Voice for IT Professionals

MONTHLY DIGEST

PNG COMPUTER SOCIETY

August 2015

The society has seen its 10th year since its establishment in 2006 and is the Professional body for the ICT Professionals in Papua New Guinea and is also a sister organization to the Australian Computer Society. The Department of Information & Communication Technology has recognized its existence and is proud in serving the best interest of the IT Professionals in Papua New Guinea.

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EDITION 1- 31st of August, 2015

OBJECTIVES

- Facilitating Information Communication Technology (ICT) graduates to enhance their knowledge and skill.

- Organizing ICT Seminars, workshops for the members and public at large.

- Sharing information, knowledge and skills among all interested persons and organizations.

- Be a professional body for the ICT Professionals and cater for their needs.

- To apply the profits (if any) or any other income in promoting its objects; and

- To prohibit the payment of and dividend or payment in the nature of a dividend to its members; (this to be used to enhance students skills)

- And to do all such things as are incidental or conducive to the attainment of the objects or any of them.

Secretary　　　**President**　　　**Treasurer**

Corporate Sponsors

Digitec Technology Providers

Digitec is an Authorised Reseller for Toshiba TEC Hardware POS Equipment and a Authorised Reseller & Service Centre for NCR so not only do we provide after sales service for the POS Software we can also provide Hardware Support for all NCR Equipment purchased from Digitec under Warranty or on a SLA.

NICTA

The National Information and Communications Technology Authority (NICTA) is a government agency responsible for the regulation and licensing of Information Communication Technology (ICT) in Papua New Guinea.
NICTA regulates:

- broadcasting
- the internet
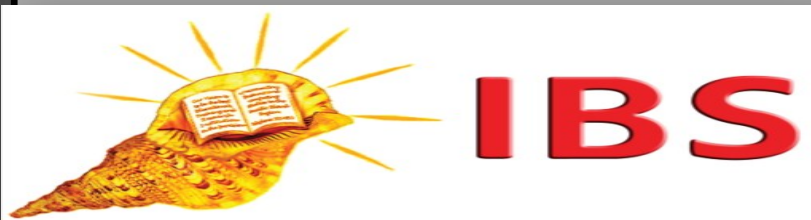- radio communications telecommunications

NICTA was established on the 29th of October, 2010, as the sole converged regulator and licensing authority of the ICT industry in PNG. This followed the adoption by the PNG Parliament in November 2009 of the National Information and Communications Technology Act 2009 (the NICT Act) an subsequent creation of the National Information and Communications Technology Authority or NICTA.

The aim of the Act is to ensure the ICT industry contributes meaningfully to the long-term economic and social development of PNG in line with national goals and directive principles and the basic social obligations of the constitution.

The Act also calls for the ICT industry to be regulated in a manner that promotes consumer welfare through an equal, transparent, technology neutral, timely and non-discriminatory measures.

NICTA works closely with all stakeholders while ensuring industry compliance with licence conditions, codes and standards.

NICTA also monitors the effects of regulations to ensure they are responsive to the wider community's needs.

IBS

An Institute of Higher Education that offers Certificate, Diploma, Advance Diploma & Bachelors Degree in the following subjects;

1. Accounting
2. Computing/ IT
3. Marketing
4. Human Resource Management

Offers short IT Professional Courses;

Visit: www.ibs.ac.pg

Corporate Sponsors

C B S
CENTRAL BUSINESS SYSTEMS

Central Business Systems is located in Port Moresby, Papua New Guinea. Company is working in Electrical goods, Computers business activities. -

Visit Website for more information;

http://www.pngyp.com/company/4224/Central_Business_Systems#sthash.ebKeLLzu.dpuf

TELIKOM PNG LIMITED
Always there

Telikom PNG Limited

Telikom PNG Limited was incorporated on 1st July 1955 to own and operate the telecommunications network in Papua New Guinea. It is wholly owned by the state through a shareholding held by IPBC.Telikom PNG enjoyed a monopoly in the tele-communications industry until 2007 when competition was introduced to the mobile phone segment in July of 2007.

Apart from its fixed-line core telecommunication business, which accounts for 50% of gross revenue, Telikom also provides data transmission services to the business community via a Digital Data Network and 349 VSAT. International calls are made via satellite and cable.

Telikom offers retail business of voice and data broadband services along with wholesale business of these voice and data services.

Its network is entirely digital, extensive and a well-established combination of microwave radio, satellite and intra-city optical fiber transmission systems that connect to a nationwide network through telephone exchanges and data switches while linking PNG worldwide with it Optical Ground Wire system and submarine cables through PPC-1 PIPE in Madang and APNG 2 at Ela Beach.

With its proud history of service spanning over five decades, Telikom is into the business of providing advanced innovative communication solutions in PNG and clients in the region.

New products are also available to help families and businesses alike have more reliable access to telephone and internet. The aim is to continue the increase in the number of homes connected to the national network, where fixed line local calls are still the cheapest option for staying in touch.

Services currently available feature landline, Citifon mobile service, fixed wireless voice & data, Wimax broadband, VSAT, PABX, IPLAN, VPN, hotspot, and video conference.

Citifon, a product of Telikom PNG provides mobile service with competitive call and data rates with coverage available to most urban centers around the country.

In terms of mobile service, Telikom's shares in Bmobile have been transferred to the Independent Public Business Corporation, thus Bmobile is a separate entity from Telikom since 2008. Radio broadcaster Kalang Advertising is one or two subsidiary companies with Telikom staking 100 percent ownership and 54 percent share for PNG directories.

Events

PNG COMPUTER SOCIETY HOSTS ITS FIRST SEMINAR

PNG Computer Society hosted its first seminar on the 23rd of April, 2015. The Seminar had more than 50 Participants who were there to listen to four speakers presenting on various topics. The seminar ended with a light Cocktail to witness the certification of few IT Managers obtaining Membership with PNG Computer Society.

Story By: Alice Areori

19th of June, 2015

PNGCS ANNUAL GENERAL MEETING

Strory By: Dorothy Bumara (Member PNGCS)

PNG Computer Society had its Annual General Meeting on the 19th of June, 2015 at the Lamana Conference Room. The society's Financial Statements for the year 2014 together with the Presidents Report shared by the President, Mr Mick Nades to all Members present. The Meeting started at 4 PM and finished at 5 PM. One of the highlights of the meeting was World Computer Congress Invitation to PNG Computer Society to give a speech at the South East Asia Regional Computer Confederation (SEARCC) chapter of the congress.

Rural Tech Development visits IBS

A seminar was conducted Last April 30,2015 by Mr. Shahram Honarzad Robotics at IBS 11 Mile Campus attended by IBS IT Students and lecturers.

This also served as the launching of their new initiative called PERL (PNG Education Robotic Lab).

The aim of this initiative is to enhance learning in Science, Tech-nology, Engineering and Mathematics using Robotics model.

Mr. Honarzad explained to the students the different types of robots on display, he demonstrated and explained how to build, create and program tasks for

WOMAN IN IT

Papua New Guinea's Leading ICT Entrepreneurs

Dorothy Bumara

PNGCS Member

IT Service Desk Supervisor

The start of my education career was at the Institute of Business Technology where I took up a 6 months course studying as an **electronic technician**. I was one of the two female students among the rest of the male students in class. It was challenging having to work in a male dominated field. Though there were a lot of challenges and struggles, I stood out among the rest of the students and my instructor during that time was pretty impressed that I was very determine to succeed.

My father (Mr Donald Bumara) was one of the biggest influence in my career today. He was a System Administrator and an Accountant for the Papua New Guinea Defense Force Headquarters. He inspired me to take up IT as a career as he believed that the world was getting more advanced because of Technology. I took up a PC specialist course in Thompson Direct Learning in Australia (online) and with that I continued to do my Diploma course and graduated in 2005.

After the completion of my course the school arranged with Magisterial Services Head Quarter for my job training. My job training included working on two main projects. I had to help program a software system called the **Intranet helpdesk System.** This system was built to assist the users to solve basic IT issues themselves and go online for helpdesk support. This project was very challenging but was a great learning experience for me.

With the programming knowledge and experience that I gained I decided to focus on Service desk in particular and found out where my strengths were in the IT Service desk field and that was, "managing quality service in the IT service departments". This then led me to take up the **Information Technology Infrastructure Library** course to advance my knowledge in that particular area. It has now broaden my understanding of how the Information Technology Infrastructure works and the whole IT Cycle. My education in that field has had a great impact on me and so I was awarded an ITIL certificate in 2014 after completing my course with the ILX learning online.

I am now the **IT Service desk Supervisor** with the Institute of Business Studies. I am a mother of two beautiful daughters Donalyne 7 and Amanda 3. Taking IT as a career and at the same time being a mother and a wife is very challenging. There are a lot of expectations at work and at home as well. I've been in this field for eight years and have been able to balance all the responsibilities though I've encountered a lot of problems. This has led me to think that I am one of the few strong Women in Information Technology .With all the knowledge & skills I've acquired so far I hope I can be able to contribute to the future generations who have an interest in taking up IT as their career by building an IT institute to train our young Papua New Guineans the Techniques in IT.

"Never give up on what you think is impossible". "Work on making your dream a reality".

Leeanne Kenewi IT Officer PNG Accident Investigation Commission

PNGCS Member

My experience in the I.T field.

Being in a male dominated field is challenging and exciting experience.

My experience is that, an attitude a women should possess in this field is to be approachable. I have found that when you display this attitude as a woman, it allows people who come in to work with you on technical problems feel at ease, make the working environment comfortable, communication is less complicated and leads to problems being rectified or solved quicker.

In my organisation when there is a technical difficulty, I normally approach engineers from IT Companies in my capacity as being the officer in charge of IT. All have been males; sometimes having to work with them during weekends and after hours.

Being young, I am faced with the challenges of making decisions, sometimes not acceptable to my organization and sometimes they are acceptable by my organisation which expresses appreciation. I have been placed in the spotlight when things go wrong and yes my role has made me grow stronger as a person.

I am required to be there every day in the office, sometimes during weekends or after hours just to keep the system up to cater for users who are in the office and of-course having to balance family commitments along with my career.

I am still learning and I know I still have a long way to go but as the saying goes*," **Learning never stops until you are six feet under".** Technology changes every day and yes; I need a lot of continuous training, so hopefully I get recognition and approval from my employer to undergo training to up skill myself..

My encouragement to females in Primary School, secondary and tertiary institutions, who are interested in the ICT Field, if your heart is in Technology, I can encourage you to go for it!

Learn to be approachable, open to criticism, and do not allow yourself to be intimidated by males; and always ask questions whenever in doubt..

Health-Monitoring Tattoo

Form and function

A small, flexible sensor and patterned electrodes, screen-printed on temporary tattoo paper and transferred to a person's arm, can measure the glucose levels of a diabetic without the regular bloodletting required with glucose test strips.

Innovator Joseph Wang

Age 67

Nano-engineering chair at the University of California at San Diego

Origin In 2011, Wang conceived of the tattoo as a way to gauge stress and injury in soldiers through sweat.

1.

Ionization The patient attaches a glucose meter to the tattoo to apply a mild electrical voltage for 10 minutes, drawing sodium ions on the skin toward the electrodes.

Redesign Wang and his UCSD colleagues retooled the tattoo as a lower-voltage version of wristband glucose monitors that sold poorly because they required too much electricity for wearers' comfort.

Cost Wang says the device costs a few cents to make; glucose strips retail for more than $1 apiece.

Funding So far, development has been fully funded by UCSD.

2.

Analysis A sensor containing the enzyme specific to glucose measures the patient's sugar concentration and relays the readings to the meter.

Next Steps

Wang says he's in talks with commercial partners to refine the as-yet-unnamed design before seeking FDA approval. The final version, he says, will include a separate instrument with a numeric display that can send readings to a doctor via Bluetooth, and the tattoo could be tweaked to assess the wearer's concentration of metabolic molecules or deliver medicine through the skin. ——*Belinda Lanks*

All in favor, look up from your cell phones.

Hafeez.

It's OK. You'll always remember him by your security question.

What did God say after creating Adam? I must be able to do better than that!

The bride, upon her engagement, went to her mother and said,
"I've found a man just like father!".

Her mother replied,
"So what do you want from me, sympathy?"

Never let your man's mind wonder – it's too little to be out on its own.

Man: Haven't I seen you someplace before?
Woman: Yes, that's why I don't go there anymore.

Men are like ... Placemats.

They only show up when there's food on the table.

QUINTANAR

DID YOU KNOW???

Grace Hopper

UPI/THE BETTMANN ARCHIVE

American mathematician Grace Hopper was one of the pioneers of computer programming. She helped develop two computer languages and made computers easier for businesses to use.

Supercomputer

A supercomputer is a powerful computer used for very complicated tasks. The fastest supercomputers can carry out trillions of calculations per second.

Early Computers

THE BETTMANN ARCHIVE

The earliest computers were so big that they filled entire rooms! This picture shows one of the first computers, UNIVAC I, which was invented in 1951.

Telephone Switching Hub

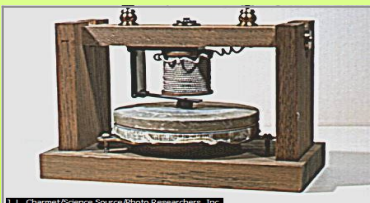In a large office building, many telephone lines come together at a switching centre called a hub.

Roger Ressmeyer/Corbis

Communications Satellite

NASA/Science Source/Photo Researchers, Inc.

Satellites floating in space have made communication over long distances easier and cheaper. A communications satellite receives a signal from Earth and then sends the information—a phone call, fax, or e-mail message—

Bell's Telephone

J. L. Charmet/Science Source/Photo Researchers, Inc.

Alexander Graham Bell developed this telephone in 1875. A year later he came up with a working model and made a famous phone call, telling his assistant, "Watson, come here; I want you."

Culver Pictures

2015

ICT expo

EDITORS REMARKS

Dear Members,

I hope you all have enjoyed this first Edition of the PNG Computer Society Monthly Digest. This publication is a collection of the society's events and selected articles from the Business & Technology journals to keep you up to date.

We welcome you to join us monthly on this journey by keeping up with us in this publication.

Your contribution and feedback for this publication is important so if you have any articles, suggestions, critics or comments please do not hesitate to forward to me on pngcs.info@gmail.com

Have a great Month.

Warm Wishes

Alice Areori– Editor

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Always there

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ICT EXPO– SEPTEMBER 7TH, 2015