

#### CityU Science Patent Challenge

Information Session

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# About the Patent Challenge



- Unconventional STEM Competition
  - Any scientific-technological inventions for the good of humanity
  - Innovative enough to win patent protection
- In line with our Global Research Enrichment and Technopreneurship (GREAT) programme
  - To nurture students who are interested in pursuing a career in scientific research or starting business ventures
- Patent filing as an award  $\rightarrow$  Be a Real Inventor !



## Patent Challenge – Participation



- School-based submission: each school can submit at most 2 entries
- Each entry can be either on an individual basis or team basis (8 students max per team); each entry should have a mentor teacher
- You still have time to decide the number of entry and team members (information provided in your submission by 29 Dec 2023 is considered to be final)

#### About Your Invention



- Any scientific-technological inventions for the good of humanity
- Should be innovative, scientifically sound & practical
  - Innovation idea SHOULD NOT BE published/submitted elsewhere before!!!
- Production of Prototype is not necessary



### Submitting Your Invention Idea

- The Mentor Teachers will submit the students' invention ideas in the format of:
  - a PowerPoint deck (max. 20 slides), or a Video (max. 5 min)
  - Must be in English
- Each student and mentor has to sign an Agreement on Confidentiality

## Suggested Content of Your Submission

- Title of your invention
  - e.g. A rapid colorimetric nitrite detection method based on ruthenium complexes
- Details and Contribution of each team member
  - Conceptualization, methodology, investigation, prototype fabrication, submission preparation





# Suggested Content of Your Submission

- Invention Description
  - 1. Detailed technical description; specify novel features of your invention
  - 2. The main functions and applications of your invention
  - Advantages of your invention over existing technology/product(s) on the market
  - 4. Status of your research (inception of idea / proof of concept / production of prototype)



#### Patent Challenge – An Overview



# Shortlisting & Pitching to Judging Panel

- Shortlisting: Early to mid-Jan 2024
- The College of Science will announce the shortlisted entries (about 8-12 entries) for the Final Pitch by 31 Jan 2024
- Pitching: 17 Feb 2024 (Sat); venue: CityU
  - 10 mins per shortlisted team to present the invention in front of the judging panel, followed by a Q&A session (English)

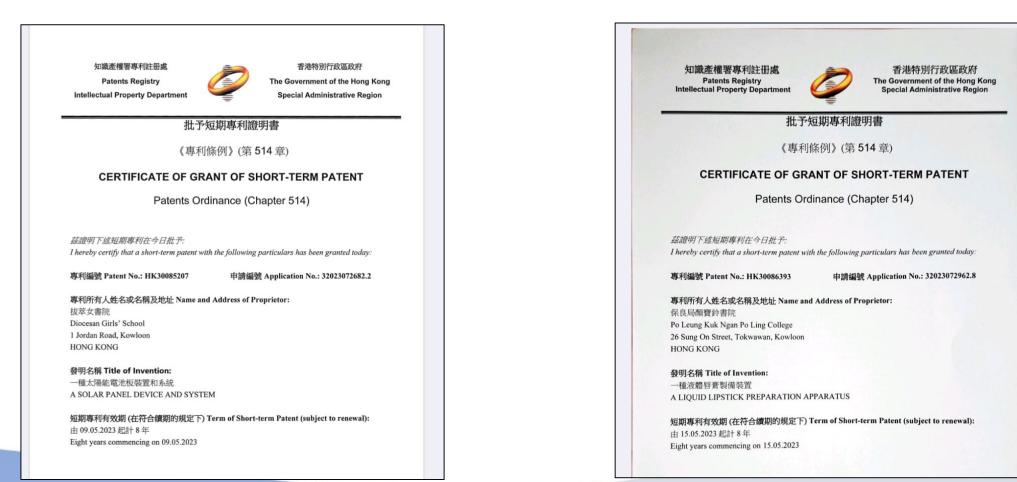




- A total of 8 12 Awards (Gold, Silver & Bronze) depending on the quality of submissions
- The College of Science will instruct a patent attorney to file an application for one *Hong Kong short-term patent* for the invention of each of the Gold and Silver Award winning teams
- The application for the patent will be filed in the name of the school



# Patents from our Winning Teams (2022)



#### Thank You



https://www.cityu.edu.hk/csci/local-school-outreach/cityu-science-patent-challenge-2023-24

