

FINAL YEAR PROJECTS

IEEE PROJECTS 2016 – 2017

JAVA PROJECTS

CLLOUD COMPUTING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	MCJ1601	A Secure and Dynamic Multi-Keyword Ranked Search Scheme over Encrypted Cloud Data	2016
2	MCJ1602	A Secure Anti-Collusion Data Sharing Scheme for Dynamic Groups in the Cloud	2016
3	MCJ1603	An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing	2016
4	MCJ1604	An Efficient Privacy-Preserving Ranked Keyword Search Method	2016
5	MCJ1605	CDA Generation and Integration for Health Information Exchange Based on Cloud Computing System	2016
6	MCJ1606	Circuit Ciphertext-Policy Attribute-Based Hybrid Encryption with Verifiable Delegation in Cloud Computing	2016
7	MCJ1607	CloudArmor: Supporting Reputation-Based Trust Management for Cloud Services	2016
8	MCJ1608	Conditional Identity-Based Broadcast Proxy Re-Encryption and Its Application to Cloud Email	2016
9	MCJ1609	Conjunctive Keyword Search With Designated Tester and Timing Enabled Proxy Re-Encryption Function for E-Health Clouds	2016
10	MCJ1610	DiploCloud: Efficient and Scalable Management of RDF Data in the Cloud	2016
11	MCJ1611	Dual-Server Public-Key Encryption With Keyword Search for Secure Cloud Storage	2016
12	MCJ1612	Dynamic and Public Auditing with Fair Arbitration for Cloud Data	2016
13	MCJ1613	Enabling Cloud Storage Auditing With Verifiable Outsourcing of Key Updates	2016

14	MCJ1614	Fine-Grained Two-Factor Access Control for Web-Based Cloud Computing Services	2016
15	MCJ1515	A Hybrid Cloud Approach for Secure Authorized Deduplication	2015
16	MCJ1516	A Profit Maximization Scheme with Guaranteed Quality of Service in Cloud Computing	2015
17	MCJ1517	A Scalable and Reliable Matching Service for Content-Based Publish/Subscribe Systems	2015
18	MCJ1518	A Secure and Dynamic Multi-keyword Ranked Search Scheme over Encrypted Cloud Data	2015
19	MCJ1519	A Secure Anti-Collusion Data Sharing Scheme for Dynamic Groups in the Cloud	2015
20	MCJ1520	An Authenticated Trust and Reputation Calculation and Management System for Cloud and Sensor Networks Integration	2015
21	MCJ1521	Audit-Free Cloud Storage via Deniable Attribute-based Encryption	2015
22	MCJ1522	Circuit Ciphertext-policy Attribute-based Hybrid Encryption with Verifiable Delegation in Cloud Computing	2015
23	MCJ1523	CloudArmor: Supporting Reputation-based Trust Management for Cloud Services	2015
24	MCJ1524	Control Cloud Data Access Privilege and Anonymity with Fully Anonymous Attribute-Based Encryption	2015
25	MCJ1525	Enabling Cloud Storage Auditing With Key-Exposure Resistance	2015
26	MCJ1526	Enabling Fine-grained Multi-keyword Search Supporting Classified Sub-dictionaries over Encrypted Cloud Data	2015
27	MCJ1527	Identity-Based Encryption with Outsourced Revocation in Cloud Computing	2015
28	MCJ1528	Key-Aggregate Searchable Encryption (KASE) for Group Data Sharing via Cloud Storage	2015
29	MCJ1529	Privacy Preserving Ranked Multi-Keyword Search for Multiple Data Owners in Cloud Computing	2015
30	MCJ1530	Privacy-Preserving Public Auditing for Regenerating-Code-Based Cloud Storage	2015
31	MCJ1531	Provable Multicopy Dynamic Data Possession in Cloud Computing Systems	2015
32	MCJ1532	Public Integrity Auditing for Shared Dynamic Cloud Data with Group User Revocation	2015
33	MCJ1533	Secure Auditing and Deduplicating Data in Cloud	2015
34	MCJ1534	Stealthy Denial of Service Strategy in Cloud Computing	2015
35	MCJ1435	A Hybrid Cloud Approach for Secure Authorized Deduplication	2014
36	MCJ1436	A Scalable Two-Phase Top-Down Specialization Approach for Data Anonymization Using MapReduce on Cloud	2014
37	MCJ1437	A Stochastic Model to Investigate Data Center Performance and QoS in IaaS Cloud Computing Systems	2014
38	MCJ1438	Building Confidential and Efficient Query Services in the Cloud with RASP Data	2014

		Perturbation	
39	MCJ1439	Decentralized Access Control with Anonymous Authentication of Data Stored in Clouds	2014
40	MCJ1440	Distributed, Concurrent, and Independent Access to Encrypted Cloud Databases	2014
41	MCJ1441	Expressive, Efficient, and Revocable Data Access Control for Multi-Authority Cloud Storage	2014
42	MCJ1442	Key-Aggregate Cryptosystem for Scalable Data Sharing in Cloud Storage	2014
43	MCJ1443	Oruta: Privacy-Preserving Public Auditing for Shared Data in the Cloud	2014
44	MCJ1444	PACK: Prediction-Based Cloud Bandwidth and Cost Reduction System	2014
45	MCJ1445	Privacy-Preserving Multi-Keyword Ranked Search over Encrypted Cloud Data	2014
46	MCJ1446	Scalable Distributed Service Integrity Attestation for Software-as-a-Service Clouds	2014
47	MCJ1447	Towards Differential Query Services in Cost-Efficient Clouds	2014

DATA MINING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	DMJ1601	A Novel Recommendation Model Regularized with User Trust and Item Ratings	2016
2	DMJ1602	Automatically Mining Facets for Queries from Their Search Results	2016
3	DMJ1603	Booster in High Dimensional Data Classification	2016
4	DMJ1604	Building an intrusion detection system using a filter-based feature selection algorithm	2016
5	DMJ1605	Connecting Social Media to E-Commerce: Cold-Start Product Recommendation Using Microblogging Information	2016
6	DMJ1606	Cross-Domain Sentiment Classification Using Sentiment Sensitive Embeddings	2016
7	DMJ1607	Crowdsourcing for Top-K Query Processing over Uncertain Data	2016
8	DMJ1608	Cyberbullying Detection based on Semantic-Enhanced Marginalized Denoising Auto-Encoder	2016
9	DMJ1609	Domain-Sensitive Recommendation with User-Item Subgroup Analysis	2016
10	DMJ1610	Efficient Algorithms for Mining Top-K High Utility Itemsets	2016
11	DMJ1611	Efficient Cache-Supported Path Planning on Roads	2016
12	DMJ1612	Mining User-Aware Rare Sequential Topic Patterns in Document Streams	2016

13	DMJ1613	Nearest Keyword Set Search in Multi-Dimensional Datasets	2016
14	DMJ1614	Rating Prediction based on Social Sentiment from Textual Reviews	2016
15	DMJ1615	Location Aware Keyword Query Suggestion Based on Document Proximity	2016
16	DMJ1616	Using Hashtag Graph-based Topic Model to Connect Semantically-related Words without Co-occurrence in Microblogs	2016
17	DMJ1617	Quantifying Political Leaning from Tweets, Retweets, and Retweeters	2016
18	DMJ1618	Relevance Feedback Algorithms Inspired By Quantum Detection	2016
19	DMJ1619	Sentiment Embeddings with Applications to Sentiment Analysis	2016
20	DMJ1620	Top-Down XML Keyword Query Processing	2016
21	DMJ1621	TopicSketch: Real-time Bursty Topic Detection from Twitter	2016
22	DMJ1622	Top-k Dominating Queries on Incomplete Data	2016
23	DMJ1623	Understanding Short Texts through Semantic Enrichment and Hashing	2016
24	DMJ1524	Best Keyword Cover Search	2015
25	DMJ1525	Co-Extracting Opinion Targets and Opinion Words from Online Reviews Based on the Word Alignment Model	2015
26	DMJ1526	Context-Based Diversification for Keyword Queries over XML Data	2015
27	DMJ1527	Discovery of Ranking Fraud for Mobile Apps	2015
28	DMJ1528	Malware Propagation in Large-Scale Networks	2015
29	DMJ1529	On Summarization and Timeline Generation for Evolutionary Tweet Streams	2015
30	DMJ1530	Privacy Policy Inference of User-Uploaded Images on Content Sharing Sites	2015
31	DMJ1531	Progressive Duplicate Detection	2015
32	DMJ1532	Reverse Nearest Neighbors in Unsupervised Distance-Based Outlier Detection	2015
33	DMJ1533	Route-Saver: Leveraging Route APIs for Accurate and Efficient Query Processing at Location-Based Services	2015
34	DMJ1534	Scalable Constrained Spectral Clustering	2015
35	DMJ1535	Towards Effective Bug Triage with Software Data Reduction Techniques	2015
36	DMJ1536	Tweet Segmentation and Its Application to Named Entity Recognition	2015
37	DMJ1437	A Cocktail Approach for Travel Package Recommendation	2014
38	DMJ1438	Accuracy-Constrained Privacy-Preserving Access Control Mechanism for Relational Data	2014
39	DMJ1439	BestPeer++: A Peer-to-Peer Based Large-Scale Data Processing Platform	2014
40	DMJ1440	Data Mining with Big Data	2014
41	DMJ1441	Dealing With Concept Drifts in Process Mining	2014

42	DMJ1442	Discovering Emerging Topics in Social Streams via Link-Anomaly	2014
43	DMJ1443	Efficient Prediction of Difficult Keyword Queries over Databases	2014
44	DMJ1444	Facilitating Document Annotation Using Content and Querying Value	2014
45	DMJ1445	Fast Nearest Neighbor Search with Keywords	2014
46	DMJ1446	Keyword Query Routing	2014
47	DMJ1447	Privacy-Preserving and Content-Protecting Location Based Queries	2014
48	DMJ1448	Security Evaluation of Pattern Classifiers under Attack	2014
49	DMJ1449	Supporting Privacy Protection in Personalized Web Search	2014
50	DMJ1450	Towards Online Shortest Path Computation	2014

NETWORKING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	NWJ1601	A Stable Approach for Routing Queries in Unstructured P2P Networks	2016
2	NWJ1602	iPath: Path Inference in Wireless Sensor Networks	2016
3	NWJ1603	Opportunistic Routing With Congestion Diversity in Wireless AdHoc Networks	2016
4	NWJ1604	Spatial Reusability-Aware Routing in Multi-Hop Wireless Networks	2016
5	NWJ1605	STAMP: Enabling Privacy-Preserving Location Proofs for Mobile Users	2016
6	NWJ1506	A Distortion-Resistant Routing Framework for Video Traffic in Wireless Multihop Networks	2015
7	NWJ1507	A Proximity-Aware Interest-Clustered P2P File Sharing System	2015
8	NWJ1508	Detecting Malicious Facebook Applications	2015
9	NWJ1509	Maximizing P2P File Access Availability in Mobile Ad Hoc Networks through Replication for Efficient File Sharing	2015
10	NWJ1410	Automatic Test Packet Generation	2014
11	NWJ1411	Cost-Effective Resource Allocation of Overlay Routing Relay Nodes	2014
12	NWJ1412	Boundary Cutting for Packet Classification	2014
13	NWJ1413	Secure Data Retrieval for Decentralized Disruption-Tolerant Military Networks	2014

SECURE COMPUTING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	SCJ1601	Contributory Broadcast Encryption with Efficient Encryption and Short Ciphertexts	2016
2	SCJ1602	Data Lineage in Malicious Environments	2016
3	SCJ1603	Detecting Malicious Facebook Applications	2016
4	SCJ1604	FRoDO: Fraud Resilient Device for Off-Line Micro-Payments	2016
5	SCJ1605	Inference Attack on Browsing History of Twitter Users using Public Click Analytics and Twitter Metadata	2016
6	SCJ1606	Resolving Multi-party Privacy Conflicts in Social Media	2016
6	SCJ1506	A Computational Dynamic Trust Model for User Authorization	2015
7	SCJ1507	A Lightweight Secure Scheme for Detecting Provenance Forgery and Packet Drop Attacks in Wireless Sensor Networks	2015
8	SCJ1508	Continuous and Transparent User Identity Verification for Secure Internet Services	2015
9	SCJ1509	Contributory Broadcast Encryption with Efficient Encryption and Short Ciphertexts	2015
10	SCJ1510	DDSGA: A Data-Driven Semi-Global Alignment Approach for Detecting Masquerade Attacks	2015
11	SCJ1511	Improved Privacy-Preserving P2P Multimedia Distribution Based on Recombined Fingerprints	2015
12	SCJ1512	Secure Data Aggregation Technique for Wireless Sensor Networks in the Presence of Collusion Attacks	2015
13	SCJ1513	Secure Spatial Top-k Query Processing via Untrusted Location-Based Service Providers	2015
14	SCJ1414	Captcha as Graphical Passwords—A New Security Primitive Based on Hard AI Problems	2014
15	SCJ1415	Efficient and Privacy-Aware Data Aggregation in Mobile Sensing	2014
16	SCJ1416	PROFILR: Toward Preserving Privacy and Functionality in Geosocial Networks	2014
17	SCJ1417	Top-k Query Result Completeness Verification in Tiered Sensor Networks	2014

PARALLEL AND DISTRIBUTED SYSTEMS

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	PDSJ1601	A Hop-by-Hop Routing Mechanism for Green Internet	2016
2	PDSJ1602	Continuous Answering Holistic Queries over Sensor Networks	2016
3	PDSJ1603	Dictionary Based Secure Provenance Compression for Wireless Sensor Networks	2016
4	PDSJ1604	The Server Provisioning Problem for Continuous Distributed Interactive Applications	2016

MOBILE COMPUTING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	MCJ1601	Energy and Memory Efficient Clone Detection in Wireless Sensor Networks	2016
2	MCJ1602	EPLQ: Efficient Privacy-Preserving Location-Based Query Over Outsourced Encrypted Data	2016
3	MCJ1603	Secure Overlay Routing Using Key Pre-Distribution: A Linear Distance Optimization Approach	2016
4	MCJ1604	Detecting Node Failures in Mobile Wireless Networks: A Probabilistic Approach	2016
5	MCJ1505	Dynamic Routing for Data Integrity and Delay Differentiated Services in Wireless Sensor Networks	2015
6	MCJ1506	Friendbook: A Semantic-Based Friend Recommendation System for Social Networks	2015
7	MCJ1507	Privacy-Preserving and Truthful Detection of Packet Dropping Attacks in Wireless Ad Hoc Networks	2015
8	MCJ1508	User-Defined Privacy Grid System for Continuous Location-Based Services	2015
9	MCJ1409	An Incentive Framework for Cellular Traffic Offloading	2014
10	MCJ1410	Cooperative Caching for Efficient Data Access in Disruption Tolerant Networks	2014
11	MCJ1411	Efficient Authentication for Mobile and Pervasive Computing	2014
12	MCJ1412	Friend book: A Semantic-based Friend Recommendation System for Social Networks	2014
13	MCJ1413	Optimal Distributed Malware Defense in Mobile Networks with Heterogeneous Devices	2014

IMAGE PROCESSING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	IPJ1601	A Locality Sensitive Low-Rank Model for Image Tag Completion	2016
2	IPJ1602	A Scalable Approach for Content-Based Image Retrieval in Peer-to-Peer Networks	2016
3	IPJ1603	Learning of Multimodal Representations with Random Walks on the Click Graph	2016
4	IPJ1604	Online Multi-Modal Distance Metric Learning with Application to Image Retrieval	2016
5	IPJ1605	Tag Based Image Search by Social Re-ranking	2016
6	IPJ1506	An Attribute-Assisted Reranking Model for Web Image Search	2015
7	IPJ1507	EMR: A Scalable Graph-based Ranking Model for Content-based Image Retrieval	2015
8	IPJ1508	Learning to Rank Image Tags With Limited Training Examples	2015

SOFTWARE TESTING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	SCJ1601	Mapping Bug Reports to Relevant Files: A Ranking Model, a Fine-Grained Benchmark, and Feature Evaluation	2016
2	SCJ1602	Metamorphic Testing for Software Quality Assessment: A Study of Search Engines	2016
3	SCJ1603	SITAR: GUI Test Script Repair	2016

INFORMATION FORENSICS AND SECURITY

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	IFJ1661	Hidden Ciphertext Policy Attribute-Based Encryption Under Standard Assumptions	2016
2	IFJ1662	Optimized Search-and-Compute Circuits and Their Application to Query Evaluation on Encrypted Data	2016
3	IFJ1663	Privacy-Preserving Utility Verification of the Data Published by Non-interactive Differentially Private Mechanisms	2016
4	IFJ1664	Profiling Online Social Behaviors for Compromised Account Detection	2016
5	IFJ1505	A Framework for Secure Computations with Two Non-Colluding Servers and Multiple Clients, Applied to Recommendations	2015
6	IFJ1506	Effective Key Management in Dynamic Wireless Sensor Networks	2015
7	IFJ1507	Key Updating for Leakage Resiliency with Application to AES Modes of Operation	2015
8	IFJ1508	Passive IP Traceback: Disclosing the Locations of IP Spoofers from Path Backscatter	2015
9	IFJ1509	Software Puzzle: A Countermeasure to Resource-Inflated Denialof- Service Attacks	2015

MULTIMEDIA

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	MUL1601	Social Friend Recommendation Based on Multiple Network Correlation	2016
2	MUL1602	User-Service Rating Prediction by Exploring Social Users' Rating Behaviors	2016

FUZZY SYSTEM

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
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1	FSJ1604	Answering Approximate Queries over XML Data	2016
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SERVICE COMPUTING

S.NO	PROJECT CODE	TITLE OF THE PAPER	YEAR
1	SRJ1501	Designing High Performance Web-Based Computing Services to Promote Telemedicine Database Management System	2015
2	SRJ1502	Location-Aware and Personalized Collaborative Filtering for Web Service Recommendation	2015
3	SRJ1403	Privacy-Enhanced Web Service Composition	2014
4	SRJ1404	Web Service Recommendation via Exploiting Location and QoS Information	2014