|  |  |  |
| --- | --- | --- |
| Sl.No | 2019 & 2020 Project Title | Year |
|  | **Cloud Computing** |  |
|  |  |  |
| 1 | **A Practical Attribute-Based Document Collection Hierarchical Encryption Scheme in Cloud Computing** | **2019** |
| 2 | **A Trust-Based Agent Learning Model for Service Composition in Mobile Cloud Computing Environments** | **2019** |
| 3 | **Dynamic Multi-Keyword Ranked Search Based on Bloom Filter Over Encrypted Cloud Data** | **2019** |
| 4 | **Reliability and Availability Evaluation for Cloud Data Center Networks Using Hierarchical Models** | **2019** |
| 5 | **Verifiable and Multi-keyword Searchable Attribute-based Encryption Scheme for Cloud Storage** | **2019** |
| 6 | **Crypt-DAC: Cryptographically Enforced Dynamic Access Control in the Cloud** | **2019** |
| 7 | **CHARON: A Secure Cloud-of-Clouds System for Storing and Sharing Big Data** | **2019** |
| 8 | **An Attribute-Based Controlled Collaborative Access Control Scheme for Public Cloud Storage** | **2019** |
| 9 | **Trustworthy Delegation toward Securing Mobile Healthcare Cyber-Physical Systems** | **2019** |
| 10 | **Secure Data Group Sharing and Conditional Dissemination with Multi-Owner in Cloud Computing** | **2019** |
| 11 | **Hidden Ciphertext Policy Attribute-Based Encryption with Fast Decryption for Personal Health Record System** | **2019** |
| 12 | **A Lightweight Secure Auditing Scheme for Shared Data in Cloud Storage** | **2019** |
| 13 | **Novel Multi-Keyword Search on Encrypted Data in the Cloud** | **2019** |
| 14 | **Privacy-aware Personal Data Storage (P-PDS) Learning how to Protect User Privacy from External Applications** | **2019** |
| 15 | **Privacy-Preserving Attribute-Based Keyword Search in Shared Multi-owner Setting** | **2019** |
| 16 | **Fast Boolean Queries With Minimized Leakage for Encrypted Databases in Cloud Computing**  | **2019** |
| 17 | **Towards Achieving Keyword Search over Dynamic Encrypted Cloud Data with Symmetric-Key Based Verification** | **2019** |
| 18 | **Design of Secure Authenticated Key Management Protocol for Cloud Computing Environments** | **2019** |
| 19 | **A Fog-centric Secure Cloud Storage Scheme** | **2019** |
| 20 | **Enabling Verifiable and Dynamic Ranked Search Over Outsourced Data** | **2019** |
| 21 | **A Data Sharing Protocol to Minimize Security and Privacy Risks of Cloud Storage in Big Data Era** | **2019** |
| 22 | **A Secure Searchable Encryption Framework for Privacy-Critical Cloud Storage Services** | **2019** |
| 23 | **Achieve Privacy-Preserving Priority Classification on Patient Health Data in Remote eHealthcare System** | **2019** |
| 24 | **Data Integrity Auditing without Private Key Storage for Secure Cloud Storage** | **2019** |
| 25 | **Enabling Authorized Encrypted Search for Multi-Authority Medical Databases** | **2019** |
| 26 | **Fuzzy Identity-Based Data Integrity Auditing for Reliable Cloud Storage Systems** | **2019** |
| 27 | **P-MOD: Secure Privilege-Based Multilevel Organizational Data-Sharing in Cloud Computing** | **2019** |
| 28 | **Practical Privacy-Preserving MapReduce Based K-means Clustering over Large-scale Dataset** | **2019** |
| 29 | **Profit Maximization for Cloud Brokers in Cloud Computing** | **2019** |
| 30 | **Provable Data Possession with Outsourced Data Transfer** | **2019** |
| 31 | **Provably Secure Fine-Grained Data Access Control over Multiple Cloud Servers in Mobile Cloud Computing Based Healthcare Applications** | **2019** |
| 32 | **Revocable Identity-Based Broadcast Proxy Re-encryption for Data Sharing in Clouds** | **2019** |
| 33 | **Searchable Symmetric Encryption with Forward Search Privacy** | **2019** |
| 34 | **Privacy Preserving Searchable Encryption with Fine-grained Access Control** | **2019** |
| 35 | **A Secure G-Cloud-Based Framework for Government Healthcare Services** | **2019** |
| 36 | **A Distributed Trust Evaluation Protocol with Privacy Protection for Inter cloud** | **2019** |
| 37 | **A Modified Hierarchical Attribute-Based Encryption Access Control Method for Mobile Cloud Computing** | **2019** |
| 38 | **Hybrid Keyword-Field Search with Efficient Key Management for Industrial Internet of Things** | **2019** |
| 39 | **Delegated Authorization Framework for HER Services using Attribute Based Encryption** | **2019** |
| 40 | **Memory Leakage-Resilient Dynamic and Verifiable Multikeyword Ranked Search on Encrypted Smart Body Sensor Network Data** | **2019** |
| 41 | **Privacy-Preserving Attribute-Based Keyword Search in Shared Multi-owner Setting** | **2019** |
| 42 | **Privacy-Preserving Multi-keyword Top-k Similarity Search Over Encrypted Data** | **2019** |
| 43 | **Secure Phrase Search for Intelligent Processing of Encrypted Data in Cloud-Based IoT** | **2019** |
| 44 | **Enabling Identity-Based Integrity Auditing and Data Sharing With Sensitive Information Hiding for Secure Cloud Storage** | **2019** |
|  |  |  |
|  | **Secure Computing**  |  |
|  |  |  |
| 1 | **A Novel Load Image Profile-Based Electricity Load Clustering Methodology** | **2019** |
| 2 | **Coverless Information Hiding Method Based on Web Text** | **2019** |
| 3 | **SEPTIC Detecting Injection Attacks and Vulnerabilities Inside the DBMS** | **2019** |
| 4 | **LBOA: Location-Based Secure Outsourced Aggregation in IoT** | **2019** |
| 5 | **Towards Thwarting Template Side-channel Attacks in Secure Cloud Deduplications** | **2019** |
| 6 | **Automated Decision Making in Airport Checkpoints: Bias Detection Toward Smarter Security and Fairness** | **2019** |
| 7 | **Detecting Malicious Social Bots Based on Click stream Sequences** | **2019** |
| 8 | **Authenticated Medical Documents Releasing with Privacy Protection and Release Control** | **2019** |
| 9 | **Collusion Defender: Preserving Subscribers’ Privacy in Publish and Subscribe Systems** | **2019** |
| 10 | **Privacy-Preserving Aggregate Queries for Optimal Location Selection** | **2019** |
| 11 | **Authenticated Medical Documents Releasing with Privacy Protection and Release Control** | **2019** |
| 12 | **Dating with Scambots: Understanding the Ecosystem of Fraudulent Dating Applications** | **2019** |
| 13 | **Sensitive Label Privacy Preservation with Anatomization for Data Publishing** | **2019** |
| 14 | **Achieving Data Truthfulness and Privacy Preservation in Data Markets** | **2019** |
| 15 | **Who You Should Not Follow: Extracting Word Embeddings from Tweets to Identify Groups of Interest and Hijackers in Demonstrations** | **2019** |
| 16 | **Scalable Access Control For Privacy-Aware Media Sharing** |  |
|  |  |  |
|  | **Information Forensics and Security** |  |
| 1 | **Authentication by Encrypted Negative Password** | **2019** |
| 2 | **Retrieving Hidden Friends: A Collusion Privacy Attack Against Online Friend Search Engine** | **2019** |
| 3 | **Account Trade Accountability Against Dishonest Big Data Buyers and Sellers** | **2019** |
| 4 | **Enabling Efficient and Geometric Range Query with Access Control over Encrypted Spatial Data** | **2019** |
| 5 | **Enabling Identity-Based Integrity Auditing and Data Sharing With Sensitive Information Hiding for Secure Cloud Storage** | **2019** |
| 6 | **Peer Prediction Based Trustworthiness Evaluation and Trustworthy Service Rating in Social Networks** | **2019** |
| 7 | **Secure Key Agreement and Key Protection for Mobile Device User Authentication** | **2019** |
|  |  |  |
|  |  **SOCIAL NETWORK** |  |
| 1 | **A Hybrid Approach to Service Recommendation Based on Network Representation Learning** | **2019** |
| 2 | **Social Network Rumor Diffusion Predication Based on Equal Responsibility Game Model** | **2019** |
| 3 | **Online Public Shaming on Twitter: Detection, Analysis and Mitigation** | **2019** |
| 4 | **PersoNet: Friend Recommendation System Based on Big-Five Personality Traits and Hybrid Filtering** | **2019** |
| 5 | **A Fuzzy Approach to Text Classification with Two Stage Training for Ambiguous Instances** | **2019** |
| 6 | **Conversational Networks For Automatic Online Moderation** | **2019** |
| 7 | **Credibility Evaluation of Twitter-Based Event Detection by a Mixing Analysis of Heterogeneous Data** | **2019** |
| 8 | **Filtering Instagram hashtags through crowd tagging and the HITS algorithm** | **2019** |
| 9 | **Minimizing Influence of Rumors by Blockers on Social Networks: Algorithms and Analysis** | **2019** |
| 10 | **Predicting Cyberbullying on Social Media in the Big Data Era Using Machine Learning Algorithms: Review of Literature and Open Challenges** | **2019** |
| 11 | **Spammer Detection and Fake User Identification on Social Networks** | **2019** |
| 12 | **Trust-based Privacy-Preserving Photo Sharing in Online Social Networks** | **2019** |
| 13 | **Trust-based Collaborative Privacy Management in Online Social Networks Updating More Titles** | **2019** |
|  |  |  |
|  |  |  |
|  | **DATA MINING** |  |
| 1 | **Clustering-Based Collaborative Filtering Using an Incentivized/Penalized User Model** | **2019** |
| 2 | **A Hierarchical Attention Model for Social Contextual Image Recommendation** | **2019** |
| 3 | **Mining Users Trust From E-Commerce Reviews Based on Sentiment Similarity Analysis** | **2019** |
| 4 | **Old and Young Users’ White Space Preferences for Online News Web Pages** | **2019** |
| 5 | **Analysis and Accurate Prediction of User’s Response Behavior in Incentive-Based Demand Response** | **2019** |
| 6 | **DCCR: Deep Collaborative Conjunctive Recommender for Rating Prediction** | **2019** |
| 7 | **Network Representation Learning Enhanced Recommendation Algorithm** | **2019** |
| 8 | **Trust Relationship Prediction in Alibaba E-Commerce Platform** | **2019** |
| 9 | **Composition Context-Based Web Services Similarity Measure** | **2019** |
| 10 | **NASM: Nonlinearly Attentive Similarity Model for Recommendation System via Locally Attentive Embedding** | **2019** |
| 11 | **A Novel Load Image Profile-Based Electricity Load Clustering Methodology** | **2019** |
| 12 | **An Efficient Method for High Quality and Cohesive Topical Phrase Mining** | **2019** |
| 13 | **Privacy-Preserving Social Media Data Publishing for Personalized Ranking-Based Recommendation** | **2019** |
| 14 | **Secure and Efficient Skyline Queries on Encrypted Data** | **2019** |
| 15 | **A Hybrid E-learning Recommendation Approach Based on Learners’ Influence Propagation** | **2019** |
| 16 | **Active Online Learning for Social Media Analysis to Support Crisis Management** | **2019** |
| 17 | **Applying Simulated Annealing and Parallel Computing to the Mobile Sequential Recommendation** | **2019** |
| 18 | **Collaboratively Tracking Interests for User Clustering in Streams of Short Texts** | **2019** |
| 19 | **Detecting Pickpocket Suspects from Large-Scale Public Transit Records** | **2019** |
| 20 | **Finding Optimal Skyline Product Combinations under Price Promotion** | **2019** |
| 21 | **Heterogeneous Information Network Embedding for Recommendation** | **2019** |
| 22 | **Hierarchical Multi-Clue Modelling for POI Popularity Prediction with Heterogeneous Tourist Information** | **2019** |
| 23  | **K-nearest Neighbor Search by Random Projection Forests** | **2019** |
| 24  | **Learning Customer Behaviors for Effective Load Forecasting** | **2019** |
| 25 | **Normalization of Duplicate Records from Multiple Sources** | **2019** |
| 26 | **On Scalable and Robust Truth Discovery in Big Data Social Media Sensing Applications** | **2019** |
| 27 | **Privacy-Preserving Social Media Data Publishing for Personalized Ranking-Based Recommendation** | **2019** |
| 28 | **Ant Colony Stream Clustering: A Fast Density Clustering Algorithm for Dynamic Data Streams** | **2019** |
| 29 | **Predicting Consumption Patterns with Repeated and Novel Events** | **2019** |
| 30 | **Multi-Party High-Dimensional Data Publishing under Differential Privacy** | **2019** |
| 31 | **l-Injection: Toward Effective Collaborative Filtering Using Uninteresting Items** | **2019** |
| 32 | **Detection of fake online reviews using semi-supervised and supervised learning** | **2019** |
| 33 | **Collaborative Filtering-based Electricity Plan Recommender System**  | **2019** |
|  |  |  |
|  | **Mobile Computing** |  |
| 1 | **An Indoor Position-Estimation Algorithm Using Smartphone IMU Sensor Data** | **2019** |
| 2 | **FooDNet: Toward an Optimized Food Delivery Network based on Spatial Crowdsourcing** | **2019** |
| 3 | **Privacy-preserving Crowd-sourced Statistical Data Publishing with An Untrusted Server** | **2019** |
|  |  |  |
|  | **Wireless Sensor Networks** |  |
| 1 | **V-Matrix-Based Scalable Data Aggregation Scheme in WSN** | **2019** |
| 2 | **A Probabilistic Source Location Privacy Protection Scheme in Wireless Sensor Networks** | **2019** |
| 3 | **CPSLP: A Cloud-Based Scheme for Protecting Source-Location Privacy in Wireless Sensor Networks Using Multi-Sinks** | **2019** |
| 4 | **Efficient Path Planning for a Mobile Sink to Reliably Gather Data from Sensors with Diverse Sensing Rates and Limited Buffers** | **2019** |
| 5 | **Node-Level Trust Evaluation in Wireless Sensor Networks** | **2019** |
| 6 | **Selective Authentication Based Geographic Opportunistic Routing in Wireless Sensor Networks for Internet of Things Against DoS Attacks** | **2019** |
| 7 | **A Secure and Efficient Data Sharing and Searching Scheme in Wireless Sensor Networks** | **2019** |
|  |  |  |
|  | **Android Projects** |  |
| 1 | **RescueMe: Smartphone-Based Self Rescue System for Disaster Rescue** | **2019** |
| 2 | **FallDroid: An Automated Smart Phone based Fall Detection System using Multiple Kernel Learning** | **2019** |
| 3 | **Dating with Scambots: Understanding the Ecosystem of Fraudulent Dating Applications** | **2019** |
| 4 | **Applying Simulated Annealing and Parallel Computing to the Mobile Sequential Recommendation** | **2019** |
| 5 | **An Indoor Position-Estimation Algorithm Using Smartphone IMU Sensor Data** | **2019** |
| 6 | **Achieve Privacy-Preserving Priority Classification on Patient Health Data in Remote eHealthcare System** | **2019** |
| 7 | **Delegated Authorization Framework for HER Services using Attribute Based Encryption** | **2019** |
| 8 | **Building and Studying a Password Store that Perfectly Hides Passwords from Itself** | **2019** |
| 9 | **DroidFusion: A Novel Multilevel Classifier Fusion Approach for Android Malware Detection** | **2019** |
|  |  |  |
|  | **Big Data** |  |
| 1 | **A Data Sharing Protocol to Minimize Security and Privacy Risks of Cloud Storage in Big Data Era** | **2019** |
| 2 | **A Searchable and Verifiable Data Protection Scheme for Scholarly Big Data** | **2019** |
| 3 | **AccountTrade: Accountability Against Dishonest Big Data Buyers and Sellers** | **2019** |
| 4 | **Fast Communication-efficient Spectral Clustering Over Distributed Data** | **2019** |
|  |  |  |
|  | **MACHINE LEARNING** |  |
| 1 | **Predicting Cyberbullying on Social Media in the Big Data Era Using Machine Learning Algorithms: Review of Literature and Open Challenges** |  |
| 2 | **Competitive Bike Competitive Analysis and Popularity Prediction of Bike-Sharing Apps Using Multi-Source Data** |  |
| 3 | **Detection of fake online reviews using semi-supervised and supervised learning** |  |
| 4 | **Location Inference for Non-geotagged Tweets in User Timelines** |  |
| 5 | **Privacy-Preserving Social Media Data Publishing for Personalized Ranking-Based Recommendation** |  |
| 6 | **Sentiment Classification using N-gram IDF and Automated Machine Learning** |  |
| 7 | **Serendipity—A Machine-Learning Application for Mining Serendipitous Drug Usage from Social Media** |  |
| 8 | **Spammer Detection and Fake User Identification on Social Networks** |  |
| 9 | **Analysis of Women Safety in Indian Cities Using Machine Learning on Tweets** |  |
|  |  |  |
|  | **SERVICE COMPUTING** |  |
| 1 | **Transactional Behavior Verification in Business Process as a Service Configuration** | **2019** |
| 2 | **Building and Querying an Enterprise Knowledge Graph** | **2019** |
| 3 | **Delegated Authorization Framework for EHR Services using Attribute Based Encryption** | **2019** |
| 4 | **Secure Channel Free Certificate-Based Searchable Encryption Withstanding Outside and Inside Keyword Guessing Attacks** | **2019** |
|  |  |  |
|  |  **INTERNET OF THINGS (IOT)** |  |
|  |  |  |
| 1 | **Trustworthy Delegation toward Securing Mobile Healthcare Cyber-Physical Systems** | **2019** |
| 2 | **Securing Data in Internet of Things (IoT) Using Cryptography and Steganography Techniques** | **2019** |
| 3 | **Congestion Avoidance for Smart Devices by Caching Information in MANETS and IoT** | **2019** |
| 4 | **Secure Phrase Search for Intelligent Processing of Encrypted Data in Cloud-Based IoT** | **2019** |
| 5 | **LBOA: Location-Based Secure Outsourced Aggregation in IoT** | **2019** |
|  |  |  |
|  |  |  |
|  | **Image Processing and Multimedia** |  |
| 1 | **Fundamental Visual Concept Learning from Correlated Images and Text** | **2019** |
| 2  | **Towards Robust Image Steganography** | **2019** |
| 3 | **New Framework of Reversible Data Hiding in Encrypted JPEG Bitstreams** | **2019** |
|  |  |  |
|  | **Software Engineering** |  |
| 1 | **Scheduling Real Time Security Aware tasks in Fog Networks** | **2019** |
|  |  |  |
|  | **Parallel and Distributed System** |  |
| 1 | **Deadline-aware MapReduce Job Scheduling with Dynamic Resource Availability** | **2019** |
|  |  |  |
|  | **Adhoc Networks** |  |
| 1 | **Efficient Conditional Anonymity With Message Integrity and Authentication in a Vehicular Ad-Hoc Network** | **2019** |
| 2 | **Kalman Prediction based Neighbor Discovery and its Effect on Routing Protocol in Vehicular Ad Hoc Networks** | **2019** |
| 3 | **New Multi-Hop Clustering Algorithm for Vehicular Ad Hoc Networks** | **2019** |
| 4 | **Robust Defense Scheme Against Selective Drop Attack in Wireless Ad Hoc Networks** | **2019** |
| 5 | **V2V Routing in a VANET Based on the Autoregressive Integrated Moving Average Model** | **2019** |
| 6 | **An Evolutionary Self-Cooperative Trust Scheme Against Routing Disruptions in MANETs** | **2019** |
| 7 | **An Attack-resistant Trust Inference Model for Securing Routing in Vehicular Ad-hoc Networks** | **2019** |
| 8 | **An Efficient Message-Authentication Scheme Based on Edge Computing for Vehicular Ad Hoc Networks** | **2019** |
| 9 | **DeQoS Attack: Degrading Quality of Service in VANETs and its Mitigation** | **2019** |
| 10 | **Robust Defense Scheme Against Selective Drop Attack in Wireless Ad Hoc Networks** |  |
| 11 | **A neighbor trust-based mechanism to protect mobile networks** |  |
| 12 | **An Evolutionary Self-Cooperative Trust Scheme Against Routing Disruptions in MANETs** |  |
| 13 | **Congestion Avoidance for Smart Devices by Caching Information in MANETS and IoT** |  |
| 14 | **Novel Intrusion Detection and Prevention for Mobile Ad Hoc Networks** |  |