KERNEL 2024 (National ICT MONTH CELEBRATION 2024)
Theme: S.M.A.R.T CITY
(**RESPONSIVE**) - **R**obust **E**-CoSystems: **S**trategic **P**latform, **O**pen-collabs **N**etwork,
Savvy **I**nnovations, **V**irtual **E**conomy

InnoVa Hackathon: Fueling the Future
June 19-20, 2024 | 8:00AM | Valencia City Gymnasium and Cultural Center

MECHANICS

A. Participation

- The event is open to High School and College students from all accredited schools in Valencia City including invited schools outside Valencia City with exceptional capstone projects in the field of Information and Communication Technology (ICT).
- Only 10 teams may participate in the hackathon. A team should have 4 to 5 members who can be a project manager, data researcher, front-end developer, or back-end developer.

B. Screening Process

- Teams must select one out of the five challenges. They need to fill out the registration form: https://bit.ly/TechChallenge_ICTExpo to be considered for screening. Registration is FREE. The teams that passed the screening will receive an email or call containing additional information and guidelines about the hackathon.
- Parental consent is required and can be downloaded at https://bit.ly/ParentalConsent_TC_ICTExpo

C. What to Bring

- Participants should bring their own laptops, tools, and devices that they may need during the hackathon.
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D. Time to Build

- Teams will brainstorm on a solution and/or create wireframes/mockups including the development on the actual date and time of the event. Teams who violate this rule will be disqualified. The first line of code should be written on June 19, 2024, when the competition officially begins. The hackathon will span for a total of 24 hours. It will be followed by the pitch presentation and an awarding ceremony.

E. Mentors

- Teams will be given a chance to consult the hackathon mentors to help them refine their solutions. Each team will be given time to privately consult with each of the mentors per day.

F. Pitch

- Each team will be given three minutes to present their Product on June 20, 2024.

G. Prizes
- **Champion**   Php 9,000 + Certificate
- **1st - Runner Up**   Php 5,000 + Certificate
- **2nd-Runner Up**   Php 3,000 + Certificate

All participating teams will get a chance to showcase their solutions in front of key government and non-government agencies and private sectors that support startups and SMEs.

Winning teams may have an opportunity to enter into a Memorandum of Agreement with the City Government of Valencia and be funded for R&D and pilot-testing of their technology once it has undergone formal proceedings. Non-winning teams will receive Certificates of Participation.

JUDGING CRITERIA

A. Idea and Innovation: (40%)
- Originality: Is the concept fresh and unique? Does it offer a new approach to an existing problem?
- Creativity: Does the solution showcase innovative thinking and problem-solving skills?

B. Technical Execution: (30%)
- Functionality: Does the project work as intended? Is it user-friendly and intuitive?
- Technical Difficulty: Did the team utilize advanced technologies or demonstrate strong programming skills?
- Scalability: Can the project be easily adapted or expanded to serve a larger audience?

C. Project Impact: (20%)
- Impact: Does the project address a real-world need or challenge? Does it have the potential to make a positive difference?

D. Presentation: (10%)
- Clarity: Can the team clearly explain their project and its value proposition?
- Comprehensiveness: Does the presentation cover all key aspects of the project?
- Overall Impression: Is the presentation polished and engaging?
- Design: Does the project have a user-friendly and visually appealing interface (if applicable)?

Additional Notes
- The judging panel's decision is final.
- The organizers reserve the right to modify the mechanics, guidelines, and judging criteria as necessary.

InnoVa Hackathon FAQ

This FAQ provides answers to frequently asked questions about the InnoVa Hackathon in Valencia City.

- **InnoVa Hackathon:**
  'InnoVa Hackathon' or Innovative Valenciano Hackathon is a first-ever event of the

National ICT Month celebration in the City of Valencia. It aims to ignite creative expression and problem-solving using technology.

Here's how the InnoVa Hackathon will contribute to the spirit of National ICT Month:

- **Sparking Creativity:** The hackathon format encourages participants to think outside the box and develop innovative solutions using technology. Whether it's designing a new mobile app, creating a web-based platform, or utilizing data visualization tools, the focus is on fresh ideas and unique approaches.

- **Enhancing Problem-Solving Skills:** The hackathon presents real-world challenges or open-ended themes that demand creative problem-solving. Participants will need to analyze situations, identify core issues, and leverage their technological skills to develop effective solutions.

- **Promoting Collaboration:** The hackathon fosters teamwork and collaboration as participants with diverse skillsets come together to form teams. This collaborative environment encourages knowledge sharing, open communication, and the ability to work effectively towards a shared goal.

- **Building a Tech-Savvy Community:** By bringing together students, developers, entrepreneurs, and business owners, the InnoVa Hackathon fosters a vibrant tech community within Valencia City. This creates a space for knowledge exchange, networking, and fostering future collaborations within the tech sector.

- **Elevating Local Innovation to the Global Stage:** Connecting local talent with this global event like NASA Space App Challenge as their Local Lead.

Overall, the **InnoVa Hackathon** serves as a catalyst for tech-driven creativity and problem-solving during National ICT Month. It empowers participants to explore their potential, showcase their skills, and contribute to the city's growing technological landscape.

- **Hackathon:**
A hackathon is an intense, collaborative event where people with diverse skills come together to solve problems using technology. Imagine a marathon for programmers, designers, and creative minds! These events typically last from 24 to 72 hours, pushing participants to work intensively in teams or solo to tackle specific challenges or a central theme. From developing mobile apps to designing data visualization tools, the focus is on innovation and finding tech-driven solutions. Hackathons attract a wide range of participants, from programmers and designers to project managers and data scientists, fostering a unique environment for learning new skills, collaborating, and potentially winning prizes for the most innovative solutions.

- **Event Format:**

  - **Onsite Event:** The InnoVa Hackathon is an in-person event held at the Valencia City Gymnasium and Cultural Center.

  - **Age Requirement:** The event is open to High School and College students from all accredited schools in Valencia City including invited schools outside Valencia

City.

- **Participation:**

  - **Anyone Welcome:** No prior experience is required to participate.

  - **Team Requirement:** Participation is in teams of 4-5 members with designated roles (Project Manager, Data Researcher, Front-end Developer, Back-end Developer).

  - **Pre-Event Training:** There are no formal trainings, but mentors will be available on-site to guide you.

- **Logistics:**

  - **Registration:** Registration includes answering basic team questions. Shortlisted teams will be notified.

  - **What to Bring:** Laptops, mobile phones, and your creative spark!

  - **Cost:** Free registration. Meals and transportation are not covered.

  - **Certificates:** Certificates of Participation will be awarded to attendees and participants.

  - **Internet:** Wireless internet access will be provided.

- **Data & Challenge:**

  - **Data Access:** Ten participating teams will receive access to an open data portal with city data before the event for planning. Development starts at the event.

  - **Challenges:** Choose from five innovation challenges to solve during the hackathon.

- **Event Duration:**

  - **Spectators:** Welcome at the kick-off ceremony and/or judging.

  - **Participants:** Must stay for the entire two-day, one-night event to be eligible to win.

- **Food & Beverages:**

  - **Meals:** Please note that food and drinks are not included with your participation. We recommend bringing your own food and drinks for the event.
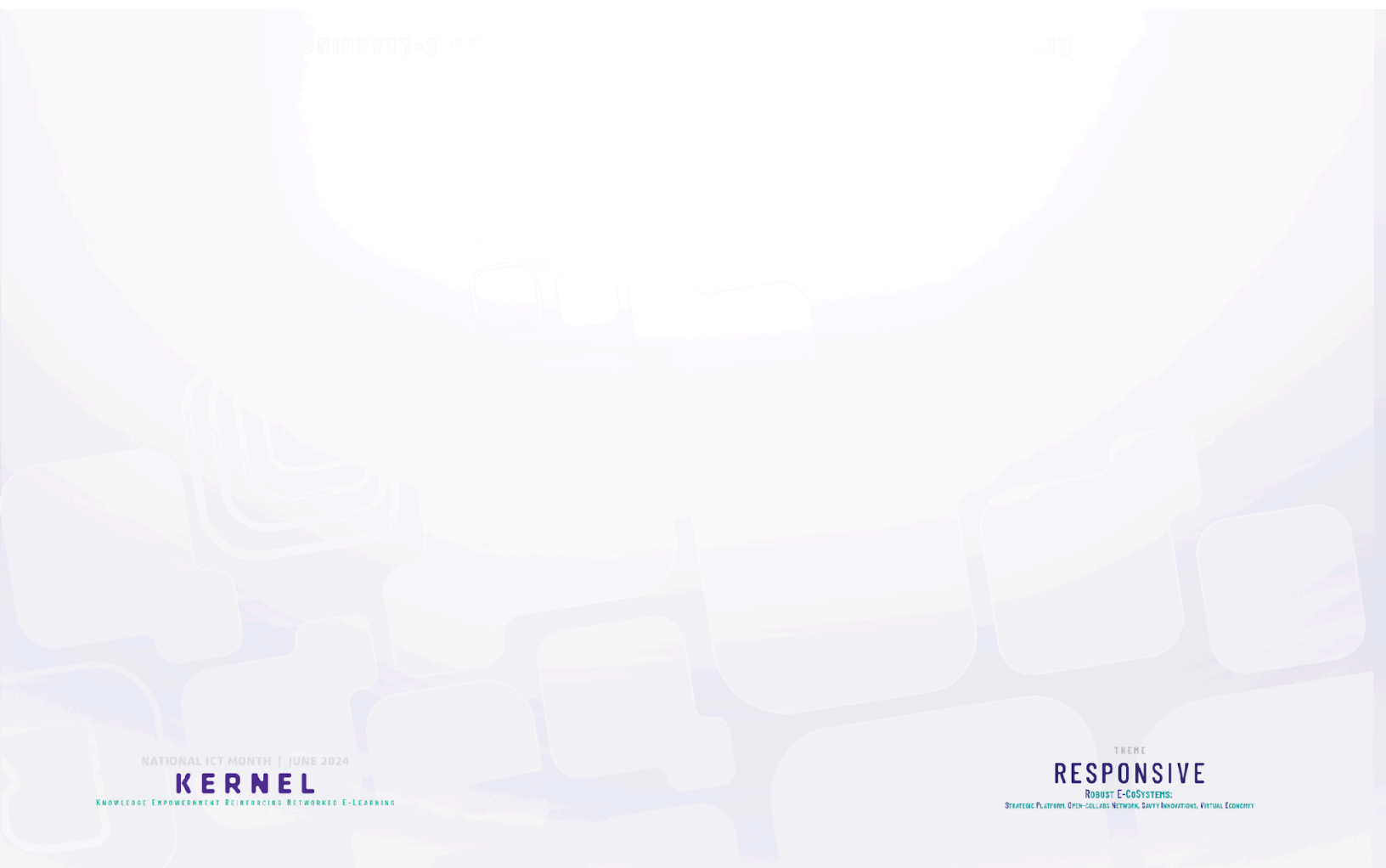
- **Judging:**

  - **Presentations:** All ten teams will present their solutions to a panel of judges.

  - **Judges:** The panel includes the Mayor, Vice Mayor, City Planning and Development Officer, and a technical expert.

- **Intellectual Property:**

- **Ownership:** Teams own the intellectual property of their solutions. Open-sourcing your code is mandatory.

- **Verification:** Teams will undergo a pre-presentation check to ensure projects are created during the hackathon. Open-source libraries and your own libraries are permitted.

- **Confidentiality:**

  - **Images:** By attending, you grant permission for the City Government to use your image in event publications.

  - **Project Details:** Confidentiality of your work details will be respected upon request.

- **Third-Party Components:**

  - **Open-Source Libraries:** You can use any software declared in your presentation and used lawfully under their license.

  - **Component Licensing:** You must comply with the licensing terms of any third-party components used.

We hope this FAQ clarifies any questions you may have about the InnoVa Hackathon!

NATIONAL ICT MONTH | JUNE 2024

KERNEL
KNOWLEDGE EMPOWERNMENT REINFORCING NETWORKED E-LEARNING

THEME
RESPONSIVE
ROBUST E-CoSYSTEMS:
STRATEGIC PLATFORM, OPEN-COLLABS NETWORK, SAVVY INNOVATIONS, VIRTUAL ECONOMY

OVERVIEW OF KERNEL 2024 (National ICT MONTH CELEBRATION 2024)

The annual National ICT Month in June champions the Philippines' digital transformation. It aims to boost awareness of Information and Communication Technology (ICT) across society, bridge the digital gap by encouraging widespread adoption of digital tools and showcase innovation and inspire Filipinos to shape the nation's digital future.

Legally established by Presidential Proclamation No. 1521, series of 2008, National ICT Month reflects the government's commitment to an ICT-empowered society.

KERNEL 2024 is a month-long celebration in the City of Valencia happening this June 6-26, 2024 to promote the Philippines' National ICT Month. The theme this year is **"S.M.A.R.T. CITY (RESPONSIVE) - Robust E-CoSystems: Strategic Platform, Open-collabs Network, Savvy Innovations, Virtual Economy"**. Target participants are the public, students, government officials, freelancers and online gamers. There will be an **ICT Fair - Boot Up: Paleng QR Ph** to introduce digital payment methods, a **Tech Challenge** for students to showcase their creativity and problem-solving skills in technology, a **Digital Literacy** program for government officials, *"Land the Gig"* training to empower virtual assistants and freelancers, and lastly, a **Kernel Esports League** to promote esports and responsible gaming.

Thus, this series of activities aims to promote digital inclusion and technological advancement across various sectors in the community. The culmination day celebrates the month's achievements and fosters a collaborative tech environment.

Here's the complete lineup of activities of the National ICT Month for you to explore:

1) **ICT FAIR - June 06, 2024 |** Valencia City Central Market
   a) BOOT UP
   b) Paleng QR Ph Kickoff: Bye Bye Sukli!

2) **TECH CHALLENGE - June 19-20, 2024 |** Valencia City Gymnasium and Cultural Center
   a) Digital Poster Making
   b) Film Making

3) **ICT EXPO - June 19-20, 2024 |** Valencia City Gymnasium and Cultural Center
   a) InnoVa Hackathon
   b) Capstone Showcase & Business Matchmaking

4) **DIGITAL LITERACY - June 21-22, 2024 |** ACLC Colleges of Bukidnon
   a) Bridging the Tech Gap: Empowering Government with New Skills in Google Space
   b) Land the Gig: Essential Training for VAs & Freelancers

5) **KERNEL ESPORTS LEAGUE - June 24-26, 2024 |** Robinsons Place Valencia
   a) Mobile Legend
   b) Dota 2

6) **CULMINATION DAY - June 24-26, 2024 |** Robinsons Place Valencia

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