**Empyreal solutions**

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**JAVA IEEE PROJECT LIST 2020-23**

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| S.NO | Project Titles | Domain |  |
| 1. | A Proxy Re-Encryption Approach to Secure Data Sharing in the Internet of Things Based on Blockchain | CLOUD COMPUTING |  |
| 2. | A Verifiable and Fair Attribute-Based Proxy Re-Encryption Scheme for Data Sharing in Clouds | CLOUD COMPUTING |  |
| 3. | Attribute Based Encryption with Privacy Protection and Accountability for Cloud IoT | CLOUD COMPUTING |  |
| 4. | Authorized Keyword Search over Outsourced Encrypted Data in Cloud Environment | CLOUD COMPUTING |  |
| 5. | Checking Only When It Is Necessary: Enabling Integrity Auditing Based on the Keyword With Sensitive Information Privacy for Encrypted Cloud Data | CLOUD COMPUTING |  |
| 6. | DSAS: A Secure Data Sharing and Authorized Searchable Framework for e-Healthcare System | CLOUD COMPUTING - |  |
| 7. | Dual Access Control for Cloud-Based Data Storage and Sharing | CLOUD COMPUTING |  |
| 8. | Dual-Server Public-Key Authenticated Encryption with Keyword Search | CLOUD COMPUTING |  |
| 9. | Enabling Fast Public Auditing and Data Dynamics in Cloud Services | CLOUD COMPUTING |  |
| 10. | Forward Secure Public Key Encryption with Keyword Search for Outsourced Cloud Storage | CLOUD COMPUTING |  |
| 11. | Lightweight and Expressive Fine-Grained Access Control for Healthcare Internet-of-Things | CLOUD COMPUTING |  |
| 12. | Practical Multi-Keyword Ranked Search With Access Control Over Encrypted Cloud Data | CLOUD COMPUTING |  |
| 13. | Publicly Verifiable Shared Dynamic Electronic Health Record Databases With Functional Commitment Supporting Privacy- Preserving Integrity Auditing | CLOUD COMPUTING |  |
| 14. | Sanitizable Access Control System for Secure Cloud Storage Against Malicious Data Publishers | CLOUD COMPUTING |  |
| **15.** | **Secure and Lightweight Fine-Grained Searchable Data Sharing for IoT-Oriented and Cloud-Assisted Smart Healthcare System** | **CLOUD COMPUTING** |  |
| **16.** | **FADOHS: Framework for Detection and Integration of Unstructured Data of Hate Speech on Facebook Using Sentiment and Emotion Analysis** | **DATA MINING** |  |

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| **17.** | **Racism Detection by Analyzing Differential Opinions Through**  **Sentiment Analysis of Tweets Using Stacked Ensemble GCR-NN Model** | **DATA MINING** |  |
| **18.** | **A Fast Nearest Neighbor Search Scheme over Outsourced Encrypted Medical Images** | **CLOUD COMPUTING** |  |
| **19.** | **A New Service Mechanism for Profit Optimizations of a Cloud Provider and Its Users** | **CLOUD COMPUTING** |  |
| **20.** | **A Verifiable Semantic Searching Scheme by Optimal Matching over Encrypted Data in Public Cloud** | **CLOUD COMPUTING** |  |
| **21.** | **Accountable Proxy Re-Encryption for Secure Data Sharing** | **CLOUD COMPUTING** |  |
| **22.** | **Achieving secure, universal, and fine-grained query results verification for secure search scheme over encrypted cloud data** | **CLOUD COMPUTING** |  |
| **23.** | **Certificateless public integrity checking of group shared data on cloud storage** | **CLOUD COMPUTING** |  |
| **24.** | **CryptCloud+: Secure and Expressive Data Access Control for Cloud Storage** | **CLOUD COMPUTING** |  |
| **25.** | **Crypt-DAC: Cryptographically Enforced Dynamic Access Control in the Cloud** | **CLOUD COMPUTING** |  |
| **26.** | **Design of Secure Authenticated Key Management Protocol for Cloud Computing Environments** | **CLOUD COMPUTING** |  |
| **27.** | **Dual Access Control for Cloud-Based Data Storage and Sharing** | **CLOUD COMPUTING** |  |
| **28.** | **Efficient Identity-Based Distributed Decryption Scheme for Electronic Personal Health Record Sharing System** | **CLOUD COMPUTING** |  |
| **29.** | **Inference Attack-Resistant E-Healthcare Cloud System with Fine- Grained Access Control** | **CLOUD COMPUTING** |  |
| **30.** | **Multi-Authority Attribute-Based Keyword Search over Encrypted Cloud Data** | **CLOUD COMPUTING** |  |
| **31.** | **PP-CSA: A Privacy-Preserving Cloud Storage Auditing Scheme for Data Sharing** | **CLOUD COMPUTING** |  |
| **32.** | **Practical Multi-keyword Ranked Search with Access Control over Encrypted Cloud Data** | **CLOUD COMPUTING** |  |
| **33.** | **Privacy Preserving Searchable Encryption with Fine-grained Access Control** | **CLOUD COMPUTING** |  |
| **34.** | **Provably secure and lightweight identity-based authenticated data sharing protocol for cyber-physical cloud environment** | **CLOUD COMPUTING** |  |
| **35.** | **Publicly Verifiable Shared Dynamic Electronic Health Record**  **Databases with Functional Commitment Supporting Privacy- Preserving Integrity Auditing** | **CLOUD COMPUTING** |  |
| **36.** | **Secure Fine-Grained Encrypted Keyword Search for E-Healthcare Cloud** | **CLOUD COMPUTING** |  |
| **37.** | **SEPDP: Secure and Efficient Privacy Preserving Provable Data Possession in Cloud Storage** | **CLOUD COMPUTING** |  |

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| **38.** | **SeSPHR: A Methodology for Secure Sharing of Personal Health Records in the Cloud** | **CLOUD COMPUTING** |  |
| **39.** | **Towards Achieving Keyword Search over Dynamic Encrypted Cloud Data with Symmetric-Key Based Verification** | **CLOUD COMPUTING** |  |
| **40.** | **Improvising Personalized Travel Recommendation System with Recency Effects** | **DATA MINING** |  |
| **41.** | **Leveraging Affective Hashtags for Ranking Music Recommendations** | **DATA MINING** |  |
| **42.** | **Method for Ranking the Helpfulness of Online Reviews Based on SO-ILES TODIM** | **DATA MINING** |  |
| **43.** | **Personality-aware Product Recommendation System based on User Interests Mining and Meta-path Discovery** | **DATA MINING** |  |
| **44.** | **Suicidal Ideation Detection: A Review of Machine Learning Methods and Applications** | **DATA MINING** |  |
| **45.** | **BullyNet: Unmasking Cyberbullies on Social Networks** | **SECURE COMPUTING** |  |
| **46.** | **oGBAC—A Group Based Access Control Framework for Information Sharing in Online Social Networks** | **SECURE COMPUTING** |  |
| **47.** | **Sentiment Analysis of Lockdown in India During COVID-19: A Case Study on Twitter** | **COMPUTATIONAL SOCIAL SYSTEMS** |  |
| **48.** | **Privacy-Preserving Electronic Ticket Scheme with Attribute-Based Credentials** | **SECURE COMPUTING** |  |
| **49.** | **Protecting Your Shopping Preference with Differential Privacy** | **SECURE COMPUTING** |  |
| **50.** | **Sensitive Label Privacy Preservation with Anatomization for Data Publishing** | **SECURE COMPUTING** |  |
| **51.** | **Detecting Mental Disorders in Social Media Through Emotional Patterns – The case of Anorexia and Depression** | **COMPUTATIONAL SOCIAL SYSTEMS** |  |
| **52.** | **Public Opinion Analysis on Novel Coronavirus Pneumonia and Interaction With Event Evolution in Real World** | **COMPUTATIONAL SOCIAL SYSTEMS** |  |
| **53.** | **Hybrid Recommender System for Tourism Based on Big Data and AI: A Conceptual Framework** | **Artificial Intelligence (AI)** |  |
| **54.** | **A Proxy Re-Encryption Approach to Secure Data Sharing in the Internet of Things Based on Blockchain** | **Internet of Things (IoT)** |  |
| 55. | A Key-Policy Attribute-Based Temporary Keyword Search scheme for Secure Cloud Storage | CLOUD COMPUTING |  |
| 56. | A New Lightweight Symmetric Searchable Encryption Scheme for String Identification | CLOUD COMPUTING |  |
| 57. | A Novel Feature Matching Ranked Search Mechanism Over Encrypted Cloud Data | CLOUD COMPUTING |  |
| 58. | A Scalable Attribute-Based Access Control Scheme with Flexible Delegation cum Sharing of Access Privileges for Cloud Storage | CLOUD COMPUTING |  |

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| 59. | Achieving Secure and Efficient Dynamic Searchable Symmetric Encryption over Medical Cloud Data | CLOUD COMPUTING |  |
| 60. | Attribute-Based Cloud Data Integrity Auditing for Secure Outsourced Storage | CLOUD COMPUTING |  |
| 61. | Efficient Regular Language Search for Secure Cloud Storage | CLOUD COMPUTING |  |
| 62. | Efficient Traceable Authorization Search System for Secure Cloud Storage | CLOUD COMPUTING |  |
| 63. | Enabling Efficient User Revocation in Identity-based Cloud Storage Auditing for Shared Big Data | CLOUD COMPUTING |  |
| 64. | Improving Security and Privacy Attribute Based Data Sharing in Cloud Computing | CLOUD COMPUTING |  |
| 65. | Optimizing Information Leakage in Multicloud Storage Services | CLOUD COMPUTING |  |
| 66. | Privacy Protection and Intrusion Avoidance for Cloudlet-based Medical Data Sharing | CLOUD COMPUTING |  |
| 67. | Secure Keyword Search and Data Sharing Mechanism for Cloud Computing | CLOUD COMPUTING |  |
| 68. | TAFC: Time and Attribute Factors Combined Access Control for Time-Sensitive Data in Public Cloud | CLOUD COMPUTING |  |
| 69. | Toward Practical Privacy-Preserving Frequent Itemset Mining on Encrypted Cloud Data | CLOUD COMPUTING |  |
| 70. | Active Online Learning for Social Media Analysis to Support Crisis Management | DATA MINING |  |
| 71. | Detecting Group Shilling Attacks in Online Recommender Systems Based on Bisecting K-Means Clustering | DATA MINING |  |
| 72. | Emotion Detection in Online Social Networks: A Multi-label Learning Approach | DATA MINING |  |
| 73. | Movie Recommendation System Using Sentiment Analysis From Microblogging Data | DATA MINING |  |
| 74. | Personalized Recommendation System based on Collaborative Filtering for IoT Scenarios | DATA MINING |  |
| 75. | TAQE: Tweet Retrieval Based Infrastructure Damage Assessment During Disasters | DATA MINING |  |
| 76. | What and With Whom? Identifying Topics in Twitter Through Both Interactions and Text | DATA MINING |  |
| 77. | Detection of Malicious Social Bots Using Learning Automata With URL Features in Twitter Network | SECURE COMPUTING |  |
| 78. | Detecting and Characterizing Extremist Reviewer Groups in Online Product Reviews | MACHINE LEARNING |  |
| 79. | Suicidal Ideation Detection: A Review of Machine Learning Methods and Applications | MACHINE LEARNING |  |

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| 80. | A Sentiment Polarity Categorization Technique for Online Product Reviews | NLP (Natural Language Processing) |  |
| 81. | Characterizing the Propagation of Situational Information in Social Media During COVID-19 Epidemic: A Case Study on Weibo | NLP (Natural Language Processing) |  |
| 82. | Feature-Level Rating System Using Customer Reviews and Review Votes | NLP (Natural Language Processing) |  |
| 83. | PASPORT: A Secure and Private Location Proof Generation and Verification Framework | MOBILE COMPUTING |  |