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| **Sr. No.** | **Staff Name** | **Domain Name** | | **Problem Statement** |
| 1 | Ganesh Pise | Cloud | 1 | **Problem statement:** Distributed Online Hybrid Cloud Management for Profit-Driven Multimedia Cloud Computing |
| Data Mining | 2 | **Problem statement: -** An Evaluation of Data Mining Classification Models for Network Intrusion Detection. |
| Data Mining | 3 | **Problem statement: -** Mining Social Media Data for Understanding Students’ Learning Experiences. |
| 2 | Pooja K. Patil | Internet of Things | 1 | **Problem statement: -** IoT based Information system for Emergency Medical Services |
| Internet of Things | 2 | **Problem statement: -**  The conjunction of the Smart City Initiative and the concept of Industry 4.0 |
| Mobile Cloud computing & HPC | 3 | **Problem statement:** - AutoElastic: Automatic Resource Elasticity for High Performance Applications in the Cloud |
| 3 | Sudarshan N.Sutar | Java,ADK + MySQL | 1 | **Problem statement:-** Dynamic Test Case Generation using Neural Networks |
| Java + MySQL+ Glass Fish Server | 2 | **Problem statement:-** Privacy preserving back-propagation neural network in cloud computing |
| Java + MySQL+ Glass Fish Server | 3 | **Problem statement:-** Request Redirection management in DNA Mapping using cloud computing |
| 4 | Ravindra Sonawane | Java,ADK | 1 | **Problem statement: -**24thr Tracking. |
| Java, HTML | 2 | **Problem statement:-** Web Data Mining To Detect Online Spread Of Terrorism |
| Java,ADK | 3 | **Problem statement:-** Android Tourist Guide |
| 5 | Vikas Mapari | Cloud Computing | 1 | **Problem statement: -** Privacy-Preserving Multi-Keyword Ranked Search over Encrypted Cloud Data |
| Cloud Computing | 2 | **Problem statement: -** Compatibility-aware Cloud Service Composition Under Fuzzy Preferences of Users |
| Cloud Computing | 3 | **Problem statement: -** Decision Support for Mobile Cloud Computing Applications via Model Checking. |
| 6 | Imran D. Tamboli | Cloud Computing | 1 | **Problem statement: -** A Secure Mutual Authentication Protocol for Cloud Computing Using Secret Sharing and Steganography. |
| Cloud Computing | 2 | **Problem statement: -** A Secure Data Self-Destructing Scheme in Cloud Computing |
| Cloud Computing | 3 | **Problem statement: -** Data Deduplication for online cloud. |
| 7 | Vrushali Desale | Artificial Intelligence | 1 | Problem statement: Smart phone based robotic arm control |
| Artificial Intelligence and Mobile computing | 2 | Problem statement: Anti-theft application for android based devices |
| Image Processing | 3 | **Problem statement:** Contrast Enhancement-Based Forensics in Digital Images |
| 8 | Vibha Lahane | Sound Information Retrieval | 1 | Problem statement:Multiclass SVM for Musical Instrument Identification in North Indian Classical Music. |
| Sound Information Retrieval | 2 | Problem statement: To differentiate between Timbrally similar sound of North Indian classical musical instrument |
| Sound Information Retrieval | 3 | Problem statement: Application of Hybrid selection algorithm with weighting method to identify North Indian classical Music Instrument using KNN |
| 9 | Smita Bhosale | Cloud Computing | 1 | **Problem statement: -** Cloud-based Multimedia Content Protection System |
| Security | 2 | **Problem statement: -** Ham or Spam? A comparative study for some Content-based Classification Algorithms for Email Filtering |
| Data mining | 3 | Problem statement: - Predictive Monitoring of Mobile Patients by Combining Clinical Observations with Data from Wearable Sensors |
| 10 | Mukesh Tripathi | Image Processing using Mat lab | 1 | Problem statement: - Enhancing object quality based on saliency map and derivatives on colour distances |
| Image Processing using Mat lab | 2 | Problem statement: - Image Enhancement and Feature Extraction Based on Low-Resolution Satellite Data |
| Image Processing using Mat lab | 3 | Problem statement: - A Visual Model-Based Perceptual Image Hash for Content Authentication |
| Image Processing using Mat lab | 4 | **Problem statement: -** Fruit and vegetable recognition by fusing colour and texture features of the image using machine learning |
| Image Processing using Mat lab | 5 | **Problem statement: -** Disease classification using colour, texture and shape features from images |
| 11 | Anupkumar Bongale | Wireless Senor Network | 1 | **Problem statement: -** Clustering requires additional overhead, such as cluster head selectionand assignment, and cluster construction. |
| Wireless Senor Network | 2 | **Problem statement: -** Mobile data collection in wireless sensor networks |
| Wireless Senor Network | 3 | **Problem statement: -** In WSNs, the existing data collection schemes fail to provide a guaranteed reliable network in terms of mobility, traffic and end-to-end connection. |
| 12 | Jyoti Halwar | Data Mining | 1 | **Problem statement:-** On the Use of Side Information for Mining Text Data |
| Data Mining | 2 | **Problem statement: -** Top-k Exploration for Efficient Keyword Query Routing |
| Data Mining | 3 | **Problem statement: -**Dynamic Resource Allocation Using Virtual Machines for Cloud Computing Environment |
| 13 | Samarjeet Powalkar | Image Processing | 1 | **Problem statement: -** Fast Face Recognition by using the DWT as Mediator with PCA Algorithm. |
| Image Processing | 2 | **Problem statement: -** Noise suppression of the DWT-based MRA on mother wavelet and decomposition level optimization for a robust adaptive SOC estimator in multi-cell battery string. |
| Image Processing | 3 | **Problem statement: -** Moving shadow detection and removal – a wavelet transform based approach. |
| 14 | Santosh Biradar | Image Processing using Mat –lab , Multimedia | 1 | **Problem statement: -** Pattern-Based Near-Duplicate Video Retrievaland Localization on Web-Scale Videos |
| Image Processing using Mat –lab , Multimedia | 2 | **Problem statement: -** A Fast Single Image Haze Removal AlgorithmUsing Colour Attenuation Prior |
| Image Processing using Mat –lab , Multimedia | 3 | **Problem statement: -** An Improved Fog-Removing Method For The Traffic Monitoring Image |
| Image Processing using Mat –lab , Multimedia | 4 | **Problem statement: -** Similarity Validation Based Nonlocal Means Image Denoising |
| 15 | Deepali Khairnar | Networking and Cluster Computing. | 1 | A Proximity-Aware Interest-Clustered P2P File Sharing System |
| Networking and Cluster Computing. | 2 | Contributory Broadcast Encryption with Efficient Encryption and Short Cipher texts |
| Image Processing | 3 | Variable-Length Signature for Near-Duplicate Image Matching |
| 16 | Dr. Saurav Deshmukh | Digital Signal processing, Sound Engineering, Artificial Intelligence | 1 | Singer Identification from Chorus songs. |
| Digital Signal processing, Sound Engineering, Artificial Intelligence | 2 | Musical Notes recognition from a song. |
| Digital Signal processing, Sound Engineering, Artificial Intelligence | 3 | Whistle blower Identification for security doors |
| 17 | Sonali Gaikawad | Text Mining | 1 | Pattern discovery using different data mining algorithms with pattern deploying and pattern evolving methods |
| Web Crawling | 2 | To implement Forum Crawler Under Supervision a supervised web-scale forum crawler. |
| Network Security | 3 | Virus Detection Processor Against a Large Pattern Set for Embedded Network Security |
| 18 | Priydarshini Patil | Parallel and Distributed Systems | 1 | A Secure and Privacy Preserving Opportunities Computing Framework for Mobile Health Care Emergency |
| Parallel and Distributed Systems | 2 | A New Scheduling Algorithm for Real-Time Communication in LTE Networks. |
| Parallel and Distributed Systems | 3 | Self-Protection in Clustered Distributed System Using Access Detection. |
| 19 | Meera Kukade |  | 1 | Automatic classification of English children stories. |
|  | 2 | Automatic recipe cuisine classification by ingredients |
|  | 3 | Sentiment Analysis of Food Recipe Comments |

**Project Coordinators H.O.D.**

Vrushali Desale Dr. Saurabh Deshmukh

Vikas Mapari