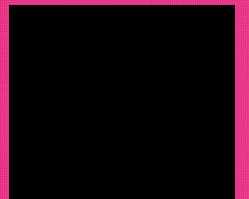




**ELVIN PRASAD** | Senior Engineer ICT

PROFESSIONAL RESUME



# ABOUT ME

Hi, I am an exciting and enchanting person with great passion for art and music and filled with compassion to the depths. I have a good sense of humour and I put a lot of exertion into whatever I do, having a lot of perfection into detail and I like to show it. I see things from a philosophical perspective and love to do things based on its perceptions.

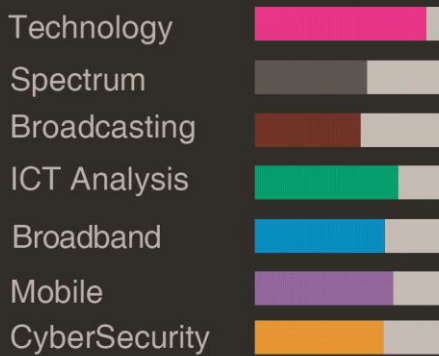
I am [REDACTED] and recently graduated in Master of Science Degree in Information Systems whilst being employed full time as a Senior Engineer ICT. I have acquired the essential expertise in the ICT environment having comprehensive knowledge of most specialized areas of ICT given the roles of being in administration of this whole sector in Fiji. It has been somewhat inspiring to be working in multiple areas of this ever-evolving ICT sector.

I would love to be part of a challenging team which is technologically vibrant in so many aspects. Ever since I began my career in this industry, it has always been my ultimate vision to be working for an outstanding organization such as yours.

There's a lot of potential in me and I'm always up to take up any new challenges coming my way. I would very much be willing to give a shot at this opportunity in being a part of your professional team.

# SKILLS

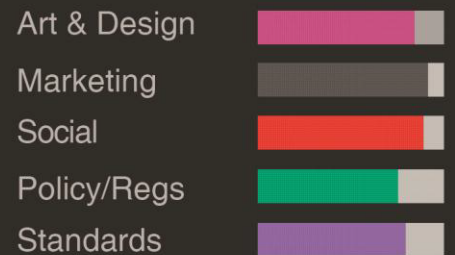
## PROFESSIONAL SKILLS



## PERSONAL SKILLS

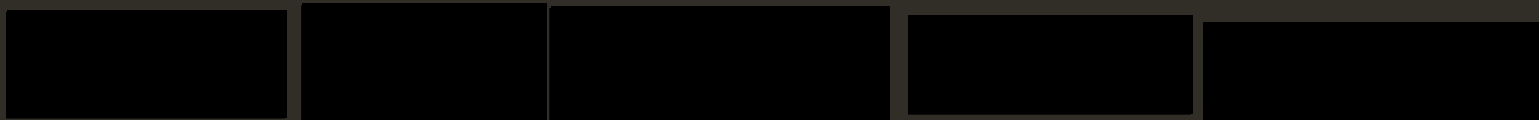


## MORE SKILLS



# CONTACT ME

## CONTACT DETAILS



# TECHNICAL SKILLS

- Mobile Communications and Cellular Technology
- Fibre Optic Access Technologies and Network Infrastructure Design
- Broadcasting Technologies and Content
- Radiocommunication, Transmission and RF Systems
- ICT Security, Cybersecurity Policy & Regulatory matters
- Broadband Networks and Technologies
- IP Technologies and Services
- Telecommunications standards and ICT development strategies
- Digital Multimedia Content and Convergence Technologies
- Satellite Communication Systems
- Spectrum Monitoring and Management
- Digital TV Broadcasting Technologies & Standards
- Enterprise systems, Core networks and end user products

# PERSONAL SKILLS

- Excellent communication skills - written/verbal and social interaction skills
- Superior presentation and interpersonal skills
- Agile in cutting edge technology and engineering
- High levels of accuracy and attention to detail
- Analytical thinking and planning ability
- Organizational and prioritization skills - Ability to Plan, Organize and Prioritize Work
- Tolerant and flexible to different situations
- An experienced team leader with the ability to initiate/manage cross-functional teams and multi-disciplinary projects
- Critical thinking, decision-making and problem solving skills
- Innovative and Creative thinking skills
- Excellent collaborative and team working skills
- Customer service oriented
- Adaptability and ability to work under pressure
- Diligent, honest, reliable and showing instant responsiveness
- Keen and willing to work beyond expectations
- Very good time management and work scheduling skills
- Business management and leadership skills
- Key marketing skills

# MY QUALIFICATIONS

**UNIVERSITY OF THE SOUTH PACIFIC / FACULTY OF SCIENCE, TECHNOLOGY AND ENVIRONMENT**  
MASTER OF SCIENCE IN INFORMATION SYSTEMS (MINS)  
2012-2013

The Master of Science program in Information Systems offers a wide range of industry based courses focussed on the specific areas of new age technologies. The contents mainly reflected on industrial applications of these technologies and case studies.

The following courses were undertaken :  
IT Project / Data & Information Security / Information Management / Business Network Technologies

**UNIVERSITY OF THE SOUTH PACIFIC / FACULTY OF SCIENCE, TECHNOLOGY AND ENVIRONMENT**  
POSTGRADUATE DIPLOMA IN COMPUTING & INFORMATION SYSTEMS (PGDCIS)  
2010-2012

The Graduate Diploma program majoring in Computing Science and Information Systems is a pre-requisite to higher level programs and topics relevant to the areas of Information Technology were taught at this level.

The following courses were undertaken :  
Advances in IT / Advanced Software Engineering / Internet Computing / Mobile Communications

**UNIVERSITY OF THE SOUTH PACIFIC / SCHOOL OF ENGINEERING AND PHYSICS / SCHOOL OF COMPUTING**  
BACHELOR OF SCIENCE MAJORING IN ENGINEERING TECHNOLOGY AND COMPUTING SCIENCE (BSC)

A double major program in Engineering Technology and Computing Science. This was a 4 year degree which included courses relevant to Information Technology, Industrial Engineering and Information Systems.

The following were some of the major courses that were undertaken :  
Engineering Graphics and Design / Quantum and Electrical Physics / Analogues and Power Circuits / Digital Electronics / Software Engineering / Computer and Network Security / Computer Networks / Web Applications Development, etc

**COMMONWEALTH TELECOMMUNICATIONS ORGANIZATION (CTO)**  
DIPLOMA IN TELECOMMUNICATIONS MANAGEMENT (DTM)  
2010-2011

An intensive program organized in Fiji by Commonwealth Telecommunications Organization (CTO). A range of Telecommunications topics were taught as part of the Diploma Program.

The following modules were just a few of them which also included case studies of major Telecommunications companies around the world :  
NGN Services, Voice over IP (VoIP), Multimedia, IMS, WiMAX / Cellular Networks 2G to 4G / Core Networks, IP Fundamentals, Access Networks, Broadband / Customer Service, Market Intelligence, Marketing, Sales Cooperation / Financial, Information Risk Management / Future of Telecommunications, etc

# MY CERTIFICATIONS

**DIPLOFOUNDATION**  
CERTIFICATE IN INTERNET GOVERNANCE DIPLOMACY  
2010

**GLOBERON**  
CERTIFIED WIRELESS SECURITY PROFESSIONAL (CWSP)  
2014

**EC-COUNCIL**  
EC-COUNCIL CERTIFIED SECURITY ANALYST (ECSA v8)  
2015

**EC-COUNCIL**  
EC-COUNCIL CERTIFIED NETWORK SECURITY ADMINISTRATOR (ENSA v4)  
2016

**ISC2**  
CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP) \*\*\*CURRENTLY ENROLLED  
2016

# OTHER QUALIFICATIONS

## KOREA INFORMATION & SECURITY AGENCY (KISA) / KISC / KRCERT/CC

APISC SECURITY TRAINING COURSE

2015

This training course is based on TRANSITS (Training of Network Security Incident Team Staff), a regular training course developed for the establishment and operation of a CERT. The course encompasses all areas of Information Security and comprises of an organizational module, an operational module, a legal module, and a technical module. Key areas of focus are : Incident Response Simulation, CSIRT Services and Statistics on Malicious Activities, National Policy, Strategy and Laws focused on Information Security.

## INTERNATIONAL TELECOMMUNICATIONS UNION (ITU) / IMPACT

WIRELESS SECURITY PRACTICES FOR POLICY MAKERS AND REGULATORS COURSE

2014

Objectives of this course were Setting National Policies, Strategies and Plans, Wireless Intrusion Detection & Prevention Systems (WIDPS), National Policies, Strategies and Plans for Wireless Designs and Policies and regulatory strategies to build human capacity, standardization and certification.

## KOREA INFORMATION & SECURITY AGENCY (KISA) / MIN. OF SCIENCE, ICT AND FUTURE PLANNING (MSIP)

ICT EXPERT TRAINING - ICT INTEGRATED COURSE II

INFORMATION SECURITY | SPECTRUM MANAGEMENT POLICY | CONVERGENCE SERVICES

2013

This course offered three different sub-courses; Policy of Spectrum Management, Information Security and Convergence Services. This provides an opportunity for participants to strengthen human networks from a wide range of ICT experts in related fields. As part of the course, participants also attended the Capacity Building Pre-Workshop for Seoul Conference on Cyberspace 2013 which is one of the biggest event that was hosted by Ministry of Science, ICT and Future Planning. This ICT Integrated Course II introduces status of the Policy of Spectrum Management in Korea and provides theories, cases, and trends in Korea's latest Information and Communications Technology to promote better understanding of the trends in ICT and the relevant industry.

## NANJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS (NUPT) / ASIA PACIFIC TELECOMMUNITY (APT)

INFORMATION SECURITY AND COMPUTER COMMUNICATIONS COURSE

2013

Objectives of this course were to understand basic & advanced technology in communication & computer networks, understand network information security issues and get knowledge about practical network security techniques, master basic network management and monitoring knowledge, understand the latest development and trends in telecommunication technology and to know the current status of China telecommunication technology and manufacturing industry.

## INTERNATIONAL TELECOMMUNICATIONS UNION (ITU)

BROADBAND AND NEXT GENERATION NETWORKS COURSE

2013

Looks into Digital Convergence and Mobile Broadband. General concepts of digital convergence and the different types of convergence. Examines mobile broadband market trends and insights. The current status and challenging issues on mobile broadband market. And studies of each country's ICT market trends and issues.

## INTERNATIONAL TELECOMMUNICATIONS UNION (ITU)

SPECTRUM MANAGEMENT AND PRICING MECHANISM COURSE

2011

This course was designed to provide a comprehensive description on different aspects of Spectrum Management and factors involved in determining spectrum pricing. The objectives were to understand the concepts of Spectrum Management, learn the charging methodologies involved in spectrum pricing and to discuss and evaluate case studies relating to the subject of spectrum management and pricing.

## KOREA INFORMATION & SECURITY AGENCY (KISA) / KOREA COMMUNICATIONS COMMISSION (KCC)

DIGITAL SWITCHOVER AND ICT TECHNOLOGIES COURSE

2010

As Digital Technology & IT are advancing, Broadcasting & Telecommunications are rapidly converging and this trend becomes worldwide. KISA is a government agency specializing in national information security, national internet development and international cooperation in the area of ICT and broadcasting. As part of KCC projects, it aims to bridge the global digital divide by aiding development of the broadcasting and communications sector in developing countries. Ultimate goal of KOALP is to assist broadcasting & telecommunications experts to get insights on policy making for the growth and conduct advanced policies.

## INTERNATIONAL TELECOMMUNICATIONS UNION (ITU)

MIGRATION TO IPV6 COURSE

2010

Organized by ITU in partnership with National Advanced IPv6 Centre (NAv6). A number of modules were included as part of this program; IPv4: Technology Basics, Limitations & the Need for IPv6, IPv6: International Trends & Standards, Migration Strategies: Policy Framework For Roadmap Development, Migration Strategies: Technological Framework and Cost Estimation Methodology.

## 2014

- National Expert on Master Plans for Spectrum Management Project - ITU, MSIP
- Monitoring and Evaluation Project - ABD, TAF, MOC [Fiji]
- Numbering Industry Working Group - ADB, TAF, MOC [Fiji]
- Technical Coordinator for Government Community Tele-Centre Project
- Broadcast Engineering Standards Committee - FNU, MOC [Fiji]
- Universal Service Obligation Scheme - TAF, MOC [Fiji]
- Digital Broadcasting Migration Team - TAF, MOC [Fiji]
- National Frequency Allocation Table and Register Project [Fiji]
- Main Focal Point of Contact to ITU on ICT Indicators for Fiji
- National CIRT for Fiji Initiative Cyber Incident Response Center Establishment - KISA, ITU, IMPACT
- PITA 18th AGM, PIRRC 3rd AGM - [Vanuatu]
- 3rd Meeting of the APT Conference Preparatory Group for WRC-15 (APG15-3) - APT, ACMA [Brisbane, Australia]
- 7th Policy & Regulation Forum (PRFP-7) – APT, MOC [Fiji]
- Development of Satellite Communications Capacity and Emergency Communications Solutions for SIDS

## 2013

- 6th Policy & Regulation Forum (PRFP-6) – APT, MOC [Fiji]
- Technical Coordinator for Government Community Tele-Centre Project
- 4G LTE Spectrum Auction & Implementation Team in Fiji
- Capacity Building Pre-Workshop for Seoul Conference on Cyberspace 2013 [Korea]
- Pacific Media Partnership Summit 2013 – ABU, AIDB, ITU [Vanuatu]
- Dispersed Environments, IP Connectivity & VoIP Workshop - PITA [Fiji]
- Leveraging ICT for Decision Making, Business Planning & Change and HR Forum - PITA [Fiji]
- ITU Workshop on Building Capacity on National Statistics in the Pacific - [Fiji]
- ITU Regional RadioCommunication Seminar for Asia-Pacific 2013 (RRS-13-Asia-Pacific) – [Fiji]
- Future of C-Band in Asia Pacific - ITU [Fiji]
- NGN & Future Telecom Forum - PITA [Fiji]
- Wireless Broadband Planning & QOS Assessments - PITA [Fiji]

## 2012

- Technical Evaluation Committee for PABX and VOIP Projects
- Member of Service Fiji Centre Project – USP, PICPA, PSC [Fiji]
- Technical Coordinator for Government Community Tele-Centre Project
- 5th Policy & Regulation Forum – APT, MOC [Fiji]
- Pacific Broadband Forum – ITU, CTO, MOC [Fiji]
- National Roadmap Team Member for Analogue to Digital TV Migration for Fiji
- EIA Team Member for Fiji-Tonga Southern Cross Cable Network

## 2011

- 4th Policy & Regulation Forum– APT, PITA [Fiji]
- Regional Workshop on Bridging the Standardization Gap – ITU, TTA, KCC [Fiji]
- Rollout of New Spectrum Plan for FM Band [Fiji]
- Involvement in Board Meetings for Telecommunications Authority of Fiji (TAF)
- Organizing Committee South Pacific ICT Expo 2011 – USP, MOC [Fiji]
- Organizing and Involvement in Pacific's first ever National Broadband Policy for Fiji
- Project Manager for Government Community Tele-Centre Project

## 2010

- Universal Service Obligations Workshop – ICB4PAC ITU [Tonga]
- Pacific Regional ICT Officials & Ministers Meeting – SPC, EU, ITU [Tonga]
- Numbering and Telecommunications Licencing in the Pacific Workshop – ICB4PAC ITU [Cook Islands]
- Training Workshop on Internet Governance Diplomacy – EU, ACP, DiploFoundation [Cook Islands, Fiji]
- Universal Access and Services in the Pacific Islands Workshop – ICB4PAC ITU [Samoa]
- ICTs for Inclusive Growth and Poverty Reduction Project – ADB, SPC [Samoa]

## 2015

- Pacific Telecommunications Council (PTC) Conference 15 - [Hawaii]
- Internet Corporation for Assigned Names and Numbers - ICANN 52 Meeting - [Singapore]
- 6th APT Workshop on Disaster Management/Communications (WDMC-6) - APT, MOC [Fiji]
- Training course on Radio Spectrum Management and Services - APT, ITU [Fiji]
- Pacific Regional Seminar on Spectrum Management & Terrestrial TV Broadcast - ITU, MSIP [Fiji]
- 5th Meeting of the APT Conference Preparatory Group for WRC-15 (APG15-5) - APT, MSIP [Rep. of Korea]
- Pacific Media Partnership Conference 2015 - ABU, ITU, SBC [Samoa]
- National Expert on Master Plans for Spectrum Management Project - ITU, MSIP
- Expert Group on Telecommunication/ICT Indicators (EGTI) - ITU
- 6th APT Cybersecurity Forum (CSF-6) - APT [Thailand]
- 2nd World Internet Conference 2015 - CAC [China]
- Fiji Cybersecurity Assessment & Strategy Consultations - CTO, Uni. of Oxford

## 2016

- Pacific Telecommunications Council (PTC) Conference 16 - [Hawaii]
- Workshop on National Spectrum Management and SMS4DC - MSIP, ITU
- Emergency Telecommunications Cluster Committee - MoC, WFP
- Fiji E-Agriculture Strategy Development Taskforce Member - FAO, ITU
- U-Report Fiji Technical Committee - MoC, UNICEF
- Fiji-Samoa Cable Project - MoC, World Bank
- ITU Pacific Satellite Project Coordinator - MoC, ITU
- National Information Security Policy Course - MSIP, KISA, NIPA [Rep. of Korea]
- Member of Internet Society (ISOC)
- Member of Asia Pacific Regional Internet Governance Forum (APrIGF)

# PROFESSIONAL EXPERIENCE

## PROJECT MANAGER - CYBERSECURITY & ICANN GAC REPRESENTATIVE / MINISTRY OF COMMUNICATIONS

FIJI

2 years

Head of Fiji's National CyberSecurity Strategy Project. Management of Security Governance domain. Develop, maintain and oversee National strategies, policies and laws to address all applicable Cyber Security issues. Collaborate with local and international organizations on Cyber Security related works, Gathering and compiling data on Cyber Activities in Fiji, Developing IT security policies and coordinating its implementation within all relevant stakeholders and devising national awareness programmes on global cyber threat trends.

## SENIOR ENGINEER ICT & SPECTRUM MANAGER / MINISTRY OF COMMUNICATIONS

FIJI

3 years & 3 months

Major oversight and management of all ICT Projects for the Ministry, Collaborative work and coordination with regional and international organizations on National Projects for ICT sector, monitoring and control of budgetary allocations for projects, Provide effective management and leadership in administering the Department of Communications, Cooperation with Pacific Islands Regulators and ICT Agencies, Directly liaising with Telecommunications Regulatory Authority on industry matters concerning Telecommunications Standards, Monitoring & Compliance, Licencing, Equipment Type Approvals, etc

## ENGINEER ICT / MINISTRY OF COMMUNICATIONS

FIJI

3 years

Administration of frequency spectrum for the country, Involved in policy development and conformance, Working with the ICT industry stakeholders, Dealing with regional and international bodies as part of consultations and assistance in the ICT sector, Project planning and implementation for development of ICT in rural locations, Overseeing the licencing and regulation of all Telecommunications service providers in the country, Inspection and interference monitoring on the usage of all RF systems, Involved in network performance testing for Mobile Telecommunications service providers

## MANAGER IT / PACIFIC AGENCIES (FIJI) LIMITED

FIJI

1 year

Administration of servers such as email, MYOB, storage and management, proxy server, CAS Server and other application systems servers, IT support and helpdesk operations in various technical aspects, Managing 4 different office sites comprised of more than 150 users, Monitoring of system performances and ensuring reliable and efficient operation of all IT services, Effective control of network systems and security and ensuring higher levels of service uptime, Overseeing the maintenance and upgrade of all hardware and software systems.

# PAST EXPERIENCE

## IT ADMINISTRATOR / DE VOS ON THE PARK

FIJI

1 year

Administering and updating of business website, managing internal networks, WiFi hotspots, maintenance and configuration of PCs and other related hardware and providing software support for in-house application systems.

## PART TIME TUTOR & MARKER / USP - SCHOOL OF COMPUTING (FSTE)

FIJI

1 year

Teaching support for communication and information literacy, marking of assignments, quizzes and tutorials, working with course coordinator on course content design, assisting tutors and lecturers with lecture materials and updating of online content and other online modes of assessment.

## SYSTEMS SECURITY ANALYST / NETPLUS TECHNOLOGIES

FIJI

6 months

Working with security appliances and configurations, penetration analysis for systems and networks, designing and implementing systems security solutions, assisting client sites with network operations and managing user access controls for enterprise systems and networks

## TRAINEE MAINTENANCE TECHNICIAN / USP - ENGINEERING DEPARTMENT (SEP)

FIJI

3 months

Involved routine checks and maintenance of electrical and electronic equipment, managing the running of the departments hardware and computer labs, deploying PCs and printers, installation of software, setting up networks and carrying out the required cabling works and maintenance of PCs and other peripheral devices.





## CYBERSECURITY

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### PROJECT DESCRIPTION

CyberSecurity has become an integral part of ICT and its effects on our everyday lives are becoming quite dramatic. The security of the whole cyberspace and how we use it is really vital.

Taking ownership of CyberSecurity measures is very critical for Governments as it will clearly outline the current status of CyberSecurity initiatives and assist with the implementation of audits and assessments for further corrective actions to take eg. CyberSecurity Laws and Legislations, establishments of National CIRTs, management programs, etc.

### DETAILS:

International Telecommunication Union (ITU) together with International Multilateral Partnership Against Cyber Threats (IMPACT) and Commonwealth Telecommunications Organisation (CTO) have been working with us closely and I have been the focal point of contact for gathering and providing CyberSecurity Indicators for Fiji to report on Global Cybersecurity Index.

In most recent developments, we initiated a project on developing and implementing a National CyberSecurity Strategy for Fiji and a Readiness Assessment study was carried out for establishing a National CIRT in Fiji.



## BROADBAND PROJECT FOR FIJI - TELECENTRE

### PROJECT DESCRIPTION

Fiji saw the establishment of its National Broadband Policy which was the first of its kind in the South Pacific. This sees the Broadband Action Plans and Strategies outlined for Fiji giving high priority to “accessibility” of broadband services to all citizens. With the ever growing demand for data, this project would see the evolution of next generation technologies and services being offered to everyone.

### DETAILS:

The main factors of this Broadband project were accessibility and affordability which were seen as lacking in the past. Giving access to Broadband services to rural and outer island locations has been a challenge and this was now becoming a reality. More and more unserved locations were targeted and one of the long term aims of this project is to provide Broadband accessibility to 100% of the schools in Fiji by 2016. Telecentre’s have been one of the most influential components of this project with easier reach to the communities and schools as well.



## DIGITAL TV MIGRATION

### PROJECT DESCRIPTION

The future of Digital Broadcasting has been transitioning all over the world in most developed countries and Fiji has been one of the countries to be part of this project with the assistance from ITU on the Transition from Analogue to Digital TV Switchover Roadmap.

### DETAILS:

This project began 2 years ago with the analysis of Fiji’s status on current TV broadcasting practises. The roadmap outlines the process to be carried out for the transition to digital TV broadcasting and the standards and technology related. Further works on coverage mapping and transmission standards had been established inline with current industry practises.



## SPECTRUM MANAGEMENT MASTER PLANS

### PROJECT DESCRIPTION

Access to Radio Frequency Spectrum in Fiji has rather been getting exhausted and there is a great need for better management practises for the efficiency of future needs for Spectrum with coordinated allocation and streamlined assignments of frequency.

### DETAILS:

With the collaborative assistance from ITU, this project see’s the establishment of overall Master Plans for Spectrum Management in Fiji. This all began with the proper audits and monitoring exercise carried out on all spectrum usage in the country and further works on the allocation tables for specific bands. The next phase of the project involves the compilation of all data which would be entered in a database/register and managed by deploying a Spectrum Management Software.



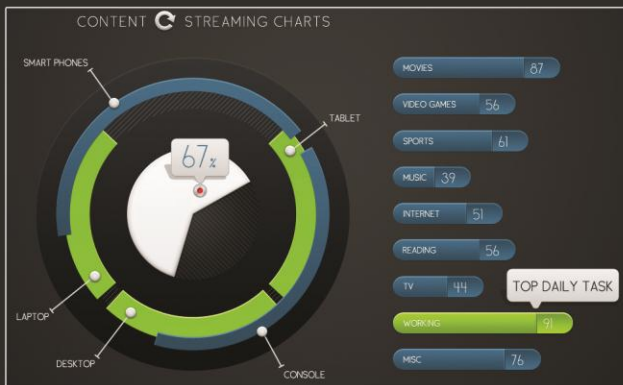
## INFRASTRUCTURE SHARING & CO-LOCATION UNIVERSAL ACCESS & SERVICES

### PROJECT DESCRIPTION

Giving the same levels of ICT experiences to rural locations as to those in urban areas has been a challenge and the implementation of these projects will greatly contribute in bridging the digital divide. It becomes too costly for service providers to rollout services in under-serviced or unserved areas given the excessive investments required on capital expenditure. Infrastructure sharing and co-locating also makes way for services to be provided via a common platform reducing capital costs.

### DETAILS:

Government has subsidized certain areas which are classified as Universal Service Areas for services to be rollout out by operators. Funding for the sharing of infrastructure will benefit all operators as this will ensure service providers are obliged to rollout their services with minimum investments in infrastructure. Different pricing mechanisms and models are involved in this project as to ensure equal returns for all parties involved.



## MONITORING & EVALUATION - ICT INDICATORS

### PROJECT DESCRIPTION

Monitoring of ICT statistics is very critical for analysing the status and performance of the sector. This project includes the close cooperation from the industry and Telecom operators to provide ICT data which has been a huge challenge.

### DETAILS:

With the cooperation from the industry and major operators, data on ICT indicators will be collected on a timely basis to be compiled for reporting purposes to ITU, APT, etc. Specific indications of the ICT industry eg, pricing & tariffs, coverage, mobile and fixed subscriptions, broadband subscriptions, internet usage, etc are measured and evaluated for the enhancement and development of infrastructure and services. This also defines the countries standing on ITUs ICT Development Index which primarily reflects on ICT accessibility and coverage in the country. Fiji has improved a lot within the last few years.



## 4G LTE

### PROJECT DESCRIPTION

The first of its kind for Fiji and also being one of the first countries in the South Pacific to auction LTE Spectrum and implement 4G LTE services. The initial aim to rollout LTE service was to expand in mobile broadband services and to give accessibility to rural locations. With the growing demand for mobile broadband technology, this was seen as a stimulant to the already existing and expanding 3G services.

### DETAILS:

The LTE Spectrum Auction was the first ever sale of Spectrum in Fiji which saw major Telecommunications companies competing to get their hands on the 700, 800 and 1800 MHz LTE bands. Within 5 months of the auction, the first implementation of LTE services was done in the country and more operator's to rollout their services soon. This has seen a great demand for 4G devices which have already been in the market way before the LTE services began and we now see much greater demand for data and services from users.





**ELVIN PRASAD** | Senior Engineer ICT

PROFESSIONAL RESUME