IEEE REFERENCE:** IEEE Transactions on Parallel & Distributed Systems, 2014.

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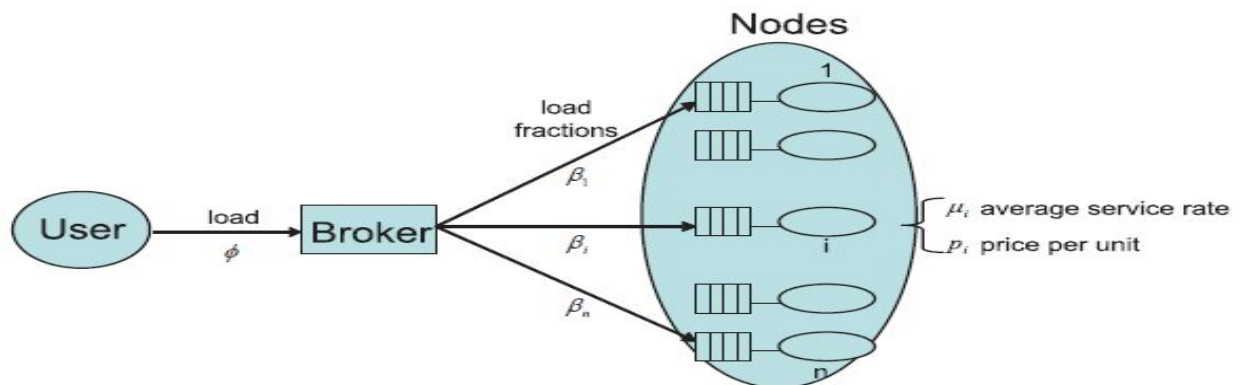
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**DN 10016. Grid Compute : IMPLEMENTATION OF OPTIMISED  
COST, LOAD & SERVICE MONITORING FOR GRID  
COMPUTING  
ARCHITECTURE DIAGRAM**



**DESCRIPTION :** In the **EXISTING SYSTEM**, Managing Resources and Pricing them is a Challenging Task. There is no Win - Win Situation between resource Providers and Users. In the **PROPOSED SYSTEM**, Broker plays a Vital role between users and Resource Providers. User will the Data and then Processed by the Broker. service Providers will specify their Cost & Efficiency to Perform the Job. The main Objective is to identify the Optimum Cost and efficiency o the Grid Resource Providers. In the **MODIFICATION** part of the Project, Service Providers are Deployed with Multiple Jobs. Based on the Job requested by the User, Broker will first find list of Resource Providers who can process the Work. Then work is splitted and allotted based on the Optimum Cost and the Performance.

**ALGORITHM / METHODOLOGY:** Optimized Price Calculation, Load Balancing

**DOMAIN:** Grid Computing, Networking

**IEEE REFERENCE:** IEEE TRANSACTIONS on Computers, 2014.

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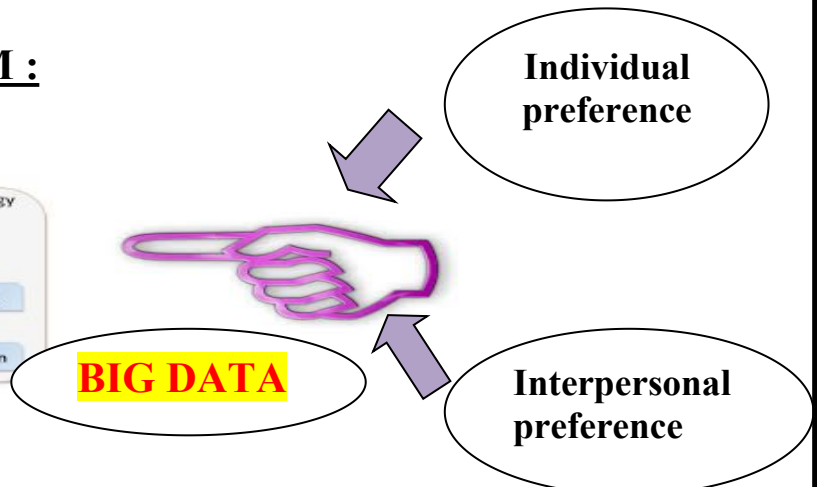
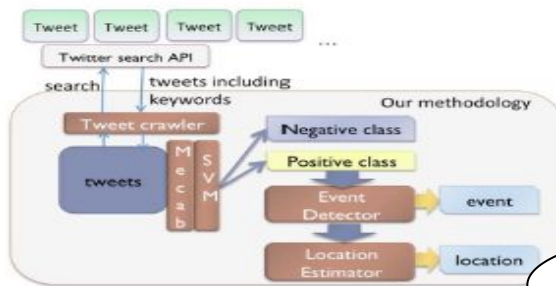
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## DN 10017. Big Data Tweet Alert : AUTOMATIC EXTRACTION OF SOCIAL INTERFERENCE SYSTEM USING BIG DATA ANALYSIS WITH EMERGENCY ALERT

### ARCHITECTURE DIAGRAM :



**DESCRIPTION:** In the **EXISTING SYSTEM**, there is no proper alert system was implemented to report about the earthquake, so there is no way to take immediate rescue process to save the people. In the **PROPOSED MODEL**, when the user receives a tweets posted by his/her friends it will be analyzed based on the two factors one is individual preference and the other is interpersonal preference. This knowledge can be learnt from social information and user-user interaction. In the **MODIFICATION** process, Big Data is used for Data Extraction. An emergency alert is send as SMS and E-mail alert for the registered tweet users as well as to the Nearest Rescue Team.

**ALGORITHM / METHODOLOGY:** Big Data, Influence Matrix and Latent Matrix

**DOMAIN:** Data mining, Big Data

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

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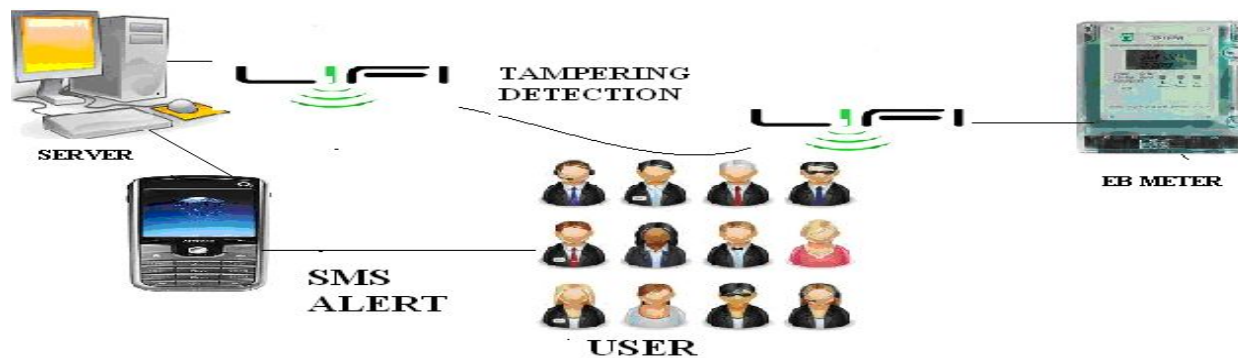
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## DN 10018. Lifi EB Check : INTEGRATION OF REMOTE EB MONITORING, TAMPERING WITH AUTO PAYMENT SYSTEM

### ARCHITECTURE DIAGRAM



**DESCRIPTION:** In the **EXISTING SYSTEM**, Traditional electro-mechanical meters, still Widely used today, are prone to drift over temperature and time. EB Person has to come home and take the Meter Readings manually. In the **PROPOSED SYSTEM**, GSM network is used to detect the EB Meter Readings and Automatic SMS Alert is send to the Customer. In the **MODIFICATION** Part, We implement Lifi Technology instead of GSM as it is cheaper and will be useful even Not Reachable Tower Accessibility Areas also. One Zigbee is connected to the EB Server and another is connected to the Home EB Meter. EB Meter Readings are obtained using Lifi Network as well we are detecting Neutral Tampering

**ALGORITHM / METHODOLOGY:** LiFi, SMS Service

**DOMAIN:** Embedded, Security

**IEEE REFERENCE:** IEEE Paper on SCEECS, 2014

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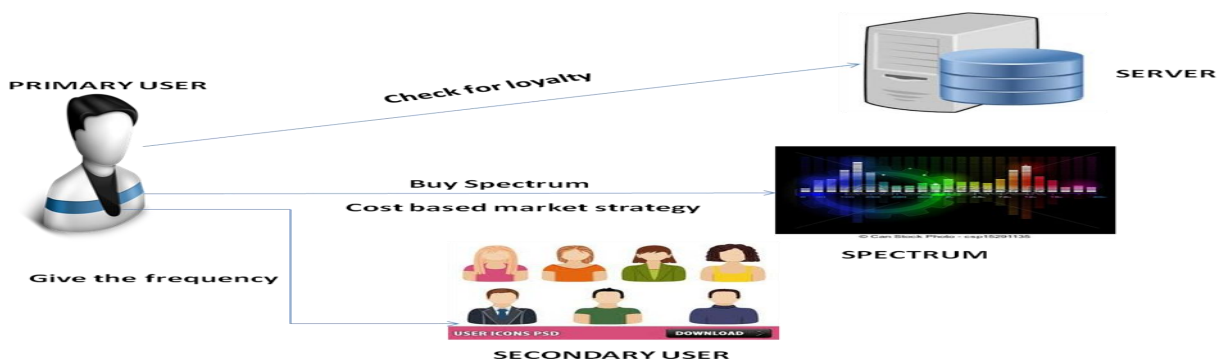
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## DN 10019. High Repu - Find Me : IDENTIFICATION & RECOMMENDATION OF BEST & HIGH REPUTED USERS WITH INCENTIVES IN SPECTRUM RESOURCE ALLOCATION ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, Secondary Users share the Spectrum Resources from the Primary Users who are called Licensed Users. Secondary Users Purchase the Resources from the Primary Users rather from Servers as it is a Costly Affair. But Reputation & Cost is the major Factor in this. In the **PROPOSED SYSTEM**, we Deploy a reputation Model and "Market Indicative Price" is Analyzed. Reputations of the Primary Users are Provided by other Users, based on the Reputation value & Cost Fixation, Secondary Users will Select the Best Primary Users for Resource Lending. Apart from this Incentives are Provided for the Users for their Feedback & input Reputation Value of Primary Users. In the **MODIFICATION**, Incentives are Provided for the High Reputation Valued Primary Users, so that they can sell their Resources at High Cost to the Primary Users when compared to other Normal Users.

**ALGORITHM / METHODOLOGY:** Spectrum Allocation, Reputation Analysis

**DOMAIN:** Mobile Computing

**IEEE REFERENCE:** IEEE Paper TRANSACTIONS on Mobile computing, 2014\_

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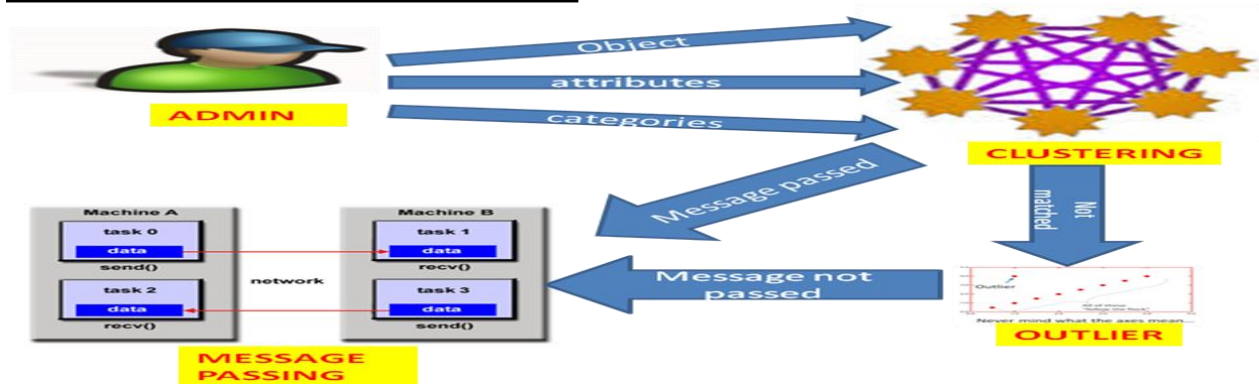
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## DN 10020. Auto Disease Detection : MACHINE LEARNING APPROACH IN DISEASE DIAGNOSIS IN CLOUD WITH ANALYSIS OF DISEASE TYPE, SYMPTOM, & TESTS

### ARCHITECTURE DIAGRAM




**DESCRIPTION:** In the **EXISTING SYSTEM** there is no clustering techniques were followed in message passing. In the **PROPOSED MODEL** based on the affinity propagation the newly arrived objects were clustered. In this each data sets were categorized into three major Varieties namely Categories (Product Name), Objects (Variety – Eg. Manufacturers), Attributes (Sub Category – Eg Model Number) &. Based on these three clustering was formed if an dataset is not fit into these three category it will be considered as outlier and the data will not pass to the user. In the **MODIFICATION** part, rather than mere purchase model we implement for disease diagnosis process. We use veka tool & machine learning technique in this project. We consider disease name, symptoms & biomedical analysis for automatic disease diagnosis process.

**ALGORITHM / METHODOLOGY:** Affinity Propagation Clustering, Machine Learning

**DOMAIN:** Data Mining, Cloud Computing

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014\_

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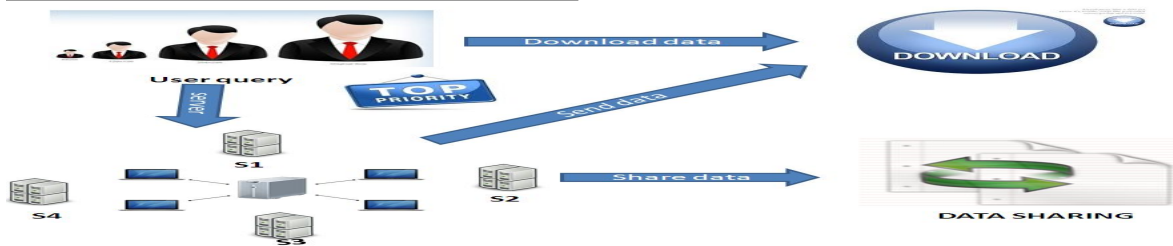
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## DN 10021. Load Share : PROFILE BASED CONCORRENT DATA DOWNLOAD - CLOUD, DATA SHARING & LOAD BALANCING

### ARCHITECTURE DIAGRAM



**DESCRIPTION:** In the **EXISTING SYSTEM** each processing node will partition a data set independently. There is no data sharing between the user either at load-time while pre-processing the data. In the **PROPOSED SYSTEM**, we are developing Two Techniques namely Data Download & Data Sharing. In Data Download Model, Priority based Retrieval is achieved based on the Query. The requested data is downloaded from different Servers as the Data are partitioned. In Data sharing, the data are divided into different chunks and stored as threads in the partition matrix. From the partition matrix the data will be retrieved for the read/write purpose without overlapping. The **MODIFICATION** part of the project is to implement Real Time Cloud (Drop Box) along with load balancing & Automatic and Continuous Data retrieval. Data sharing and download achieved as said in proposed system, except data is encrypted using AES. Data is partitioned in different sub cloud servers. 'DO' shares the 'P1' of Data to Cloud automatically. Data is shared to high priority user and remaining data is shared automatically from Main Cloud Server even before stored in SCS. We also detect best intermediate servers for data download.

**ALGORITHM / METHODOLOGY:** Multithreaded query processing, AES, LBS

**DOMAIN:** Networking, Data mining, Cloud Computing

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014\_

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## DN 10022. Eco Tour : MACHINE LEARNING APPROACH FOR AUTOMATIC SEASONAL TOUR PACKAGE WITH WEB SERVICES IMPLEMENTATION OF BOARDINGS VIA TRAVEL

### ARCHITECTURE DIAGRAM:







**DESCRIPTION:** In the **EXISTING SYSTEM** there is no proper recommendation system for travel package. In the **PROPOSED SYSTEM**, “Tourist–Area– Season Topic Model” **TAST** is used as Machine Learning Technique to Automatically identify the Recommended Seasonal Holiday Spot. It also calculates the Cost incurred by selecting User Preferred Movies, Travel Cost and the Depreciation Cost. In the **MODIFICATION** part, user can **choose** Mode of Travel either by Flight or by Train (AC or Normal) based on the user’s selection of Travel, Boardings or Hotels will be recommended by the Server Automatically. We are using Web Service for this Project.

**ALGORITHM / METHODOLOGY:** TAST MODEL

**DOMAIN:** Data Mining, Web Service

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

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**DN 10023. Virtual Key : IMPLEMENTATION OF RELAY BASED  
KEY GENERATION & VIRTUAL KEY FORMATION WITH XOR  
ARCHITECTURE DIAGRAM:**



**DESCRIPTION :** In the **EXISTING SYSTEM**, there is no need for the key generating terminals to obtain correlated observations in channel. In the **PROPOSED SYSTEM**, we build a Two Way Relay Channel Communication between the Nodes. For Example Bob & Alice can Communicate with Each other with Relay as the Intermediate Medium. Bob & Alice Share their Primary & Secondary Keys to the Relay. Both the Added together and made X-OR by Relay Node and Transmits the Corresponding Keys to both of them. This Key is used for Communication. In the **MODIFICATION**, Bob will obtain the Energy Level of Alice. So if Bob Sends the Data to Alice, Data is Encrypted & added with the Energy Value of Alice and again Encrypted using XOR Key obtained. Relay Receives the Data and Transmits to Alice. Alice has to give its Corresponding XOR Key to open the Encrypted Data. Then the Energy of the of Alice is verified, only then the Data is Opened.

**ALGORITHM / METHODOLOGY:** Key Generation, Virtual Energy\_

**DOMAIN:** Network Security

**IEEE REFERENCE:** IEEE Transactions on Information Forensics and Security, 2014.

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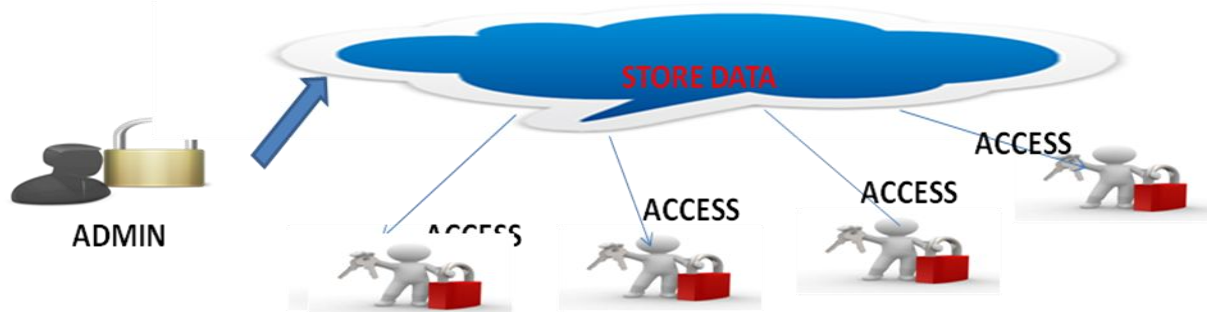
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## DN 10024. Group Monitoring Cloud: A FRAMEWORK FOR USER BEHAVIOUR MONITORING, FLEXIBLE GROUP KEY GENERATION WITH EMAIL IF MEMBER EXIT / ENTRY

### ARCHITECTURE DIAGRAM







**DESCRIPTION:** In the **EXISTING SYSTEM**, there is no Security in the Cloud is enforced. In the **PROPOSED SYSTEM**, Data Owner updates the information to the Remote Cloud Server for Data Access. Data owner appoints Members of Data Utility and Data updation. Members have to get permission for the Data updations from the Data Owner. Members will have their User Name, Key, Group Key for Access. Either If Existing member is removed from that Group, Group Key is automatically changed and updated to all the Members of that Group. The **MODIFICATION** is Group Key can be changed in case of New Member is added in that Group also. Member can Resign from the Group by themselves or Data Owner can Terminate the Member or can be Cloud Terminates the Member in case of Misbehavior ( DDOS Attack, Same Data Download). updated new key is sent to the corresponding users through Email.

**ALGORITHM / METHODOLOGY:** Diffie Helmen Key Generation, Email Service

**DOMAIN:** Cloud Computing & Security

**IEEE REFERENCE:** IEEE TRANSACTIONS on Services Computing, 2014

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## DN 10025. When To Purchase : INTELLIGENT SYSTEM OF FORECASTING OF PRODUCT PURCHASE BASED ON USER BEHAVIOR & PURCHASE STRATEGIES USING BIG DATA

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM**, we all know Data Gathering Techniques are increased and Unstructured Data are plenty in availability, which could not be Processed by Data Mining. In the **PROPOSED SYSTEM**, Big Data Concept is utilised for Utility Mining of Purchase by the Users. User's interests of purchase of particular Products are monitored and Frequency Item set is extracted. Each node scan its local database and generates the frequent item sets using A-Priori algorithm then its corresponding gain value is computed. Based on this gain value, the high utility item sets are mined according to the user specified threshold send it to master node In the **MODIFICATION** part of this Project, Using Big data Concept we are Analysing follow up Purchas of the set of Products from the Date of Purchase of first Product. Purchase of the set of Products from the date of purchase of first product. Ex User 1 would have purchased Computer, then 2 to 3 months later same user would purchase Printer. Wed can also measure Expected purchase of the set of products from the first purchase.

**ALGORITHM / METHODOLOGY:** Big Data, HADOOP, Utility Management

**DOMAIN:** Big data, Data Mining

**IEEE REFERENCE:** IEEE Paper on IACC, 2014.

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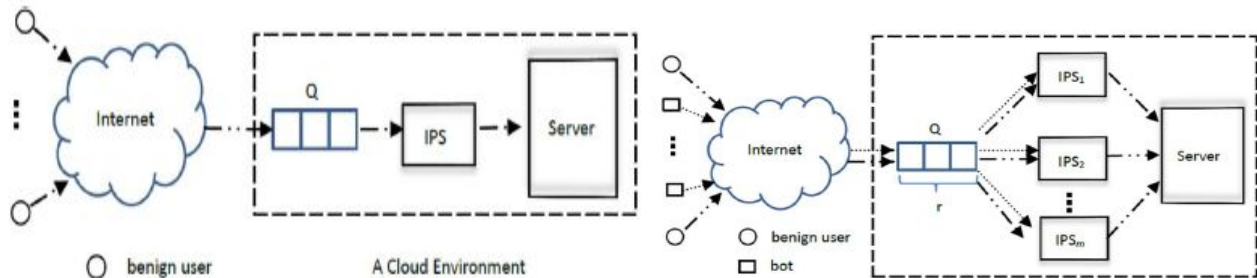
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## DN 10026. Round Up DDOS : IDENTIFICATION & AVOIDANCE OF DDOS ATTACK FOR SECURED DATA COMMUNICATION IN CLOUD

### ARCHITECTURE DIAGRAM:



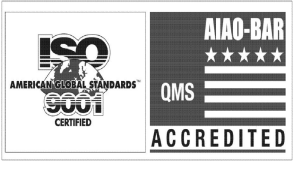


**DESCRIPTION :** In the **EXISTING SYSTEM**, DDOS Attack in a Client Server Environment would Collapse the Entire System, but as far as Cloud is concern it is not that Effective but still it will try to Disturb the Regular Activity of the System. In the **PROPOSED SYSTEM**, We Deploy Multiple Intrusion Prevention System (IPS) to Monitor the Activity of the Users and Filters the Request based on the behavior and forwards to the corresponding Servers through Cloud Server. Every Server would have allocated Certain Space in Cloud Server. IPS Monitors the Activity of the Users to Avoid DDOS Attacks. In the **MODIFICATION**, Few DDOS Attacks are Listed and Monitored. The Behaviour Patterns are 1. Continuous & same Request from Single User in a Point of Time, 2. Different Query from the Same User within a Period of Time, 3. Different Queries from Different Users but from Same IP, 4. Request of Huge Sized File beyond the Permitted. Based on these Patterns User Behaviour is Monitored DDOS Attack is Avoided in Cloud.

### ALGORITHM / METHODOLOGY: DDOS Attack Detection, IPS

### DOMAIN: Cloud Computing, Security

**IEEE REFERENCE:** IEEE Transactions on Parallel & Distributed System, 2014

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## DN 10027. Atm Guard : SMART ATM GUARD IMPLEMENTATION WITH NFC BASED OTP DETECTION WITH USER BEHAVIOUR MONITORING USING ZIFBEE

### ARCHITECTURE DIAGRAM:




**DESCRIPTION:** In the **EXISTING SYSTEM**, RFID based Entrance System is implemented. NFC is not included. In the **PROPOSED SYSTEM**, User is authenticated through NFC via Zigbee for opening the Door. In our **MODIFICATION**, same NFC & Zigbee is used to ATM Application. User's BFC Tag is transmitted to the ATM Machine via Zigbee Network. We also monitor Time taken in ATM Machine, Withdrawal of Money, and Sequence Pattern. If any of the above said Parameters are Varied, OTP is generated to the Users Mobile. Even is n the normal Transaction, OTP is Generated to write in the NFC Tag for Next Transaction.

**ALGORITHM / METHODOLOGY:** SMS Service, NFC

**DOMAIN:** Security, Embedded, Mobile Computing

**IEEE REFERENCE:** IEEE Paper on ICMTMA, 2014

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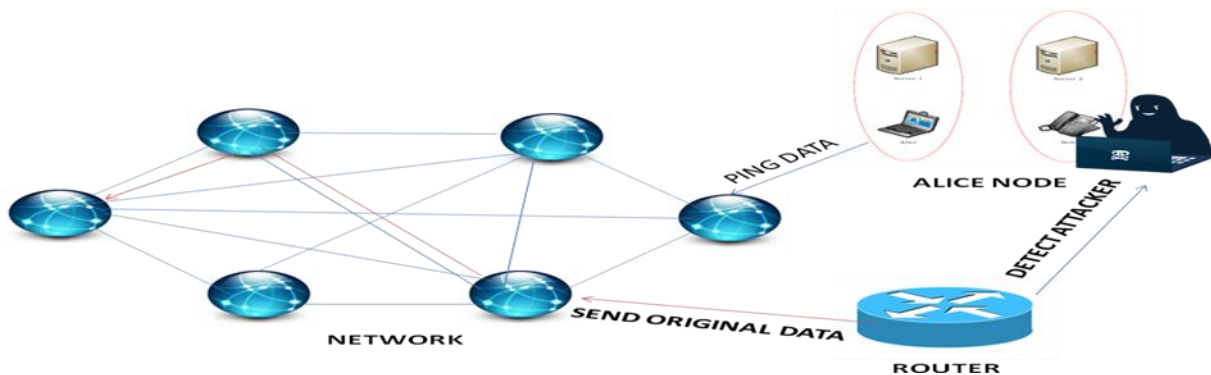
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## DN 10028. Self Test : ANALYSIS & MONITORING OF NETWORK NODE, ALICE NODE BEHAVIOR & BEST ROUTE IDENTIFICATION VIA SERVER DEPLOYMENT

### ARCHITECTURE DIAGRAM:




**DESCRIPTION :** In the **EXISTING SYSTEM** debugging the network is becoming very harder. There is a vast chance to lost the original packet. In the **PROPOSED SYSTEM** Alice node will examine the other node's behavior in the network and it will pass the sample packets to examine the node's Capacity in the Network. It will also identify the Best Route for Data Transfer. **MODIFICATION** of the Project is to Verify the Behavior of the Alice Node. Attacker would attack the Alice and can change it's Behavior. Every Node has to report it's Data Transmitting / Receiving History to both Alice & Server Node. Alice Node will also report it's Examination Details to Server. Server Verify all the Nodes and also Alice Node Behavior. Network is monitored by both Alice & Server Node.

### ALGORITHM / METHODOLOGY: Test Packet Generation

### DOMAIN: Networking, Security

### IEEE REFERENCE: IEEE TRANSACTIONS on Networking, 2014

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## DN 10029. Cloud Share: IMPLEMENTATION OF COLLABORATIVE RESOURCE SHARING AMONG CLOUD SERVICE PROVIDERS WITH SOCIAL CONTEXT

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, Cloud Computing application has become very Dominating and User Cloud utility Index has gone to the Maximum. As demand is increased single Cloud could not able to Server the Purpose. In the **PROPOSED SYSTEM**, We Implement Resource Sharing among the Cloud based on the Reputation Value of requested Cloud Server. Every Cloud Node Reports its available Resource to the Directory Node. Directory plays Vital role in Sharing the Resources among the Cloud. In the Modification part of the Project, We Implement Resource Sharing based on Reputation, Cost, Tender, volunteer.

**ALGORITHM / METHODOLOGY:** Reputation, Tender, Cost, volunteer

**DOMAIN:** Cloud Computing

**IEEE REFERENCE:** IEEE TRANSACTIONS on Parallel & Distributed Systems, 2014.

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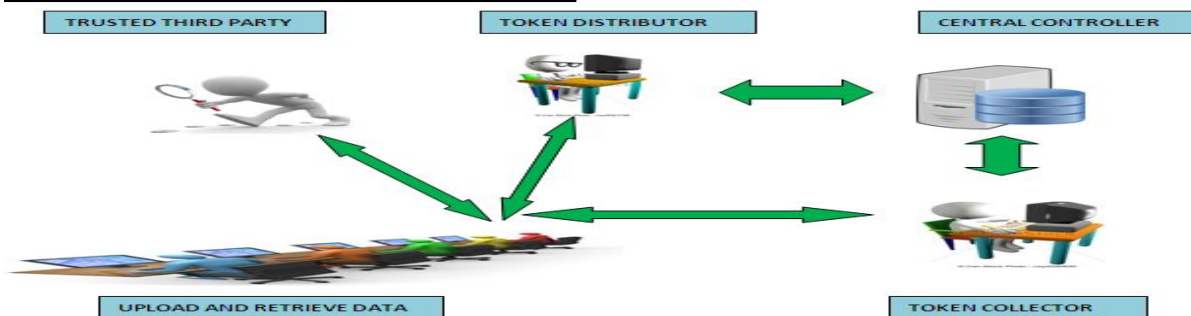
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## DN 10030. Use Me Quickly : SECURED COUPON GENERATION AND REDEMPTION WITH LOCATION AWARE FEEDBACK & REWARD SYSTEM

### ARCHITECTURE DIAGRAM



**DESCRIPTION:** In the **EXISTING SYSTEM**, Mobile Location-Based Services (MLBSs) have a lot of limitations and raise many concerns, especially about system security and user's location & identity privacy. In the **PROPOSED SYSTEM**, we develop a security and privacy aware location-based rewarding protocol for the LocaWard system. This protocol includes, Identity Initiation, Token Distribution and Token Redemption. In Identity initiation phase, Trusted Third Party (TTP) issues certificate in each Mobile User (MU) for authentication purpose. In Token distribution phase, Token Distributor (TD) will distribute location-based tokens based on MU request. TD also generates corresponding audit information and stores it in the Central Controller (CC) for future token verification. In Token redemption phase, Token Collector (TC) verifies the MU's token redemptions & reward the MU's with benefits. In the **MODIFICATION** part, coupon based product purchase user will give their feedback about the product using their transaction ID of purchase. This feedback is updated only to the corresponding location where purchase is made. OTP based authentication is also accessed for this feedback.

**ALGORITHM / METHODOLOGY:** Location Based Rewarding Protocol (LocaWard)

**DOMAIN:** Mobile Computing

**IEEE REFERENCE:** IEEE Transactions on Parallel and Distributed System

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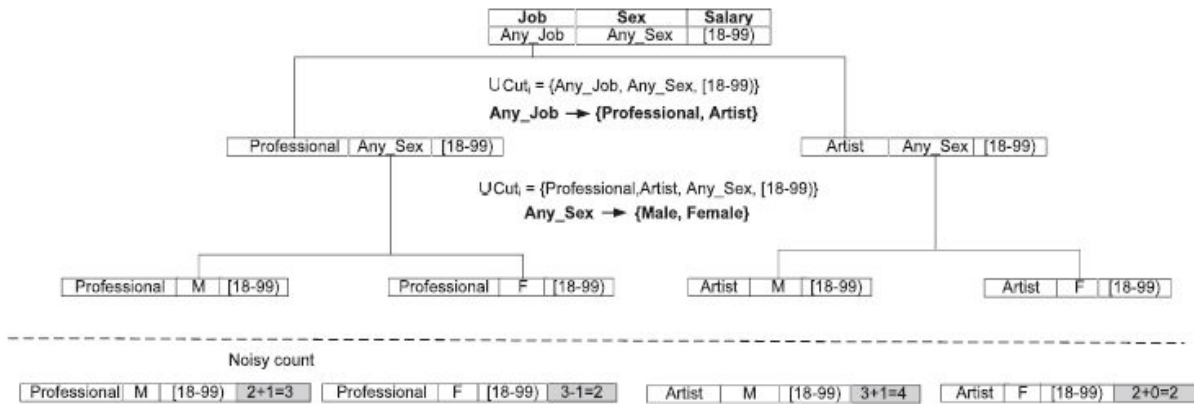
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## DN 10031. Combine me : SECURED MULTI PARTY DATA FUSION AND EXTRACTION PRIVATE DATA

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM** there is no differentiability in the private data each data will be processed and retrieved from the distinct data base only. In the **PROPOSED SYSTEM** the data will be processed from two distinct and different databases. Each data unique link between them using that link the data will be retrieved. In this we use algorithm for differentially private data release for vertically partitioned data between two parties in the semihonest adversary model. Also it use various protocol to retrieve the data. In the **MODIFICATION**, We will be Extracting New Data from the Merged Data. The Implementation is all about Company Employee who has got Loan. Employee ID plays as Primary Key and we can identify the List of Loan obtainers. Data is analyzed only by the Authorized Persons.

### ALGORITHM / METHODOLOGY: Two Party Authentication Algorithm

### DOMAIN: Data Mining

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014.

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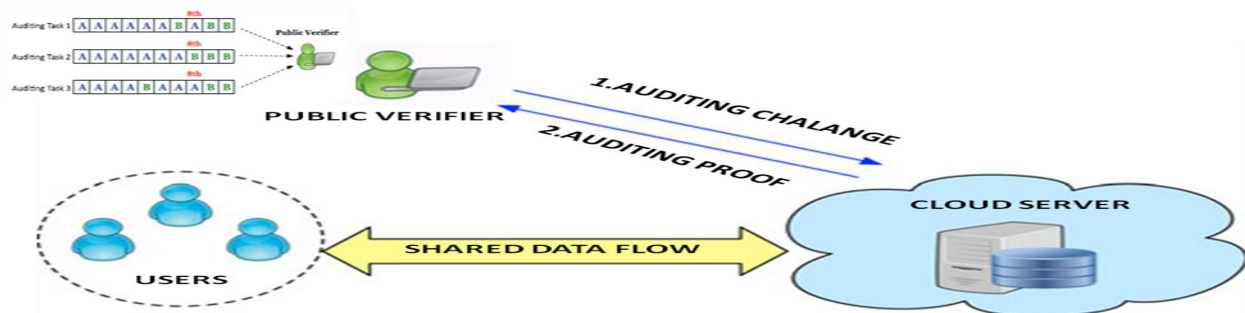
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## DN 10032. Cloud Data Alter : IMPLEMENTATION OF SECURED FILE ACCESS WITH PRIVACY PRESERVING AUDITING IN CLOUD COMPUTING

### ARCHITECTURE DIAGRAM:







**DESCRIPTION:** In the **EXISTING SYSTEM**, the correctness of the data in the cloud is being put at risk due to the following reasons. First of all, although the infrastructures under the cloud are much more powerful and reliable than personal computing devices, they are still facing the broad range of both internal and external threats for data integrity. In the **PROPOSED SYSTEM**, a secure cloud storage system supporting privacy-preserving public auditing. In which the data which is modified will be provided with a private key and stored in the separate block and it is verified by the public verifier. Whenever the user wants to verify the data using the public key the user can read the data. The TPA will audit the data files that are requested by the Data Owner. The TPA will also audit the multiple files also. In the **MODIFICATION** part of the project, Data Owner will declare list of users who are authorized to write the files & who can only view the Data. Key is Generated for the Corresponding Data Access. Authorized users can change the data which is updated in a separate Copy in replica Server, then it is updated once Owner Authenticates

### ALGORITHM / METHODOLOGY: Key Generation

### DOMAIN: Cloud computing

### IEEE REFERENCE: IEEE TRANSACTIONS on Cloud Computing,

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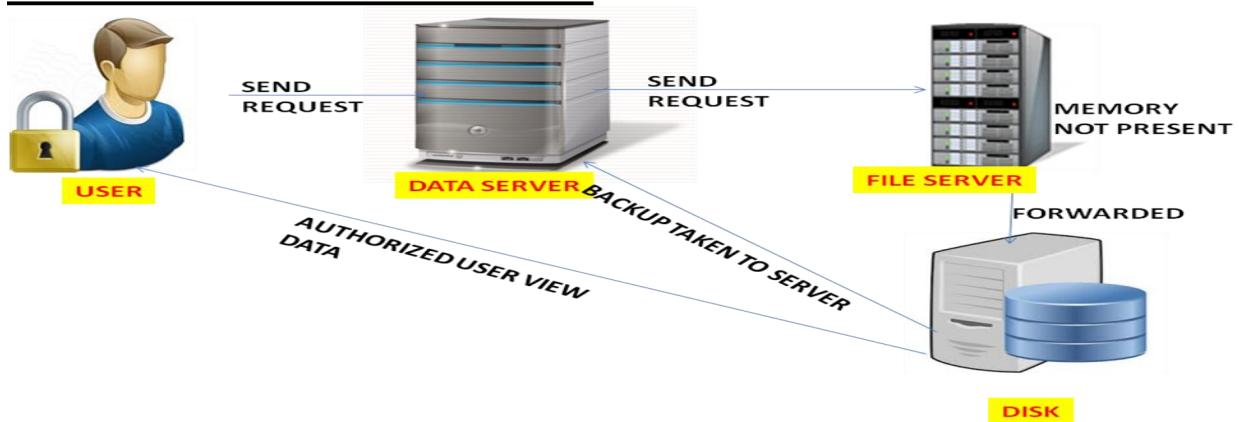
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## DN 10033. Store Me Quickly : DESIGN & DEPLOYMENT OF AUTOMATIC DATA BACKUP RECOVERY WITH SELECTED ACCESS CONTROL USING ABE

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, Data Backup & Restore Operations can be Resource - Intensive and lead to Performance Degradation, or may require the System to be offline Entirely. This will lead to Server Failure & Heavy Data Loss. In the **PROPOSED SYSTEM**, once User is Requested to the Data Server, it is Carried by Apache Server sends the request to File Server Memory, it is not Present then forwarded to Server Disk. Generator compares the File Name with Corresponding File Size & time of Last Modifications are compared then it is Updated in the Server as well as Backup is taken. In the **MODIFICATION**, We implement Attribute Based Encryption (ABE) for File Access. Only Authorized users can View the Files and Authorized Users can only image the Content of the File. Updated file has to get Approval for the change from the owner or Admin, only then t is updated.

**ALGORITHM / METHODOLOGY:** ABE, Auto Backup

**DOMAIN:** Data security, Networking

**IEEE REFERENCE:** IEEE TRANSACTIONS on Dependable and Secure computing, 2014.

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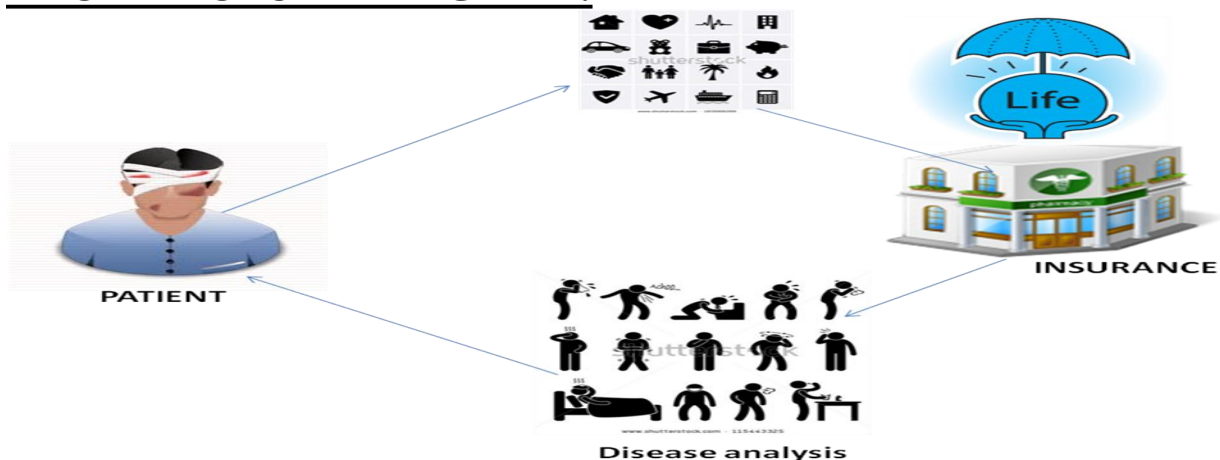
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## DN 10034. Insure Me : EFFECTIVE IMPLEMENTATION OF DATA SEGREGATION & EXTRACTION USING BIG DATA IN E - HEALTH INSURANCE AS A SERVICE

### ARCHITECTURE DIAGRAM:



**DESCRIPTION :** In the **EXISTING SYSTEM**, Big data is not implemented in as full way in real-time, it is still in a Research. People does not know what to do with Enormous Data. In the **PROPOSED SYSTEM**, Insurance Agencies are actively Participating for the Analysis of Patient's Data and used to Extraction some Useful Information. Analysis of Discharge Summary, Drug & Pharma, Diagnostics Details, Doctors Report, Medical History, Allergies & Insurance policies are made and Useful Data is Extracted. In the **MODIFICATION**, We are Analyzing more number of Factors like Disease Types with its Corresponding Reasons, Insurance policy Details with Sanctioned Amount, Family Grade wise Segregation.

**ALGORITHM / METHODOLOGY:** Big Data, HADOOP Technique

**DOMAIN:** Big data, Data Mining

**IEEE REFERENCE:** IEEE Paper on ICNC, 2014.

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## DN 10035. Choose Me : IDENTIFICATION & DETECTION OF BEST DOCUMENTS CONSIDERING UNLABELLED LISTINGS

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM**. The unlabeled data will be stored in the spam when the user search for any results. In the **PROPOSED MODEL**, we are developing an automated system for both labeled and Un-labeled Documents based on the Active learning. We apply stemming algorithm to remove the stop words, so that Keywords Are Extracted. Based on the Scoring Algorithm, the documents are principally categorized by processing the subsets of data in the datasets. As Per the Users request, the corresponding document is transferred to the User. In the **MODIFICATION PHASE** we also rank the best relevant documents based on Top K query for effective and efficient data retrieval system.

**ALGORITHM / METHODOLOGY:** Stemming and Scoring algorithm.

**DOMAIN:** Data Mining

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

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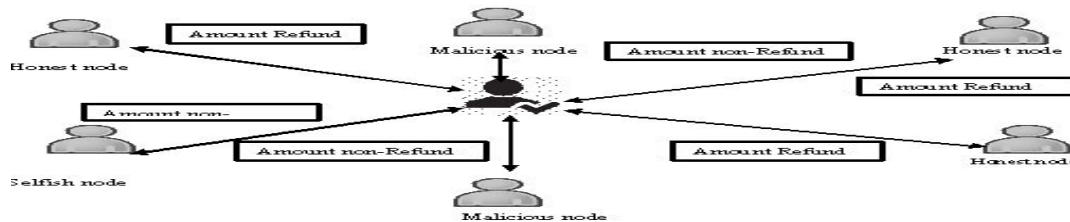
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## DN 10036. Node Test : DETECTION OF NODE TRUSTWORTHY, HISTORY ANALYSIS, FLEXIBLE KEY GENERATION AND REWARD & PUNISHMENT SYSTEM IN DTN ARCHITECTURE DIAGRAM



**DESCRIPTION :** In the **EXISTING SYSTEM**, a node could misbehave by dropping packets intentionally even when it has the capability to forward the data. Routing misbehavior can be caused by Malicious nodes that drop packets or modifying the packets to launch attacks. In the **PROPOSED SYSTEM**, we propose iTrust introduces a periodically available TA, which could launch the probabilistic detection for the target node and judge it by collecting the forwarding history evidence from its upstream and downstream nodes. Then, TA could punish or compensate the node based on its behaviors. We assume that each node must pay a deposit amount before it joins the network, and the deposit will be paid back after the node leaves if there is no misbehavior activity of the node. TA could ensure the security of DTN routing at a reduced cost. **MODIFICATION** of the Project is if any Node leaves or Joins the Network, then the Key will be alerted and send as E mail Alert to the Corresponding Nodes of the Network. Previous Nodes cannot access the data from the newly joined Network.

**ALGORITHM / METHODOLOGY:** Basic Misbehavior Detection Algorithm

**DOMAIN:** Networking

**IEEE REFERENCE:** IEEE Transactions on Parallel & Distributed System

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## DN 10037. Find The Best Book : IDENTIFICATION OF BEST BOOKS IN A LIBRARY WITH RFID BASED USER ACCESS & AVOIDANCE OF BOOKS MISPLACEMENT

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM**, Library Management System is only Manual Process. Some libraries have RFID based Authentication for User Access of Books. In the **PROPOSED SYSTEM**, colour based Book Segmentation is achieved by constructing a Robot. Books are placed on the Arm of the Robot and Web Camera captures the Book and stores the Colour of the Book. The **MODIFICATION** part of this Project is our Implementation. Mere capturing the Book Front & Back Wrapper alone does not going to Serve the People. Our Major implementation is Identification of Best Books based on Keyword based Filtering Technique. We use Stemming Algorithm to Extract Key Terms & Frequency pattern Algorithm is used to Detect Maximum numbers of Input Term appearance in a Book. we also use RFID for User Access control & also to detect Book Misplacement also.

**ALGORITHM / METHODOLOGY:** Stemming, Frequency Pattern

**DOMAIN:** Mobile Computing, Embedded, Data Mining

**IEEE REFERENCE:** IEEE Paper on ICARSC, 2014

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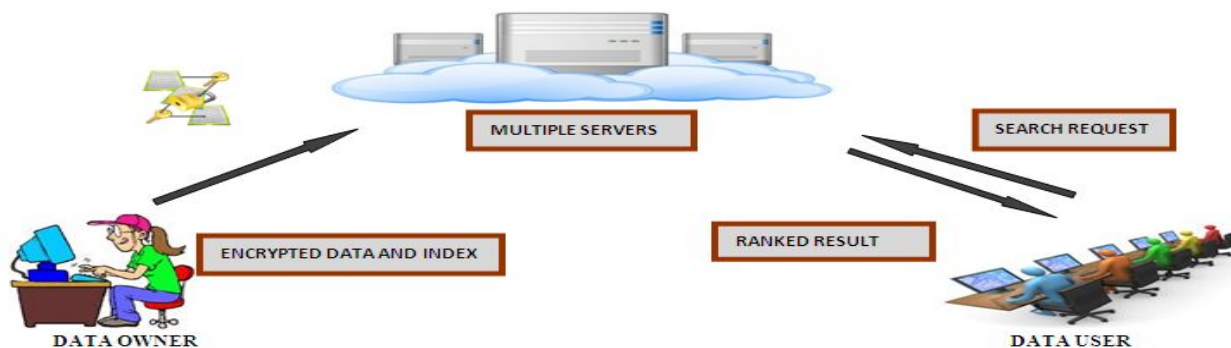
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## DN 10038. Big Cloud Storage : PRIVACY-PRESERVING MULTI-KEYWORD RANKED SEARCH OVER ENCRYPTED CLOUD DATA USING BIG DATA

### ARCHITECTURE DIAGRAM



**DESCRIPTION :** In the **EXISTING SYSTEM**, with the advent of Cloud Computing, Data Owners are motivated to outsource their Data to public cloud for great flexibility and economic savings. But only single keyword or Boolean keyword search is existing. So it gives undifferentiated results. In the **PROPOSED SYSTEM**, we define and solve the problem of multi-keyword ranked search over encrypted cloud data while preserving strict system wise privacy and eliminating unnecessary network traffic by sending back only the most relevant data by using coordinate matching. Data Owner uploads their Data along with the Index file to improve retrieval accuracy; the search result is ranked by the cloud server. In the **MODIFICATION PROCESS**, data is splitted into several Chunks & Stored in different servers for effective Data Retrieval. .

**ALGORITHM / METHODOLOGY:** K-Nearest Neighbor (KNN), Big Data

**DOMAIN:** Cloud Computing, Big Data

**IEEE REFERENCE:** IEEE TRANSACTIONS on Parallel and Distributed System, 2014

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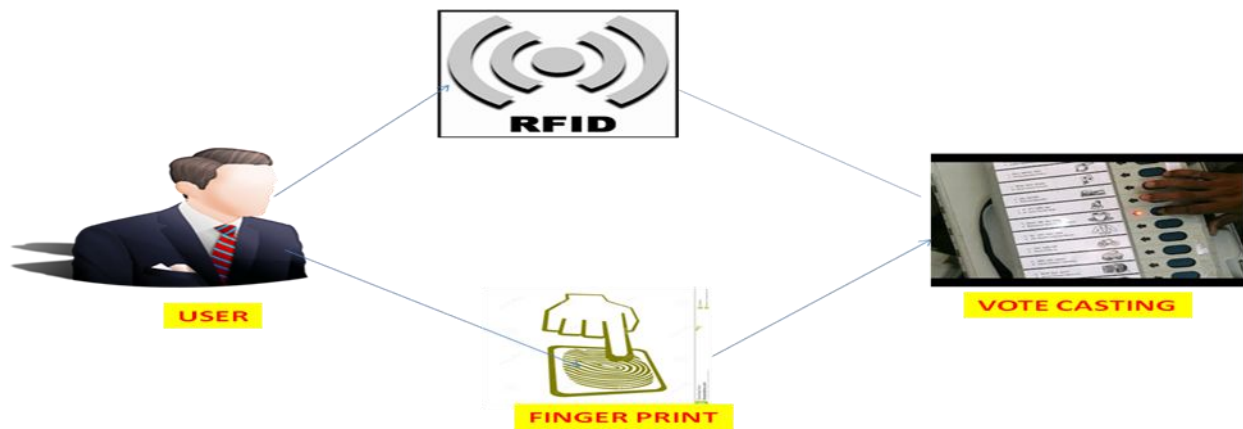
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## DN 10039. Finger Print Poll : RFID AND FINGER PRINT BASED USER RECOGNITION SYSTEM FOR SECURED VOTING IN AVOIDANCE OF RECASTING & PROXY CASTING

### ARCHITECTURE DIAGRAM:



**DESCPTION:** In the **EXISTING SYSTEM**, Voters are Verified using Voter’s ID only. Recasting & Proxy Voting is unfortunately irreversible in Real-time. In the **PROPOSED SYSTEM**, RFID is used instead of manual Voter’s ID and Results are Announced as per schedules. In Our **MODIFICATION**, both RFID & Finger Print is used for User Authentication. Casting of vote is Achieved using Touch Panel. Results are announced on the day of Election itself

**ALGORITHM / METHODOLOGY:** Image Processing, RFID, Touch System

**DOMAIN:** Mobile Computing, Embedded, Image Processing

**IEEE REFERENCE:** IEEE Paper on Indiacom, 2014

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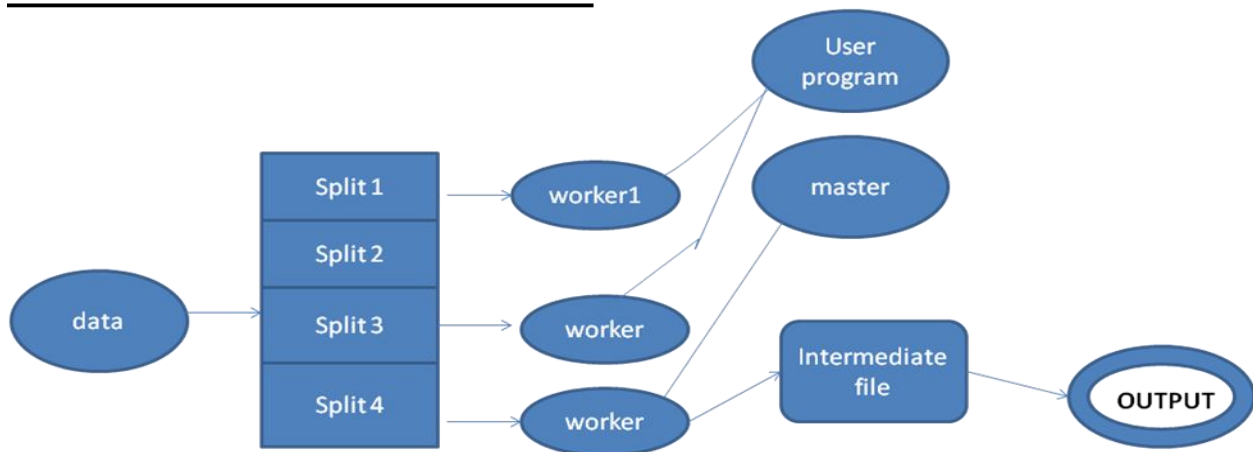
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## DN 10040. DACHE: A DATA AWARE CACHING FOR BIG-DATA APPLICATIONS USING THE MAP REDUCE FRAMEWORK

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** In the **EXISTING SYSTEM** there is no caching technique in the map reduce concept in big data. In the **PROPOSED SYSTEM** the input file will be splitted and it will be given to the different workers by the master and the user program. They will evaluate the intermediate files and data items. Again the processed data will be combined and the output will be given also the first solution for processing continuous text queries efficiently. Our objective is to support a large number of user queries while sustaining high document arrival rates. Our solution indexes the streamed documents in main memory with a structure based on the principles of the inverted file, and processes document arrival and expiration events with an incremental threshold-based method. The **MODIFICATION** of the project is only limited number of projects will be allocated to worker by the master.

**ALGORITHM / METHODOLOGY:** Euclidean distance

**DOMAIN:** BIG DATA, Networking

**IEEE REFERENCE:** IEEE Paper on networks, 2014.

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## DN 10041. Purchase Me : DESIGN OF REVIEW BASED PRODUCT RANKING IN A MARKET PLACE WITH TRANSACTION ID VERIFICATION

### ARCHITECTURE DIAGRAM:







**DESCRIPTION:** In the **EXISTING SYSTEM** the product ranking will be based only on the user perception. In the **PROPOSED SYSTEM** the product ranking will be based on the frequently commented in consumer reviews and the consumer's opinions on these aspects which greatly influence their overall opinions on the product. According to the product aspect identification and sentiment classification the product will be ranked. The **MODIFICATION** of the project is will generate the Transaction ID for Every Product Purchase. User will be the Feedback about the Product by Keying the Transaction ID. Once the Transaction ID is matched an OTP is Generated to the User's Mobile Number. Only after Authentication Feedback is Accepted and Published in the Website. User is not allowed to give Feedback for Non Purchased Products & Area.

**ALGORITHM / METHODOLOGY:** Probabilistic Aspect Ranking

**DOMAIN:** Data Mining

**IEEE REFERENCE:** IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014.

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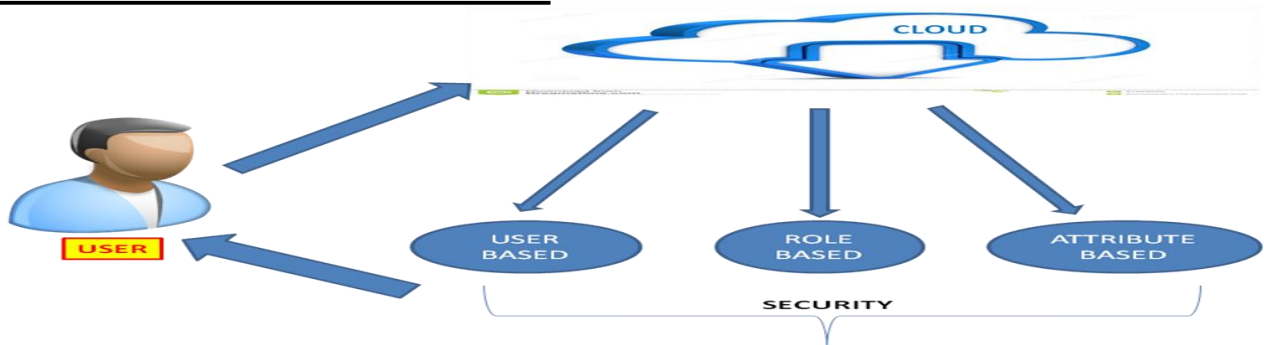
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## DN 10042. DECENTRALIZED ACCESS CONTROL WITH ANONYMOUS AUTHENTICATION OF DATA STORED IN CLOUDS

### ARCHITECTURE DIAGRAM:



**DESCRIPTION:** The **EXISTING SYSTEM** only store the data in the cloud any user can access the data. In the **PROPOSED SYSTEM** the data is Stored in the Remote Cloud. Data Owner can share the Data and it's Key to the Permitted Users. Data Sharing is achieved for three types of Users. 1. User Based, 2. Role Based (Position / Role), 3. Attribute (Experience). **MODIFICATION** of the Project is to share the Data across the users using Multiparty Two Third Authentication Scheme. Using this Scheme New user can send the Request to the Data Owner as well as Permitted Users. Either Owner or Two Third of Permitted User Authenticates (SMS Alert to the Owner) the request, Data is forwarded to the requested new user in case of Non Sensitiveness & also shared to rest of the users based on the Sensitiveness specified by the Data Owner.

### ALGORITHM/METHODOLOGY: Ordered Preserving Encryption

DOMAIN: Cloud Computing, Security

IEEE REFERENCE: IEEE TRANSACTIONS on Parallel and Distributed system, 2014

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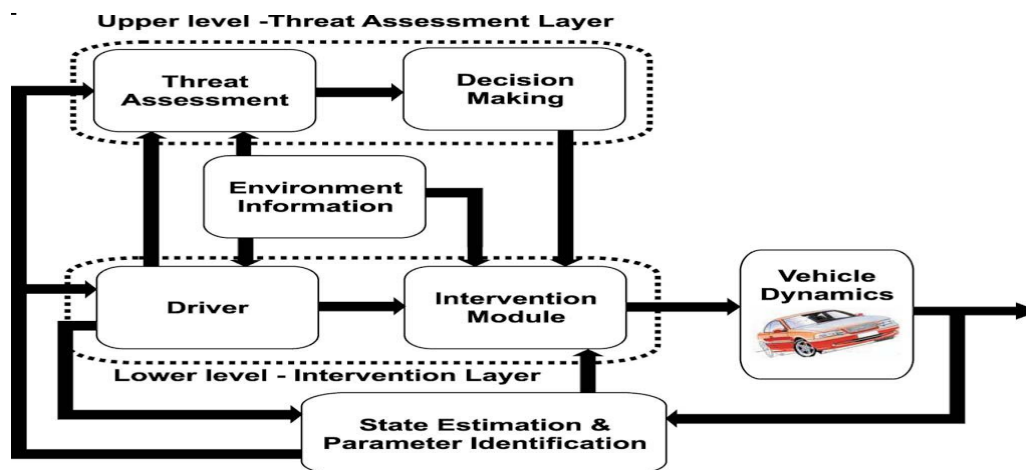
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## DN 10043. Protect Me : DESIGN OF PROACTIVE ACCIDENT AVOIDANCE SYSTEM USING EYE BALL, ULTRASONIC, BRAKE SENSOR

### ARCHITECTURE DIAGRAM



**DESCRIPTION:** In the **EXISTING SYSTEM**, there is no proper Predictive method to avoid the Traffic Accidents. In the **PROPOSED SYSTEM**, If the owner is in the panic state and driving the without control in the steering, immediately an automatic control is provided to avoid the accident. Same way over speed would be automatically controlled. Ultrasonic Sensor is attached with the Vehicle to avoid the accidents. This Project is aimed to predictive to possible accidents, before it occurs. This Process is used to prevent those accidents. In **MODIFICATION** process, Eye Ball Sensor is attached to the vehicle, if driver sleeps, this sensor will detect the automatically apply brake in order to avoid Accident

**ALGORITHM / METHODOLOGY:** Novel Decision-Making, Model-Based Threat Assessment

**DOMAIN:** Mobile Computing, Embedded

**IEEE REFERENCE:** IEEE Paper on GHTC-SAS, 2014

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