

<i>Sl.No</i>	<i><u>2019 & 2020 Project Title</u></i>	<i><u>Year</u></i>
	<u>Cloud Computing</u>	
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	2019

	Servers in Mobile Cloud Computing Based Healthcare Applications	
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
	<u>Secure Computing</u>	
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
	Scalable Access Control For Privacy-Aware Media Sharing	
	<u>Information Forensics and Security</u>	
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
	<u>SOCIAL NETWORK</u>	
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
	<u>DATA MINING</u>	
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'	2019

	Influence Propagation	
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

	<u>Mobile Computing</u>	
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
	<u>Wireless Sensor Networks</u>	
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
	<u>Android Projects</u>	
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
	<u>Big Data</u>	
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
	<u>MACHINE LEARNING</u>	
1	Predicting Cyberbullying on Social Media in the Big Data Era Using Machine Learning Algorithms: Review of Literature and Open Challenges	
2	CompetitiveBike 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	
	<u>SERVICE COMPUTING</u>	
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
	<u>INTERNET OF THINGS (IOT)</u>	
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
	<u>Image Processing and Multimedia</u>	

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
	<u>Software Engineering</u>	
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	