Implementing a mobile robot to perform cognitive mapping using vision
Developing an application for an android tablet to help parents keep their children motivated for learning
A novel system for improving energy efficiency in mobile computing
Computerized Tanker Cargo Operation
Applicability of SEIM technology in network and IT security operations
Integrating knowledge based features for document categorization
MataNui - A Grid Data Infrastructure
RFID usage for monitoring drug dispensing in healthcare
Agent-based modelling for understanding software process activities, actions and interactions
Comparisons of the online buying behaviour in Saudi Arabia and New Zealand: A comparative Case Study
Trust-based Geographical Routing For Green SmartGrid
Contemporary Computational Methods and Systems for personalised modelling applied in Bioinformatics
Examining the expectations of user involvement in software development
Design and Evaluation of a Joint Energy Efficiency and QoS aware Routing Protocol for MANETs
Spiking Neural Network for Image Recognition
Enhancing Energy efficiency in Smart Building with RFID technology
Supporting participation and learning with mobile technologies
A study if the effect of people movement on Wi-Fi link throughput using propagation measurements and simulation
Development of an android application for event management and timing using near field communication technology
Optimisation of learning kernels in Spike Pattern Association Neurons
• Photo-based campus navigation system on mobile device
• A case study based on IBM-"Earn as You Learn" University Collaboration Model: Identification of Challenges and Opportunities
• Visualisation of Dynamic Systems: Applications in Software Engineering
• A Landmark model for assigning item weights for pattern mining.
• An investigation of the impact of different operating systems and application programs on a VMware system
• Formulating design requirements for a clinical handover system: a usability approach
• JSON/XMPP service for Grid job submission
• Lip Reading from Thermal Images
• Investigating the adoptability of mobile payment technologies as replacement for cash transactions
• Does a controller-less environment provide Engagement in motion control gaming?
• An exploratory study of factors influencing IT management decisions
• Software use & its mastering gamification of a help system
• Particle Swarm Optimization of Spiking Neural Network for Sequence Learning
• An investigative study into vulnerability research and 0 – day exploits
• methods for computational modelling of risk of disease, based on single-nucleotide polymorphism (SNP) data: A comparative analysis on case study problems
• Extracting ideas from text
• Requirements prioritization methods in a large-scale project: lessons learned
• Infrastructure-as-a-service: World analysis and long-term recourse demand prediction in hosted virtualised data centres

2010

• Distributed scheduling for the Square Kilometre Array: architecture design and prototyping
• Graphic methods study for intelligent finance data analysis and decision support
• Self-organising Maps (SOMs) in software project management
• Multi-agent collaborative active learning for network intrusion detection
• Mapping of an outdoor environment with a mobile robot
• Examining user stories in an agile team
• JetBlack driver simulator interaction design - Heads up Display (HUD) evaluation and design
• Developing a method for improving the performance of TCP over MANETs
• An investigation of the impact of traffic type and node mobility on the performance of IEEE 802.16 WiMAX
• Performance study of IEEE 802.11g WLAN under noise and interference environments
• Project governance in ERP post – implementation phase in the organisation: A case study
• Holistic approach to software process improvement
• Malicious software detection by API sequence and ASCII code analysis
• A comparison of metaheuristic algorithm performance in search based software project planning
• Global vs. personalised modelling for risk of disease analysis and outcome prognosis
• The factors influencing ICT governance implementation: A case study
• Exploring m-government readiness: The case of Vanuatu
• Assisted living interface redevelopment project
• Mobile sales assistant for customers in New Zealand retail stores.
• Developing and testing of an RFID robot activity detection system
• Parsing common phrases in text
• Computing clausal representation of text
• Performance study of IEEE 802.11 WLANs in the presence of hidden stations
2009

- String kernel based sequence analysis for system security
- MEBs knowledge sharing for correlated multi-task learning
- Performance study of IEEE802.11g WLAN under noise and interference environments
- Characterization of high precision frequency standards performance for radio astronomy and industrial applications
- Using closed frequent itemsets to accelerate the generation of association rules in a data stream environment
- The development of a framework to measure the consistency of online user experience
- The factors influencing ICT governance implementation: A case study
- Soft issues in IS projects: Lessons from a Profit organization in New Zealand
- E-Government directions in the developed & developing world: The role of mobile communications & technology
- Discrimination - based active learning for outlier detection and classification
- Experimental study to identify methods of understanding activity in simulation suite using RFID technology
- Reverse engineering applying search based software engineering
- RFID support for activity detection for the elderly
- How does RFID influence the shopping environment in New Zealand: An investigation of the views of the retail sector
- An investigation into requirements engineering capability in New Zealand
- Data management in pervasive computing
- Web traffic prediction for an online advertising company
- Use of data compression techniques for optimizing queries in data warehouses in computerised tanker cargo operations
2007-2008

- New Zealand broadband technologies adoption
- Developing a mobile robot with curiosity-driven discrimination intelligence
- Using satisfaction arguments and rich traceability in requirements prioritisation
- Environmental noise estimation for efficient speaker identification and voice change detection
- SMS-based vocabulary learning for ESL students
- Modelling and performance studies of integrated network scenarios in hospital environment
- Map compression for a graph traversal-based RFID indoor navigation system: implementation of wavelet compression
- An investigation of the impact of routing protocols on MANETs through simulation modelling
- Realization of the next-generation network - A study on network conversion toward the NGN
- Evaluate the effectiveness of test-driven development effectiveness: industrial case study
- Performance studies of IEEE 802.16-based mobile WiMAX
- A systematic method of requirement prioritization for medium to large number of requirements
- Hybrid recommender systems using item-to-item collaborative filtering
- Integrated feature, neighbourhood and model optimisation for personalised modelling
- Modelling correlation aided predication for intelligent finance data analysis and decision support
- Identifying an effective framework for useablity evaluation of open journal system in educational settings
- Forensic procedures in recompiling digital data captured from unallocated disk space about time stamping file fragment association
- Methods & system for Brain analysis and knowledge discovery: A case study on the analysis of genes involved long term potentiation in relation to learning, memory and brain diseases
- Data modelling for RFID data
- Dynamic management of software development projects
- The impact of digitalization to the TV station on media retrieval; with case study of Beijing TV station
- A survey of technologies and algorithms for parsing and indexing multimedia databases
- The use of tools and techniques in software requirements understanding in New Zealand
- Concept-based high-speed data stream mining.
- Impact of security mechanisms on consumer trust in on-line banking transactions
- Enabling mobile commerce applications adoption : a New Zealand study
- Novel applications of association rules: Data stream mining
- Performance studies of VoIP over Ethernet LANs
2007-2008 (continue)

- Multi-resolution call centre agent prediction over call volume data forecast
- Factors influencing the use of mobile banking: The case of SMS-based mobile banking
- Reinforcing good riding habits using an active feedback wrist pronation sensor and feedback device
- Visualisation of complex hierarchal structures (BCIS Hons)
- Discovery pattern interaction between variables form ontology databases on case study ‘Brain gene Ontology’
- TCP performance over Ethernet LANs: An experimental study
- Measuring the uncertainty of user requirements using fuzzy logic method
- New Zealand location aware mobile applications: The landscape and trends
- The role of task characteristics in data modelling
- User experience: the user’s sense of control in word processing applications
- Requirements impact analysis as a design tool
- A comparative study of mobile internet deployment models in New Zealand
- Impacts of signal strength on Wi-Fi link throughput
- Empirical analysis of imbalanced data sets
- Dynamic credit scoring using payment prediction
- Integrating systems in organisations that deploy web services
- Wireless network security: an experimental study
- Exploitation of constraints and frequent closed itemsets in association rule mining
- New Zealand location aware mobile applications
- Security mechanisms in IEEE 802.11-based WLANs
- The role of independent advocacy groups in RFID technology use
2003 - 2006

- Exploiting user profiles for personalised search
- An 'agile methods’ risk management evaluation & project management tool that implements risk analysis
- Risk management in smaller software projects
- Mobile data services adoption in New Zealand: future predictions
- Ontology visualisation: the brain gene ontology case
- Use of association rule mining to generate digital library ontology
- Factors influencing adoption of RFID technology in the New Zealand hospital environment
- Adoption of mobile commerce services in New Zealand
- Attitudes to the use of Pair Programming (BCIS Honours)
- Knowledge discovery from biological data: A comparative analysis of local and global models
- What do organisations think of the potential of using RFID in their supply chain management?
- Integration of mobile commerce across the supply chain in New Zealand businesses
- Factors that influence the adoption of business benefit realisation models in New Zealand organisations
- An improved media access control protocol for wireless LANs
- Individual modelling using transductive inference and genetic algorithms
- Factors affecting the adoption/continued usage of Internet banking services in New Zealand
- Exploiting constraints in association rules mining
- Modelling and performance evaluation of intelligent agents (BCIS Honours)
- Exploring consumer attitudes towards mobile gaming in New Zealand
- Trust building in e-business considering business to consumer transactions (B2C): A usability study
- Gene selection based on consistency modelling, algorithms and applications
- An algorithm for component layout subject to real world constraints
- Nearest neighbour techniques for classification of imbalanced data sets