

HACKATHON 2024

“HACK4CHANGE”

JUL 12 - JUL 15, 2024 | Lae-Morobe, Papua New Guinea

Inaugural Hackathon with Academia- UNITECH

Program



1. Introduction

This will be the inaugural Hackathon event “HACK4CHANGE” with Academia organised by PNG Digital ICT Cluster and PNG University of Technology (PNG UoT). The event aims to promote problem solving skills, collaborating, community spirit, team work, mentoring and coaching and investor readiness for Papua New Guinea entrepreneurs, students and or talents' creative ideas and innovation within Academia in solving real life problems.

Hack4Change is an all inclusive program where participants (hacking teams) apply through a formal registration process and qualify to participate. The event will be exciting and promise positive and competitive results supporting three key pillars - Economic, Social and Environment and will assist in creating pathways for ICT Solutions to address issues in the areas of the UN 17 SDGs (Sustainable Development Goals).

The Hackathon aims to bring together innovators, end-users, creatives, investors, experts, policy makers, business and ICT practitioners, researchers, educators and thought leaders in different sectors to come together to participate in the development of the startup ecosystem for progression and investment in new ideas through problem solving.

The event will showcase

- a) **Startup Problem Solving skills and Idea Creation**
- b) **Mentoring and Coaching Development**
- c) **Pitching, Talent and Collaboration Showcase**
- d) **Seed Funding and Capital Raising pathways for new ideas**

HACK4CHANGE will focus on the theme “**Readiness for Green Financing - Be the Problem Solver. Hack for Change**”. This will initiate and establish ICT Cluster Innovation HUB through our MoU anchored in Universities to drive Industry collaborations, Incubator/Accelerator modeling, Entrepreneurship, Patent IP and R&D.

2. Objectives

The event is expected to be of significant interest to academics, students, policy makers, industry leaders, financial institutes, news media, startups and SMEs, individuals who are interested in ways of solving problems through use of ICTs.

3. Participants

75 participants - Friday Launch Day , 40 participants - Saturday & Sunday Hack

Teams & 100 participants Monday Pitch day

4. Alignment

- Hack a problem and solve within minimum given time and resourcing
- Foster an environment for collaboration and team work
- Promote Problem solving skills and Creative mindsets
- Promote and Build Mentoring Coaching and Investor networks
- Build and support ecosystem of solution developers through entrepreneurship, talent recognition and innovation



An ICTSI Group Company



Connecting you Anywhere Anytime

DAY 1 EVENT – FRIDAY JULY 12, 2024

INAUGURATION - RK LECTURE THEATRE, UNITECH



12:00 - 01:00	Registration
01:00 - 01:05	Opening Prayer - ICT Cluster - VP Domestic - Mr Paul Muingnepe
01:05 - 01:10	Welcome Remarks - PNG UoT - Head of ICTS - Mr Russell Deka Harada
01:10 - 01:20	Keynote: Industry and Academia Collaboration via MoU PNG UoT - Vice Chancellor - Prof. Ora Renagi
01:20 - 01:30	Platinum Sponsor Remarks - Embracing Technology and the future ICTSI South Pacific - Head of Human Resources, Ms Mary Tarabu
01:30 - 01:40	Platinum Sponsor Remarks - Digital Transformation Leadership Department of ICT - Executive Manager, Cybersecurity and Digital Government standards, Ms Georgina Kiele
01:40 - 01:50	CEFI's Involvement in Digital Space and Opportunities for Young Generation Center of Excellence for Financial Inclusion (CEFI) Gender Activity Coordinator, Ms Daisy M Moses
01:50 - 02:10	Welcome sponsors for open remarks Ela Motors Niupay powered by AWS BSP Financial Group Ltd
02:10 - 02:20	Young Entrepreneur Minds - "Set Your Goals - Be a Problem Solver" Miss Crystal Kewe -CTO Crysan Technology - Young Entrepreneur (Self Taught). Winner of APEC 2018 App Challenge PNG and Digital Prosperity Award 2018
02:20 - 02:30	NAIST - BRIDGES Exchange program - Software Engineering PNG UoT - Head of ICTS, Mr Russell Deka Harada Nara Institute of Science & Technology, Japan - Associate Prof. Raula Kula
02:30 - 02:40	Group Photo Session - Break
02:40 - 02:50	SME Corporation - Self Reliance: Empowering our Youth SME Corporation - Chairman Mr John Pora
02:50 - 03:10	Announcing Hackathon Participants Introduction of Thematic Topics Our Teams - 6 Teams of 4 persons Our Mentors - 6 Mentors Our Panel of Judges - 5 Judges
03:10 - 03:20	.PG (country code top level domain-cctld) Promotion and Awareness PNG UoT - Head of ICTS, Mr Russell Deka Harada
03:20 - 03:25	Entrepreneurship Training and Investor programs Cluster collaboration with National Stock Exchange (PNGX), GIST and partners - ICT Cluster VP International - Ms Priscilla Kevin
03:25 - 03:30	Closing Remarks - ICT Cluster VP Domestic - Mr Paul Muingnepe
03:30 - 04:00	Media and Press Cover
04:00	Event Close



An ICTSI Group Company



DAY 2 EVENT – SATURDAY JULY 13, 2024

TEAMS SESSIONS - RKLTY FOYER 1

Teams and Mentors



08:00 - 09:00	Team Arrivals
09:00-09:10	Welcome Teams to Begin Session - Session Coordinator
09:10 - 10:10	Hack Round 1 Begins
10:10 - 10:25	Coffee/Tea Break
10:25 - 11:25	Hack Round 2
11:25 - 12:25	Dry Run 1 Solutions - Pitch Runs
12:25 - 01:25	Lunch
01:25 - 02:25	Hack Round 3
02:25 - 03:25	Dry Run 2 Solutions - Pitch Runs
03:25 - 03:40	Project Lead Reminders, Presentation, Posture, Brand
3:40pm	End of Day 2 - Teams can continue on their way rehearsing, prepping. 5pm rooms close

DAY 3 EVENT – SUNDAY JULY 14, 2024

08:00 - 09:00	Team Arrivals
09:00 - 09:10	Morning Sermon - Mr. Nick Kevin-Catalyst Academy - Character Development
09:10 - 09:20	Talk: Investments in Startups Niupay - CEO James Inglis
09:20 - 10:20	Hack Round 4
10:20 - 10:35	Coffee/Tea Break
10:35 - 11:35	Hack Round 5
11:35 - 12:35	Dry Run 3 Solutions - Pitch Runs
12:35 - 01:35	Lunch
01:35 - 02:35	Hack Round 6
02:35 - 03:35	Dry Run 4 Solutions - Pitch Runs
03:35 - 04:00	Project Lead Reminders, Presentation, Posture, Brand Run Down on Pitch Day Monday - Session Coordinator
4:00pm	End of Day 3 - Teams can continue on their way rehearsing, prepping. 5pm rooms close



An ICTSI Group Company



DAY 4 EVENT – MONDAY JULY 15, 2024

PITCH DAY - RK LECTURE THEATRE, UNITECH

Panel of Judges, Teams and Audience



08:00 - 09:00	Registrations
09:00 - 09:10	Opening Prayer
09:10 - 09:15	Welcome Remarks - President Winifred Kula Welcome Judges, Sponsors and Guests
09:15 - 09:30	Innovation Hub Modelling NICTA Universal Access Service (UAS) - Hub Development Speaker TBC
09:30 - 09:45	Cloud Technology Niupay powered by Amazon Web Services (AWS) CEO James Inglis
09:45 - 11:45	Welcome Teams - Vice President International - Priscilla Kevin Team Judging Begins Team 1, Team 2, Team 3, Team 4, Team 5 and Team 6
11:45 - 12:00	Judges Finalise Winners - PNG UoT Head of ICTS - Russell Deka Harada Presentation by Platinum sponsors and special guest of honor Winners announced at Lunch - 1 st Place, Runner Up 1, Runner Up 2
12:00 - 01:00	Lunch Presentation of Hackathon Winning Teams and participants
01:00 - 02:00	Platinum Sponsors Closing Remarks ICTSI South Pacific - Representative Department of ICT - Representative Sponsor open remarks Presentations - Sponsors, Judges and Mentors PNG UoT Remarks - Vice Chancellor Prof. Ora Renagi Cluster Closing Remarks - President Winifred Kula
02:00 - 02:30	Press Photos and Commentaries
02:30	Program Closes



An ICTSI Group Company







PARTICIPANT PROFILES



PROGRAM MENTORS, GUIDES AND JUDGES

PANEL JUDGES

	Platinum Sponsor Judge - Technology Infrastructure ICTSI South Pacific Ltd Terminal Operating Systems (TOS) Manager Mr. Chris Arufe, BSCS
	Platinum Sponsor Judge - Innovation Investments Department of Information and Communications Technology (ICT) Independent State of Papua New Guinea Executive Manager - Cybersecurity and Digital Government Standards Ms. Georgina Kiele
	Female Business and Investment Judge Kumul Investments Ltd Chief Executive Officer (CEO) - Ms. Jennifer Baing Waiko
tbc	Technology and Industry Judge Lae Chamber of Commerce & Industry (LCCI) Executive TBC
	Research & Development Judge Department of Electrical and Communications Engineering Senior Lecturer Mr. Herman Kunsei - PNG UoT

MENTORS AND COACHES

	Business ICTSI South Pacific Ltd Core Business Applications TOS Assistant Manager Mr. Glen Meaurio		Investment and Finance Agri-Tech Organics (PNG) CEO Mr. Christopher Vagalia
	Technology Niupay powered by Amazon Web Services (AWS) CEO - Mr. James Inglis		Design, Branding, Teams Miss. Amy Rombuk Web Logic Administrator BSP Financial Group Ltd SwitchMaven, Girls in ICT
	Standards and Cybersecurity Department of ICT Executive Manager, Cybersecurity and Digital Government Standards Ms. Georgina Kiele		Digital Strategy Miss. Crystal Kewe CEO Crysan Technology
	Software Engineering Dept of Maths and Comp. Science Mr. Lenz Nerit, BSCS	tbc	Dress, Presentation, Confidence TBC

Note: Profiles will be shared to the Hackathon teams during sessions.

HACKATION THEMED TOPICS

THEME: Readiness for Green Financing - Focusing on UN 17 Sustainable Development Goals(SDGs)



Category example: Justice and Social

Build a unique Mentoring Coaching & Council platform for Retirees & Elders to engage through a stipend process as a retirement from the Workforce. Government and Social sector entities to engage in this platform on wealth of wisdom and knowledge into needed areas for development and allow for youth and younger talent to achieve succession planning both in private and public sector spaces on new and changing roles to support nation building. Retirees continue to serve in their own capacities after leaving job and within the platform of engagement, with financial freedom and time as well as continuing maintaining their healthy superannuation retirement benefits into the future..

Category example: Biodiversity

"Biodiversity underpins Economic Activity". "It is the Foundation of Life on Earth". What can we solve for the world through our unique biodiversity? What kind of Innovation can we build that is unique? In this theme, we are looking at mapping a complete picture of PNG's unique diversity position through a data mapping process. Do you have what it takes to build this process and create the information hub for Innovation to flourish through bio diversity? You will need to display your skills through the use of Digital platforms to capture, map and manage the information for use.

Category example: Creative Industry - The Orange Economy

"Creativity will be the principal character of the Future". In this theme, we are seeking creatives to develop a wow design and or unique digital art & animation within areas of architecture, audiovisual arts, digital services, fashion, graphic and industrial design, handcrafts, music, and software portraying a message on one of the 17 Sustainable Development Goals. The Orange economy is a growing industry contributing to wealth of nations with missions to preserve authentic cultural data and promote the creative talent of new generation in today's digital era

Industry Sponsored Hack

Through our platinum sponsorship, teams will be presented a problem to hack to solve the challenge for the industry. Details will be provided to the teams to coordinate and develop the concept and prototype.



An ICTSI Group Company



TERMS AND CONDITIONS HACKATHON PARTICIPANTS



TEAMS APPLICATION PROCESS REQUIREMENTS

PREREQUISITES

1. Applications open Saturday 8th June 8am local time and closes Friday 5th July 12midnight local time.
2. Cluster selection committee will be evaluating the applications on the relevance to the thematic topics.
3. Successful Team announcements will be made via email to team contact Monday 8th July 2024 8am local time.
4. Participant teams must be have majority resident in Papua New Guinea and must be Lae based for the Hackathon in Lae and are able to attend the event in person.
5. Application Registration will be online via Cluster's preferred registration platform. All information gathered are strictly used for the Hackathon program planning and event.
6. Teams registering will need to upload a 5 minute intro video of their team and their proposed innovation
7. The link to the video must be shared via Google drive for download.
8. All Intellectual property (IP) rights protection are the responsibility of the participants.
9. Proposed Solutions must be related to solving the thematic area and must be less than 3 pages.
10. A Lean Canvas model document must accompany your application describing your Model/Plan

SOLUTIONS

Your Solution must be described in 3 pages or less

- 1) A Brief model/plan using the Lean Canvas model
- 2) Have a Digital ICT Element
- 3) Prototype/Mock ready
- 4) Team information

You must define how your solution will contribute to

- 1) Jobs,
- 2) Sector advancement,
- 3) Revenue generation, Good Change and Investments through Responsible Business
- 4) Promote Financial Inclusion,
- 5) Ease of Use & Access

AWARDS

	Area	1 st Place	2 nd Place	3 rd Place
1.0	Price Award	K2500	K1500	K1000
2.0	Team Certificates	✓	✓	✓
3.0	Access to Annual Techinnovate to present progress (Team Rep)	✓	✓	✓
4.0	Free Cluster Individual Membership 1 Year 2024 - 2025	Individual	Individual	Individual
5.0	Access to our Operating Cluster City Lab facilities during Membership	✓	✓	✓
6.0	Trial Capital Raising & Seed Funding on InvestInMe CrowdFund platform	✓	✓	✓
7.0	Access to Future Accelerator, Brand Guide, SME Training, Tech & Network programs	✓	✓	✓
8.0	Access to Branding and Business Guide (logo brand, Bus. Plan & VMV (Vision, Mission & Values)Development	✓	✓	✓

MENTORS & JUDGES

All mentors, judges and sponsors will receive our gratitude certificates for supporting the program



An ICTSI Group Company

