



# **SPIRO**

## **Solutions Pvt. Ltd**



- **Research & Development Program(RDP)**
- **Final Year Academic Project(FAP) in Software and Embedded Technologies**
- **Application Development Program(ADP)**

**PROJECT TITLES GUIDE**  
**2017-2018**

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## About Spiro

**Spiro Group of Companies South India's leading Research & Development Organization.** Over a decade, we are furnishing individuals in all technologies and domains by fulfilling their desires in Research & Development sector through efficient training methodologies. All our efforts are focused on students to meet industry requirements.

The global presence and reach attained by Spiro is not only substantiated by its presence, but also by the environment provided for the students. Since our environment is encapsulated with doctorates, professionals and other experts. Accordingly, we created a setting which enables student to recover from the existing learning processes and making them to be an intellect.

In our increasing globalization, Spiro moves forward to unite the desires of students and challenges of the future in R & D sector by improving the agility and enabling students to achieve sustainable growth over their rivalry. For future enhancement, industry based knowledge's are provided for students in various levels. To sum up, we are filling student necessities in all possible ways to make career brighter in their desired field.

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## BIGDATA

SNO	PROJECT CODE	TITLE	YEAR
1.	ITBD01	A Systematic Approach Toward Description and Classification of Cybercrime Incidents	2017
2.	ITBD02	Lifestyle segmentation based on energy consumption data	2017
3.	ITBD03	Patterns for Distributed Real-Time Stream Processing	2017
4.	ITBD04	Activity-Based Human Mobility Patterns Inferred from Mobile Phone Data: A Case Study of Singapore	2017
5.	ITBD05	Detecting and Analyzing Urban Regions with High Impact of Weather Change on Transport	2017
6.	ITBD06	Big Scholarly Data: A Survey	2017
7.	ITBD07	Visual Analysis of Multiple Route Choices Based on General GPS Trajectories	2017
8.	ITBD08	Modeling the Evolution of Users' Preferences and Social Links in Social Networking Services	2017
9.	ITBD09	User Vitality Ranking and Prediction in Social Networking Services: A Dynamic Network Perspective	2017
10.	ITBD10	A Sequential Approach to Market State Modeling and analysis in Online P2P Lending	2017
11.	ITBD11	Distributed Parallel PCA for Modeling and Monitoring of Large-scale Plant-wide Processes with Big Data	2017

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12.	ITBD12	Data-Driven Answer Selection in Community QA Systems System	2017
13.	ITBD13	Modeling and Learning Distributed Word Representation with Metadata for Question Retrieval	2017
14.	ITBD14	Dynamic Delay Predictions for Large-Scale Railway Networks: Deep and Shallow Extreme Learning Machines Tuned via Threshold out	2017
15.	ITBD15	Security-Aware Resource Allocation for Mobile Social Big Data: A Matching-Coalitional Game Solution	2017
16.	ITBD16	Mining Human Activity Patterns from Smart Home Big Data for Healthcare Applications	2017
17.	ITBD17	Public Interest Analysis Based on Implicit Feedback of IPTV Users	2017
18.	ITBD18	Online Similarity Learning for Big Data with Over fitting	2017
19.	ITBD19	Performance Evaluation and Optimization of Multi-dimensional Indexes in Hive	2017
20.	ITBD20	Content-aware Partial Compression for Textual Big Data Analysis in Hadoop	2017
21.	ITBD21	Satisficing game approach to collaborative decision making including airport management	2016
22.	ITBD22	Predicting Student Performance Using Personalized Analytics	2016
23.	ITBD23	Visual Exploration of Changes in Passenger Flows and Tweets on Mega-City Metro Network	2016

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24.	ITBD24	Personalized Travel Sequence Recommendation on Multi-Source Big Social Media	2016
25.	ITBD25	Clustering of Electricity Consumption Behavior Dynamics toward BigData Applications	2016
26.	ITBD26	Scientific Article Recommendation: Exploiting Common Author Relations and Historical Preferences	2016
27.	ITBD27	Feedback Autonomic Provisioning for Guaranteeing Performance in Map Reduce Systems	2016
28.	ITBD28	FiDooP-DP: Data Partitioning in Frequent Itemset Mining on Hadoop Clusters	2016
29.	ITBD29	A Guide to Climate Datasets: Summary and Research Challenges	2016
30.	ITBD30	H2Hadoop: Improving Hadoop Performance using the Metadata of Related Jobs	2016

## BIGDATA WITH EMBEDDED

31.	ITBDE01	RFID-based Production Data Analysis in an IOT-enabled Smart Job-shop	
32.	ITBDE02	Health-CPS: Healthcare Cyber-Physical System Assisted by Cloud and Big Data	
33.	ITBDE03	Attendance Analysis in Embedded with Big Data	
34.	ITBDE04	Smart Parking Data Analysis using Embedded with Big Data	
35.	ITBDE05	Detecting and Analyzing Urban Regions with High Impact of Weather data Analysis using Embedded with Big Data	

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36.	ITBDE06	Distributed Representation of Dish Names in Food Related Web Services for Associative Search and Nutrition Estimation	
37.	ITBDE07	Big Health Application System based on Health Internet of Things and Big Data	
38.	ITBDE08	Distributed Big Data Management in Smart Grid	
39.	ITBDE09	A Value-oriented Model of Big Data-Driven Knowledge Management and Collaborative Services: A Meteorological Service Case	
40.	ITBDE010	Human Activity from Smart Home Embedded for Healthcare Applications	

## ANDROID

41.	ITAD01	A Practical System for Privacy-Aware Targeted Mobile Advertising Services	2017
42.	ITAD02	Characterizing Privacy Risks of Mobile Apps with Sensitivity Analysis	2017
43.	ITAD03	Atrial Fibrillation Detection via Accelerometer and Gyroscope of a Smartphone	2017
44.	ITAD04	Mobile Contextual Recommender System for Online Social Media	2017
45.	ITAD05	Construction and Mitigation of User-Behavior-Based Covert Channels on Smartphones	2017
46.	ITAD06	Personal Privacy Protection Framework Based on Hidden Technology for Smartphones	2017
47.	ITAD07	Demand-Based Computation Offloading Framework for Mobile Devices	2017
48.	ITAD08	Towards Model Checking Android Application	2017

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49.	ITAD09	Security Semantics Modeling with Progressive Distillation	2017
50.	ITAD10	Smoothed Graphic User Interaction on Smart phones With Motion Prediction	2017
51.	ITAD11	Socially-Driven Learning-Based Prefetching in Mobile Online Social Networks	2017
52.	ITAD12	The Value of Cooperation: Minimizing User Costs in Multi-broker Mobile Cloud Computing Networks	2017
53.	ITAD13	A Lightweight Secure Data Sharing Scheme for Mobile Cloud Computing	2017
54.	ITAD14	Towards Reaching Human Performance in Pedestrian Detection System	2017
55.	ITAD15	Mobile Cloud-Based Big Healthcare Data Processing in Smart Cities	2017
56.	ITAD16	Social Sensor Based Online Attention Computing of Public Safety Events	2017
57.	ITAD17	Privacy-Preserving Data Encryption Strategy for Big Data in Mobile Cloud Computing	2017
58.	ITAD18	Towards Secure Data Distribution Systems in Mobile Cloud Computing	2017
59.	ITAD19	Privacy-Preserving Fine-Grained Data Retrieval Schemes For Mobile Social Networks	2017
60.	ITAD20	Attribute-Based Storage Supporting Secure De-duplication of Encrypted Data in Cloud	2017
61.	ITAD21	A Scalable Approach to Joint Cyber Insurance	2017

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		and Security-as-a-Service Provisioning in Cloud Computing	
62.	ITAD22	Multitenant Access Control for Cloud-Aware Distributed File systems	2017
63.	ITAD23	Energy Efficient Hierarchical Resource Management for Mobile Cloud Computing	2017
64.	ITAD24	Privacy-preserving schemes for Ad Hoc Social Networks: A survey	2017
65.	ITAD25	Private Zone: Providing a Private Execution Environment using ARM Trust Zone	2017
66.	ITAD26	Minimum-Cost Crowd sourcing with Coverage Guarantee in Mobile Opportunistic D2D Networks	2017
67.	ITAD27	Understanding Diverse Usage Patterns from Large-Scale Appstore-Service Profiles	2017
68.	ITAD28	Protecting Location Privacy for Task Allocation in Ad Hoc Mobile Cloud Computing	2017
69.	ITAD29	An Examination of the Current Rating System used in Mobile App Stores	2017
70.	ITAD30	Characterizing Privacy Risks of Mobile Apps with Sensitivity Analysis	2017
71.	ITAD31	One-Round Privacy-Preserving Meeting Location Determination for Smartphone Applications	2016
72.	ITAD32	Inverted Linear Quad tree: Efficient Top K Spatial Keyword Search	2016
73.	ITAD33	Two-Factor Data Security Protection Mechanism for Cloud Storage System	2016

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74.	ITAD34	Semantic way approach in smart phone for Malicious Application Detection	2016
75.	ITAD35	Developing Dependable and Secure Cloud Applications	2016
76.	ITAD36	Conflict-Aware Event-Participant Arrangement and Its Variant for Online Setting	2016
77.	ITAD37	Seeing Is Believing: Sharing Real-time Visual Traffic Information via Vehicular Clouds	2016
78.	ITAD38	Privacy Protection for Preventing Data Over-Collection in Smart City	2016
79.	ITAD39	Encrypted Data Management with Deduplication in Cloud Computing	2016
80.	ITAD40	Predicting Instructor Performance Using Data Mining Techniques in Higher Education	2016
81.	ITAD41	Smartphone-based Human Fall Detection System	2016
82.	ITAD42	AMTS: Adaptive Multi-Objective Task Scheduling Strategy in Cloud Computing	2016
83.	ITAD43	Real-Time Charging Station Recommendation System for Electric-Vehicle Taxis	2016
84.	ITAD44	Energy-efficient Adaptive Resource Management for Real-time Vehicular Cloud Services	2016
85.	ITAD45	An Energy-Efficient Train Control Framework for Smart Railway Transportation	2016
86.	ITAD6	Efficient and Privacy-preserving Polygons Spatial Query Framework for Location-based Services	2016

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87.	ITAD47	SecRBAC: Secure data in the Clouds	2016
88.	ITAD48	A Survey on Trajectory Data Mining: Techniques and Applications	2016
89.	ITAD49	An Online Mechanism for Resource Allocation and Pricing in Clouds	2016
90.	ITAD50	A Debate and Decision-Making Tool for Enhanced Learning	2016
91.	ITAD51	Modeling and Analysis of Ward Patient Rescue Process on the Hospital Floor	2016
92.	ITAD52	Service Rating Prediction by Exploring Social Mobile Users Geographical Locations	2016
93.	ITAD53	Mobile Medical Data Synchronization on Cloud-Powered Middleware Platform	2016
94.	ITAD54	Fake Mask: A Novel Privacy Preserving Approach for Smart phones	2016
95.	ITAD55	Privacy-Preserving Location Sharing Services for Social Networks	2016
96.	ITAD56	Two level QR code for private message sharing and document authentication	2016
97.	ITAD57	A Two-Layer Model For Taxi Customer Searching Behaviors Using GPS Trajectory Data	2016
98.	ITAD58	Vehicle Localization and Velocity Estimation Based on Mobile Phone Sensing	2016
99.	ITAD59	Drive Now, Text Later: Nonintrusive Texting-while-Driving Detection using Smart phones	2016
100.	ITAD60	Evaluating the Effects of Scripted Distributed Pair Programming on Student Performance and Participation	2016

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102.	ITADE02	I-Am: Implicitly Authenticate Me Person Authentication on Mobile Devices through Ear Shape and Arm Gesture	2017
103.	ITADE03	Mine Detecting Robot Prototyping	2017
104.	ITADE04	IOT Based Smart Garbage alert system using Arduino UNO	2017
105.	ITADE05	Real-time Face Detection and Tracking on Mobile Phones for Criminal Detection	2017
106.	ITADE06	Blind Aid Stick: Hurdle Recognition, Simulated Perception, Android Integrated Voice Based Co-operation via GPS Along With Panic Alert System.	2017
107.	ITADE07	An Android-Based Mechanism for Energy Efficient Localization Depending on Indoor/Outdoor Context	2017
108.	ITADE08	Motion Analysis in Vocalized Surprise Expressions and Motion Generation in Android Robots	2017
109.	ITADE09	Flow Anomaly Based Intrusion Detection System for Android Mobile Devices	2017
110.	ITADE10	On Ad Library Updates in Android Apps	2017
111.	ITADE11	Ubiquitous Tracking Using Motion and Location Sensor with Application to Smartphone	2017
112.	ITADE12	Campus Sense - A Smart Vehicle Parking Monitoring and Management System using ANPR Cameras and Android Phones	2017
113.	ITADE13	An RFID based Smartphone Proximity Absence Alert System	2017
114.	ITADE14	The Use of Mobile Technology on the Example	2017

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115.	ITADE15	Campus Sense - A Smart Vehicle Parking Monitoring and Management System using ANPR Cameras and Android Phones	2017
<b>JAVA</b>			
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116.	ITJCC01	Nebula: Distributed Edge Cloud for Data Intensive Computing	2017
117.	ITJCC02	A semi-automatic and trustworthy scheme for continuous cloud service certification	2017
118.	ITJCC03	Attribute-Based Storage Supporting Secure DE duplication of Encrypted Data in Cloud	2017
119.	ITJCC04	Empirical Analysis and Validation of Security Alerts Filtering Techniques	2017
120.	ITJCC05	Dynamic Outsourced Auditing Services for Cloud Storage Based on Batch-Leaves-Authenticated Merkle Hash Tree	2017
121.	ITJCC06	Using imbalance characteristic for fault-tolerant workflow scheduling in Cloud systems	2017
122.	ITJCC07	Secure k-NN Query on Encrypted Cloud Data with Multiple Keys	2017
123.	ITJCC08	Resource renting for periodical cloud workflow applications	2017
124.	ITJCC09	A Secure and Verifiable Access Control Scheme for Big Data Storage in Clouds	2017
125.	ITJCC10	Practical Privacy-Preserving Content-Based	2017

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126.	ITJCC11	Publicly Verifiable Boolean Query over Outsourced Encrypted Data	2017
127.	ITJCC12	Scheduling for Workflows with Security-Sensitive Intermediate Data by Selective Tasks Duplication in Clouds	2017
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129.	ITJCC14	Synergy: A Hypervisor Managed Holistic Caching System	2017
130.	ITJCC15	NPP: A New Privacy-Aware Public Auditing Scheme for Cloud Data Sharing with Group Users	2017
131.	ITJCC16	VOD-ADAC: Anonymous Distributed Fine-Grained Access Control Protocol with Verifiable Outsourced Decryption in Public Cloud	2017
132.	ITJCC17	Virtual Machine Migration Planning in Software-Defined Networks	2017
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136.	ITJCC21	Cryptoleq: A Heterogeneous Abstract Machine for Encrypted and Unencrypted Computation	2016
137.	ITJCC22	RepCloud: Attesting to Cloud Service Dependency	2016

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139.	ITJCC24	Identity-Based Proxy-Oriented Data Uploading and Remote Data Integrity Checking in Public Cloud	2016
140.	ITJCC25	SCLPV: Secure Certificate less Public Verification for Cloud-Based Cyber-Physical-Social Systems against Malicious Auditors	2016
141.	ITJCC26	Self-Tuning Service Provisioning for Decentralized Cloud Applications	2016
142.	ITJCC27	DeyPoS: Deduplicatable Dynamic Proof of Storage for Multi-User Environments	2016
143.	ITJCC28	Dual-Server Public-Key Encryption with Keyword Search for Secure Cloud Storage	2016
144.	ITJCC29	Protecting Your Right: Verifiable Attribute-based Keyword Search with Fine-grained Owner-enforced Search Authorization in the Cloud	2016
145.	ITJCC30	A Protocol for Preventing Insider Attacks in Untrusted Infrastructure-as-a-Service Clouds	2016
146.	ITJCC31	Cloud workflow scheduling with deadlines and time slot availability	2016
147.	ITJCC32	Automatically Enforcing Security SLAs in the Cloud	2016
148.	ITJCC33	Flexible and Fine-Grained Attribute-Based Data Storage in Cloud Computing	2016
149.	ITJCC34	Secure Data Sharing in Cloud Computing Using Revocable-Storage Identity-Based Encryption	2016

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151.	ITJCC36	Cloud Armor: Supporting Reputation-based Trust Management for Cloud Services	2016
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153.	ITJCC38	DROPS: Division and Replication of Data in Cloud for Optimal Performance and Security	2015
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155.	ITJCC40	Identity-Based Distributed Provable Data Possession in Multicloud Storage	2015
156.	ITJCC41	An Intelligent Economic Approach for Dynamic Resource Allocation in Cloud Services	2015
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161.	ITJCC46	Agent-based Interactions and Economic Encounters in an Intelligent Inter Cloud	2015

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162.	ITJCC47	SeDaSC: Secure Data Sharing in Clouds	2015
163.	ITJCC48	T-broker: A Trust-aware Service Brokering Scheme for Multiple Cloud Collaborative Services	2015
164.	ITJCC49	A Secure and Dynamic Multi-keyword Ranked Search Scheme over Encrypted Cloud Data	2015
165.	ITJCC50	Identity-Based Encryption with Outsourced Revocation in Cloud Computing	2015
<b>IEEE TRANSACTION ON DATA MINING</b>			
166.	ITJDM01	Supervised and Unsupervised Aspect Category Detection for Sentiment Analysis with Co-Occurrence Data	2017
167.	ITJDM02	Design and Implementation of an RFID-Based Customer Shopping Behavior Mining System	2017
168.	ITJDM03	A Natural Language Processing Framework for Assessing Hospital Readmissions for Patients with COPD	2017
169.	ITJDM04	Event Detection and User Interest Discovering in Social Media Data Streams	2017
170.	ITJDM05	Approaches to Cross-Domain Sentiment Analysis: A Systematic Literature Review	2017
171.	ITJDM06	Building and Querying an Enterprise Knowledge Graph	2017
172.	ITJDM07	A Novel Variable Precision Reduction Approach to Comprehensive Knowledge Systems	2017

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173.	ITJDM08	Multi-Target Regression via Robust Low-Rank Learning	2017
174.	ITJDM09	New Splitting Criteria for Decision Trees in Stationary Data Streams	2017
175.	ITJDM10	Systematic Review on Educational Data Mining	2017
176.	ITJDM11	Mining Human Activity Patterns from Smart Home Big Data for Healthcare Applications	2017
177.	ITJDM12	Random Forest Classifier for Zero-Shot Learning Based on Relative Attribute	2017
178.	ITJDM13	Scientific Workflow Mining in Clouds	2017
179.	ITJDM14	Mining Competitors from Large Unstructured Datasets	2017
180.	ITJDM15	Mining Online Discussion Data for Understanding Teachers' Reflective Thinking	2017
181.	ITJDM16	Privacy-Preserving Utility Verification of the Data Published by Non-interactive Differentially Private Mechanisms	2016
182.	ITJDM17	Bi-level Feature Extraction-Based Text Mining for Fault Diagnosis of Railway Systems	2016
183.	ITJDM18	Integration of Personalized Healthcare Pathways In An ICT Platform For Diabetes Management: A Small Scale Exploratory Study	2016
184.	ITJDM19	Learning Proximity Relations for Feature Selection	2016
185.	ITJDM20	Multi-Modal Event Topic Model for Social Event Analysis	2016

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186.	ITJDM21	Microblog Dimensionality Reduction– a Deep learning Approach	2016
187.	ITJDM22	Fine-Grained Image Classification via Low-Rank Sparse Coding With General and Class-Specific Codebooks	2016
188.	ITJDM23	Irregular indeterminate repeated facts in Temporal Relational Databases	2016
189.	ITJDM24	Survey on Aspect Level Sentiment Analysis	2016
190.	ITJDM25	Unsupervised Many-to-Many Object Matching for Relational Data	2016
191.	ITJDM26	User Recommender System Based on Knowledge, Availability, and Reputation From Interactions in Forums	2016
192.	ITJDM27	Assessing anti-depressants using intelligent data monitoring and mining of online fora	2016
193.	ITJDM28	Privacy-Preserving Patient-Centric Clinical Decision Support System on Naive Bayesian Classification	2016
194.	ITJDM29	k-Nearest Neighbor Classification over Semantically Secure Encrypted Relational Data	2015
195.	ITJDM30	Dual Sentiment Analysis: Considering Two Sides of One 2015 Review	2015
196.	ITJDM31	Real-Time City-Scale Taxi Ridesharing	2015
197.	ITJDM32	Relevance Feature Discovery for Text Mining	2015
198.	ITJDM33	RRW—A Robust and Reversible Water marking Technique for Relational Data	2015
199.	ITJDM34	An Internal Intrusion Detection and Protection System by Using Data Mining and Forensic Techniques	2015

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200.	ITJDM35	Relational Collaborative Topic Regression for Recommender Systems	2015
201.	ITJDM36	A Novel Data-Mining Approach Leveraging Social Media to Monitor Consumer Opinion of Sitagliptin	2015
202.	ITJDM37	Malware Propagation in Large-Scale Networks	2015
203.	ITJDM38	Understanding User Intents in Online Health Forums	2015
204.	ITJDM39	A Query Approach for Influence Maximization on Specific Users in Social Networks	2015
205.	ITJDM40	Differentially Private Frequent Item set Mining via Transaction Splitting	2015
205.	ITJDM41	Learning to Rank Using User Clicks and Visual Features for Image Retrieval	2015
206.	ITJDM41	TRIP: An Interactive Retrieving-Infering Data Imputation Approach	2015

## IEEE TRANSACTION ON NETWORKING

207.	ITJNW01	Capability-Based Security Enforcement In Named Data Networking	2017
208.	ITJNW02	Distributed Observer-Based Cyber-Security Control of Complex Dynamical Networks	2017
209.	ITJNW03	Performance and Security Analyses of Onion-Based Anonymous Routing for Delay Tolerant Networks	2017
210.	ITJNW04	An Efficient Online Algorithm for Dynamic SDN Controller Assignment in Data Center Networks	2017
211.	ITJNW05	Privacy-Aware Caching in Information-Centric Networking	2017
212.	ITJNW06	On the Maximum Rate of Networked Computation in a Capacitated Network	2017
213.	ITJNW07	Cooperative Global Robust Output	2017

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		Regulation for Nonlinear Output Feedback Multi-Agent Systems under Directed Switching Networks	
214.	ITJNW08	DDos Attacks with Randomized Traffic Innovation: Botnet Identification Challenges and Strategies	2017
215.	ITJNW09	Optimal control of linear systems with limited control actions: threshold-based event-triggered control	2017
216.	ITJNW10	Adaptively Secure Broadcast Encryption With Constant Cipher texts	2016
217.	ITJNW11	Contributory Broadcast Encryption with Efficient Encryption and Short Cipher texts	2016
218.	ITJNW12	Attribute-based Access Control for ICN Naming Scheme	2016
219.	ITJNW13	A Survey of Man In The Middle Attacks	2016
220.	ITJNW14	Resolving Multi-party Privacy Conflicts in Social Media	2016
221.	ITJNW15	Private and Verifiable Inter domain Routing Decisions	2016
222.	ITJNW16	LIVE:LightweightIntegrityVerificationandContentAccessControlforNamedData Networking	2015
223.	ITJNW17	ASN: A Dynamic Barrier-Based Approach to 2015 114 Confirmation of Deadlocks from Warnings for Large- Scale Multithreaded Programs	2015
224.	ITJNW18	Software Puzzle: A Counter measure to Resource-Inflated Denial-of-Service Attacks	2015
225.	ITJNW19	ContributoryBroadcastEncryptionwithEfficient EncryptionandShortCipher-texts	2015
226.	ITJNW20	Reputation Aggregation in Peer-to-Peer Network Using Differential Gossip Algorithm	2015

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227.	ITJNW21	Vote Trust: Leveraging Friend Invitation Graph to Defend against Social Network Sybil's	2015
228.	ITJNW22	Authenticated Key Exchange Protocols for Parallel Network File Systems	2015
229.	ITJNW23	Secure Data Retrieval for Decentralized Disruption Tolerant Military Networks	2015
230.	ITJNW24	A Model Approach to the Estimation of Peer-to-Peer Traffic Matrices	2015
231.	ITJNW25	Network Aware Scheduling for Virtual Machine Workloads with Interference Models	2015
<b>IEEE TRANSACTION ON NETWORK SECURITY</b>			
232.	ITJNS01	Towards Optimal Connectivity on Multi-layered Networks	2017
233.	ITJNS02	Uncertain Data Clustering in Distributed Peer-to-Peer Networks	2017
234.	ITJNS03	A Secure and Practical Authentication Scheme Using Personal Devices	2017
235.	ITJNS04	Full Verifiability for Outsourced Decryption in Attribute Based Encryption	2017
236.	ITJNS05	LOMCF: Forwarding and Caching in Named Data Networking based MANETs	2017
237.	ITJNS06	Probability of Partially Decoding Network-Coded Messages	2017
238.	ITJNS07	Towards Accurate Statistical Analysis of Security Margins: New Searching Strategies for Differential Attacks	2017
239.	ITJNS08	Capacitated Next Controller Placement in Software Defined Networks	2017
240.	ITJNS09	Knowledge Guided Hierarchical Multi-Label Classification over Ticket Data	2017

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241.	ITJNS10	Local Community Mining on Distributed and Dynamic Networks From a Multi agent Perspective	2016
242.	ITJNS11	Private Over-threshold Aggregation Protocols over Distributed Datasets	2016
243.	ITJNS12	Data Lineage in Malicious Environments	2016
244.	ITJNS13	Risk Assessment in Social Networks based on User Anomalous Behaviors	2016
245.	ITJNS14	PROVEST: Provenance-based Trust Model for Delay Tolerant Networks	2016
246.	ITJNS15	Botnet Detection based on Anomaly and Community Detection	2016
247.	ITJNS16	Improving Privacy and Security in Decentralized Cipher-text Policy Attribute-Based Encryption	2015
<b>IEEE TRANSACTION ON MOBILE COMPUTING</b>			
249.	ITJMC01	Towards Secure Data Distribution Systems in Mobile Cloud Computing	2017
250.	ITJMC02	Social Network De-Anonymization Under Scale-Free User Relations	2016
251.	ITJMC03	On-the-Fly Nearest Shelter Computation in Event Dependent Spatial Networks in Disasters	2016
252.	ITJMC04	Maximizing P2P File Access Availability in Mobile Ad-Hoc Networks through Replication for Efficient File Sharing	2015
253.	ITJMC05	Towards Maximizing Timely Content Delivery in Delay Tolerant Networks	2015
254.	ITJMC06	Relay-assisted Multiple Access with Full-duplex Multi-Packet Reception	2015
255.	ITJMC07	Defending Against Collaborative Attacks by	2015

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		Malicious Nodes in MANETs: A Cooperative Bait Detection Approach	
256.	ITJMC08	Joint Virtual MIMO and Data Gathering for Wireless Sensor Networks	2015
<b>IEEE TRANSACTION ON IMAGE PROCESSING</b>			
257.	ITJIM01	Gaussian Process Domain Experts for Modeling of Facial Affect	2017
258.	ITJIM02	Geometry and Radiometry Invariant Matched Manifold Detection	2017
259.	ITJIM03	Piecewise linear approximation of vector-valued images and curves via 2nd-order variation model	2017
260.	ITJIM04	Rank Based Image Watermarking Method With High Embedding Capacity and Robustness	2016
261.	ITJIM05	Real-time Semantic Search using Approximate Methodology for Large-scale Storage Systems	2016
262.	ITJIM06	Online Multi-modal Distance Metric Learning with Application to Image Retrieval	2016
263.	ITJIM07	On the Security of Permutation-Only Image Encryption Schemes	2016
264.	ITJIM08	Low-Complexity Multiclass Encryption by Compressed Sensing	2015
265.	ITJIM09	Semantic Sparse Recoding of Visual Content for Image Applications	2015
266.	ITJIM10	High Capacity Reversible Data Hiding in 2015 Encrypted Images by Patch-Level Sparse Representation	2015
267.	ITJIM11	Steganography Using Reversible Texture Synthesis	2015
<b>IEEE TRANSACTION ON SOFTWARE ENGINEERING</b>			
268.	ITJSW01	A Feature-based Classification of Model	2017

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		Repair Approaches	
269.	ITJSW02	The Work Life of Developers: Activities, Switches and Perceived Productivity	2017
270.	ITJSW03	Synchronizing Files from a Large Number of Insertions and Deletions	2016
271.	ITJSW04	Automatic Source Code Summarization of Context for Java Methods	2016
272.	ITJSW05	INSPIRE: A Framework for Incremental Spatial Prefix Query Relaxation	2015
273.	ITJSW06	Discovery of Ranking Fraud for Mobile Apps	2015
274.	ITJSW07	Extracting Development Tasks to Navigate Software Documentation	2015
<b>IEEE TRANSACTION ON MULTIMEDIA</b>			
275.	ITJMM01	Overlapping Community Detection for Multimedia Social Networks	2017
276.	ITJMM02	Democratic Diffusion Aggregation for Image Retrieval	2016
277.	ITJMM03	A Locality Sensitive Low-Rank Model for Image Tag Completion	2016
278.	ITJMM04	Image Search Re-ranking With Hierarchical Topic Awareness	2015
279.	ITJMM05	Query Difficulty Estimation for Image Search With Query Reconstruction Error	2015
280.	ITJMM06	Learning Consistent Feature Representation for Cross-Modal Multimedia Retrieval	2015
281.	ITJMM07	Uniform Embedding For Efficient JPEG Steganography	2015
<b>JAVA WITH EMBEDDED</b>			
282.	ITJEM01	VitalLogger: An Adaptable Wearable Physiology and Body-Area Ambiance Data	

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		Logger for Mobile Applications	
283.	ITJEM02	Java Enterprise Wide Application for Clinical Databases	
284.	ITJEM03	Integrated Battery-Electric Vehicle Model and Its Optimal Speed Control Application	
285.	ITJEM04	Development of an Automotive Scanner for Educational Application	
286.	ITJEM05	Fog Computing Micro Datacenter Based Dynamic Resource Estimation and Pricing Model for IoT	
287.	ITJEM06	Development of a Credible and Integrated Electronic Voting Machine Based on Contactless IC Cards, Biometric Fingerprint Credentials and POS Printer	
288.	ITJEM07	On the Use of Radio Frequency Identification for Continuous Biomedical Monitoring	
289.	ITJEM08	Developing a Java based RFID application to automate student attendance monitoring	
290.	ITJEM09	Big Health Application System based on Health Internet of Things and Big Data	
291.	ITJEM10	Controlling Children-Toy Tank by Using Image Processing Technique	

## DOTNET

### CLLOUD COMPUTING

291.	ITDCC01	A New Cloud Service Mechanism for Profit Optimizations of a Cloud Provider and Its Users	2017
292.	ITDCC02	Cloudy Knapsack Algorithm for Offloading Tasks from Large Scale Distributed Applications	2017

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293.	ITDCC03	Secure k-NN Query on Encrypted Cloud Data with Multiple Keys	2017
294.	ITDCC04	Optimal Cloud Computing Resource Allocation for Demand Side Management in Smart Grid	2017
295.	ITDCC05	Two-Aggregator Topology Optimization using Multiple Paths in Data Center Networks	2017
296.	ITDCC06	Stackelberg Game for Energy-aware Resource Allocation to Sustain Data Centers Using RES	2017
297.	ITDCC07	Dynamic Cloud Task Scheduling Based on a Two-Stage Strategy	2017
298.	ITDCC08	Fast Phrase Search for Encrypted Cloud Storage	2017
299.	ITDCC09	PaaS-IaaS Inter-Layer Adaptation in an Energy-Aware Cloud Environment	2017
300.	ITDCC10	Learn to Play Maximum Revenue Auction	2017
301.	ITDCC11	A Privacy Mechanism for Access Controlled Graph Data	2017
302.	ITDCC12	Flexible Wildcard Searchable Encryption System	2017
303.	ITDCC13	Data Replication and Virtual Machine Migrations to Mitigate Network Overhead in Edge Computing Systems	2017
304.	ITDCC14	Pragmatic valuation and support of safety signals Filtering techniques	2017
305.	ITDCC15	Heterogeneous Data Storage Management with De-duplication in Cloud Computing	2017

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306.	ITDCC16	Full Verifiability for Outsourced Decryption in Attribute Based Encryption	2017
307.	ITDCC17	Adaptive Cloud Deployment Using Persistence Strategies and Application Awareness	2017
308.	ITDCC18	Fuzzy Identity-Based Data Integrity Auditing for Reliable Cloud Storage Systems	2017
309.	ITDCC19	Attribute-Based Data Sharing Scheme Revisited in Cloud Computing	2016
310.	ITDCC20	Systematic Data Placement Optimization in Multi-Cloud Storage for Complex Requirements	2016
311.	ITDCC21	Achieving Simple, Secure and Efficient Hierarchical Access Control in Cloud Computing	2016
312.	ITDCC22	Enabling Cloud Storage Auditing With Verifiable Outsourcing of Key Updates	2016
313.	ITDCC23	Providing User Security Guarantees in Public Infrastructure Clouds	2016
314.	ITDCC24	PHE: An Efficient Traitor Tracing and Revocation for Encrypted File Syncing-and-Sharing in Cloud	2016
315.	ITDCC25	TMACS: A Robust and Verifiable Threshold Multi-Authority Access Control System in Public Cloud Storage	2016
316.	ITDCC26	Monetary Cost Optimizations for Hosting Workflow-as-a-Service in IaaS Clouds	2016
317.	ITDCC27	Secure Data De-duplication with Dynamic	2016

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		Ownership Management in Cloud Storage	
318.	ITDCC28	Workflow Scheduling in Multi-Tenant Cloud Computing Environments	2016
319.	ITDCC29	Probabilistic Optimization of Resource Distribution and Encryption for Data Storage in the Cloud	2016
320.	ITDCC30	Auto Elastic: Automatic Resource Elasticity for High Performance Applications in the Cloud	2016
321.	ITDCC31	A Survey of Proxy Re-Encryption for Secure Data Sharing in Cloud Computing	2016
322.	ITDCC32	Malware Detection in Cloud Computing Infrastructures	2016
323.	ITDCC33	Packet Cloud: a Cloudlet-based Open Platform for In-network Services	2016
324.	ITDCC34	KSF-OABE: Outsourced Attribute-Based Encryption with Keyword Search Function for Cloud Storage	2016
325.	ITDCC35	An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing	2016
326.	ITDCC36	Identity-Based Encryption with Cloud Revocation Authority and Its Applications	2016
327.	ITDCC37	Online Resource Scheduling Under Concave Pricing for Cloud Computing	2016
328.	ITDCC38	Skyline Discovery and Composition of Multi-Cloud Smashup Services	2016
<b>DATA MINING</b>			
329.	ITDDM01	Reducing Uncertainty of Probabilistic Top-k Ranking via Pairwise Crowd sourcing	2017

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330.	ITDDM02	An Approach for Building Efficient and Accurate Social Recommender Systems using Individual Relationship Networks	2017
331.	ITDDM03	A Probabilistic Model of Social Working Memory for Information Retrieval in Social Interactions	2017
332.	ITDDM04	Gracker: A Graph-based Planar Object Tracker	2017
333.	ITDDM05	Query Expansion with Enriched User Profiles for Personalized Search Utilizing Folksonomy Data	2017
334.	ITDDM06	A New Methodology for Mining Frequent Item sets on Temporal Data	2017
335.	ITDDM07	Efficient High Utility Pattern Mining for Establishing Manufacturing Plans with Sliding Window Control	2017
336.	ITDDM08	Information Seeking in Online Healthcare Communities: The Dual Influence From Social Self and Personal Self	2017
337.	ITDDM09	Joint Alignment of Multiple Point Sets with Batch and Incremental Expectation-Maximization	2017
338.	ITDDM10	Predicting Social Emotions from Readers' Perspective	2017
339.	ITDDM11	Efficient Keyword-aware Representative Travel Route Recommendation	2017
340.	ITDDM12	Public Interest Analysis Based on Implicit Feedback of IPTV Users	2017

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341.	ITDDM13	Uncertain Data Clustering in Distributed Peer-to-Peer Networks	2017
342.	ITDDM14	Adaptively Exploring Population Mobility Patterns in Flow Visualization	2017
343.	ITDDM15	Mining Fashion Outfit Composition Using an End-to-End Deep Learning Approach on Set Data	2017
344.	ITDDM16	On the Privacy and Performance of Mobile Anonymous Microblogging	2016
345.	ITDDM17	Aspect-level Influence Discovery from Graphs	2016
346.	ITDDM18	User Preference Learning for Online Social Recommendation	2016
347.	ITDDM19	Microblogging Content Propagation Modeling Using Topic-specific Behavioral Factors	2016
348.	ITDDM20	Privacy-Preserving Outsourced Association Rule Mining on Vertically Partitioned Databases	2016
349.	ITDDM21	Pattern Based Sequence Classification	2016
350.	ITDDM22	Mining Health Examination Records— A Graph based Approach	2016
351.	ITDDM23	Privacy-Preserving and Regular Language Search over Encrypted Cloud Data	2016
352.	ITDDM24	An Efficient Privacy-Preserving Ranked Keyword Search Method	2016
353.	ITDDM25	A Recommendation System to Facilitate Business Process Modeling	2016
354.	ITDDM26	A Mixed Generative-Discriminative Based	

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		Hashing Method	2016
355.	ITDDM27	Listwise Learning to Rank by Exploring Structure of Objects	2016
356.	ITDDM28	Rating Prediction based on Social Sentiment from Textual Reviews	2016
357.	ITDDM29	A Novel Recommendation Model Regularized with User Trust and Item Ratings	2016
358.	ITDDM30	Connecting Social Media to E-Commerce: Cold-Start Product Recommendation using Micro blogging Information	2016
<b>NETWORKING</b>			
359.	ITDNW01	Wormhole: The Hidden Virus Propagation Power of a Search Engine in Social Networks	2017
360.	ITDNW02	Congestion Control for Background Data Transfers With Minimal Delay Impact	2017
361.	ITDNW03	Transient Community Detection and Its Application to Data Forwarding in Delay Tolerant Networks	2017
362.	ITDNW04	A Statistical Exploration of Protocol Adoption	2017
363.	ITDNW05	No Packet Left Behind: Avoiding Starvation in Dynamic Topologies	2017
364.	ITDNW06	Green Virtualization for Multiple Collaborative Cellular Operators	2017
365.	ITDNW07	DORE: An Experimental Framework to Enable Outband D2D Relay in Cellular Networks	2017
366.	ITDNW08	Congestion Control for Web Real-Time Communication	2017
367.	ITDNW10	STARS Computing Corps: Enhancing Engagement of Underrepresented Students and Building Community in Computing	2016

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368.	ITDNW11	Secure Transmission Against Pilot Spoofing Attack: A Two-Way Training-Based Scheme	2016
369.	ITDNW12	A Feasible IP Traceback Framework through Dynamic Deterministic Packet Marking	2016
370.	ITDNW13	Simultaneously Generating Secret and Private Keys in a Cooperative Pairwise Independent Network	2016
371.	ITDNW14	Trust-distortion Resistant Trust Management Frameworks on Mobile Ad hoc Networks: A Survey	2016
372.	ITDNW15	Sociality-aided new adaptive infection recovery schemes for multicast DTNs	2016
373.	ITDNW16	Sustainability of Service Provisioning Systems under Stealth DoS Attacks	2016
<b>NETWORK SECURITY</b>			
374.	ITDNS01	Further Improving Efficiency of Higher-Order Masking Schemes by Decreasing Randomness Complexity	2017
375.	ITDNS02	Network-Based Modeling for Characterizing Human Collective Behaviors During Extreme Events	2017
376.	ITDNS03	Protecting Secret Key Generation Systems Against Jamming: Energy Harvesting and Channel Hopping Approaches	2017
377.	ITDNS04	Someone in Your Contact List: Cued Recall-Based Textual Passwords	2017
378.	ITDNS05	A Game-Theoretic Analysis of Adversarial Classification	2017
379.	ITDNS06	A New Rule for Cost Reassignment in Adaptive Steganography	2017
380.	ITDNS07	On the Maximum Rate of Networked	2017

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		Computation in a Capacitated Network	
381.	ITDNS08	Detecting Malicious Facebook Applications	2016
382.	ITDNS09	Reversible Data Hiding: Advances in the Past Two Decade	2016
383.	ITDNS10	An Efficient Privacy-Preserving Outsourced Calculation Toolkits with Multiple Keys	2016
384.	ITDNS11	Conjunctive Keyword Search with Designated Tester and Timing Enabled Proxy Re-encryption Function for E-health Clouds	2016
385.	ITDNS12	Efficient Anonymous Message Submission	2016
386.	ITDNS13	Personalized Influential Topic Search via Social Network Summarization	2016
387.	ITDNS14	Profiling Online Social Behaviors for Compromised Account Detection	2016
<b>MOBILE COMPUTING</b>			
388.	ITDMC01	Data Quality Guided Incentive Mechanism Design for Crowd sensing	2017
389.	ITDMC02	Temporal Correlation of Interference and Outage in Mobile Networks over One-Dimensional Finite Regions	2017
390.	ITDMC03	Optimal Capacity-Delay Tradeoff in MANETs with Correlation of Node Mobility	2016
391.	ITDMC04	Towards Information Diffusion in Mobile Social Networks	2016
392.	ITDMC05	A Context-Aware Architecture Supporting Service Availability in Mobile Cloud Computing	2016
393.	ITDMC06	Leveraging Crowd sourcing for Efficient Malicious Users Detection in Large-Scale Social Networks	2016
394.	ITDMC07	Wireless Resource Scheduling Based on Backoff for Multi-user Multi-service Mobile	2016

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		Cloud Computing	
<b>IMAGE PROCESSING</b>			
395.	ITDIM01	Inferring Emotional Tags From Social Images With User Demographics	2017
396.	ITDIM02	Image Re-Ranking Based on Topic Diversity	2017
397.	ITDIM03	Instance-Aware Hashing for Multi-Label Image Retrieval	2016
398.	ITDIM04	Saliency-Aware Nonparametric Foreground Annotation Based on Weakly Labeled Data	2016
399.	ITDIM05	Tag Based Image Search by Social Re-ranking	2016
400.	ITDIM06	Semantic Concept Co-occurrence Patterns for Image Annotation and Retrieval	2016
401.	ITDIM07	Social Diffusion Analysis with Common-Interest Model for Image Annotation	2016
<b>MULTIMEDIA</b>			
402.	ITDMM01	Joint Latent Dirichlet Allocation for Social Tags	2017
403.	ITDMM02	Frame Interpolation for Cloud-Based Mobile Video Streaming	2016
404.	ITDMM03	Securing SIFT: Privacy-preserving Outsourcing Computation of Feature Extractions over Encrypted Image Data	2016
405.	ITDMM04	Towards Cost-Efficient Content Placement in Media Cloud: Modeling and Analysis	2016
<b>SOFTWARE ENGINEERING</b>			
406.	ITDSW01	PBL-SEE: An Authentic Assessment Model for PBL-Based Software Engineering Education	2017
407.	ITDSW02	Global-Aware Recommendations for Repairing Violations in Exception Handling	2017
408.	ITDSW03	Genetic Improvement of Software: a	2017

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		Comprehensive Survey	
409.	ITDSW04	Detecting overly strong preconditions in refactoring engines	2017
410.	ITDSW05	Multi-Role Project (MRP): A New Project-Based Learning Method for STEM	2016
411.	ITDSW06	Heuristics for provisioning services to work flows in XaaS Clouds	2016
412.	ITDSW07	Metamorphic Testing for Software Quality Assessment: A Study of Search Engines	2016

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413.	ITDEM01	Homecare Kit Platform supporting Multiple Bio-signals Acquisition and Analysis in Daily-life Localization of Health Center Assets Through an IOT Environment (LOCATE)	2017
414.	ITDEM02	IOT base smart home appliances by using Cloud Intelligent Tetris Switch	2017
415.	ITDEM03	A navigation and reservation based smart parking platform using genetic optimization for smart cities	2017
416.	ITDEM04	Low-Cost Wireless Monitoring and Decision Support for Water Saving in Agriculture	2017
417.	ITDEM05	IOT based smart garbage alert system using Arduino UNO	2017
418.	ITDEM06	An integrated system of applying the use of Internet of Things, RFID and Cloud Computing:	2017
419.	ITDEM07	A case study of logistic management of Electricity Generation Authority of Thailand (EGAT) Mae Mao Lignite Coal Mining, Lamping, Thailand	2017

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420.	ITDEM08	Library management system	2017
421.	ITDEM09	Design and Implementation of an RFID-Based Customer Shopping Behavior Mining System	2017
422.	ITDEM10	On the Use of Radio Frequency Identification for Continuous Biomedical Monitoring	2017
423.	ITDEM11	Development of an Automotive Scanner for Educational Application	2017
424.	ITDEM12	Integrated Battery-Electric Vehicle Model and Its Optimal Speed Control Application	2017
425.	ITDEM13	Multibank System	2017
426.	ITDEM14	Smart Home System	2017
427.	ITDEM15	Attendance Management	2017

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