LESSONS FLOW

WEEK 7 TO 13







Create and develop team micro-project to showcase, validate and apply innovation

WEEK 4 TO 6





Deconstruct product, service or system to identify opportunity for team micro-project

WEEK 1 TO 3





Initiation to innovation and industrial trends to open mind-sets



Lesson 7 e-Learning (For Students)

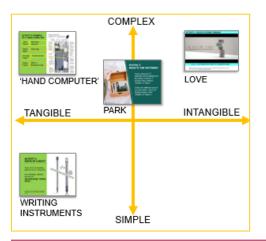


For Student

SECTION A



RECAP



Using Systems Thinking to deconstruct or Computational Thinking to decompose:

- Simple versus Complex things
- Tangible versus Intangible things

Look closely at the object and system.

Explore the complexity, the interaction between parts and people.

Ride on your observations and explorations, find opportunity to innovate, invent or reinvent.







Try to learn something about everything and everything about something."





G121 Innovation and Practice

Lesson 06: Recognize Opportunities For Innovation

School of Management and Communication





















Lesson Outcome

- Use sources of intelligence to show opportunities for micro-project idea
- Generate innovative concepts by deconstructing project topic with Systems Thinking



TRENDS ANALYSISFOR INNOVATION MANAGEMENT – IDEA STAGE

PURPOSE

Identify present & future trends to get ideas or understand which trends support a specific innovation topic or idea.

SCOPE

Examine macro and micro trends, global and local trends. Trends analysis can be unfocused (L03) or focused (L05 – L06).

E.g., Trend: Creating concepts with Social Impact



Folk, Kitchenware for the Blind



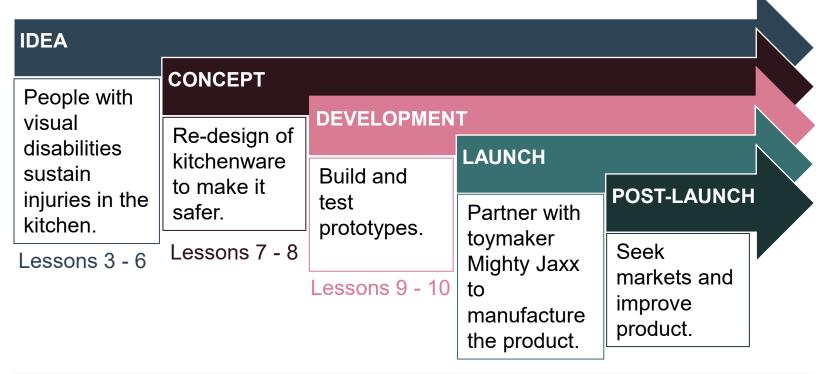
VIDEO 1: Young Designer Creates Cooking Tools For the Blind



VIDEO 2: Toymaker Offers to Produce Kitchen Tools for the Blind

FOLKS – KITCHENWARE DESIGNED FOR PEOPLE WITH VISUAL DISABILITIES

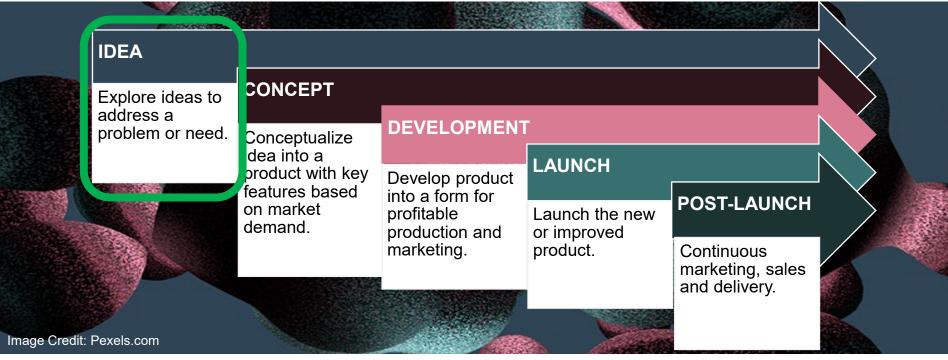
Example for Innovation Management



"Jackson Aw, founder of Folk, designed the kitchenware line during his studies in university. Folk, is partnering with Mighty Jaxx to produce the kitchenware."

INNOVATION MANAGEMENT STAGES & MICRO-PROJECT

- In the industry, Innovation Management is about developing and launching new products, services, technologies, concepts or processes to the market.
- Done in a way that maximizes the company's idea generation and innovation potential.
- Similar stages for G121 Innovation and Practice module.



SOURCES OF INTELLIGENCE & THE INNOVATION PROCESS



As the team sharpens the scope of micro-project topic, teams can begin to examine, but not limited to:

- Online Technology Marketplace e.g., IPI Marketplace
- Patents Library
 e.g., Google Patents

SOURCES OF INTELLIGENCE



Online Technology Marketplace

- Online Technology Marketplace is for Technology seekers and providers to post and find Technology Offers and Needs.
- A quick way to find real and available technologies.
- Such marketplaces facilitates the successful matching of technologies with innovators.

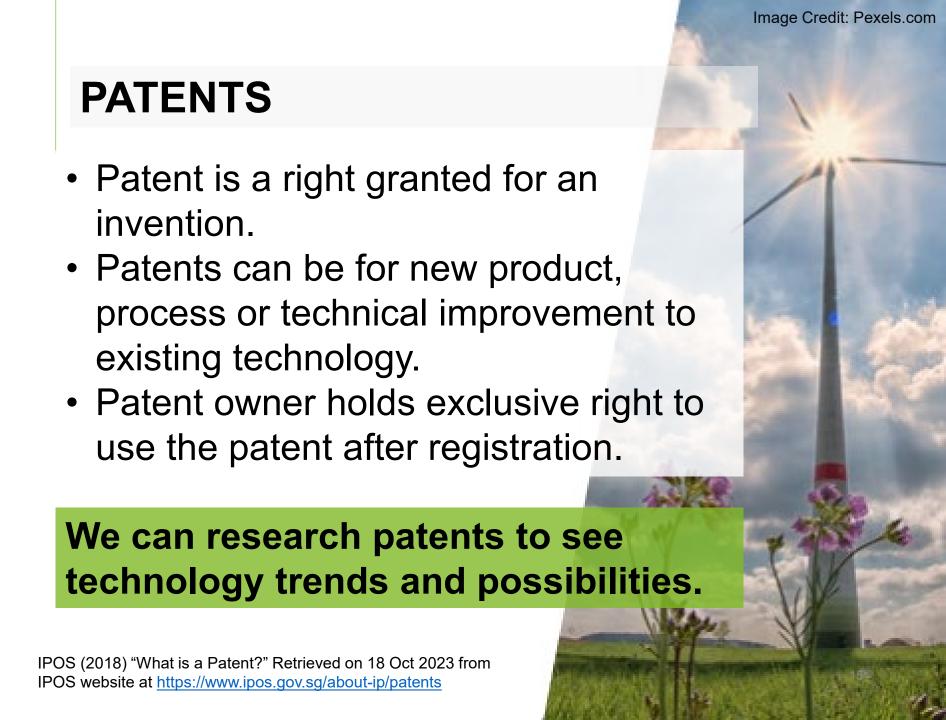
https://www.ipi-singapore.org/tech-offers



Growth Beyond Boundaries



QUICK TIPS FOR GOOGLE PATENTS SEARCH





- Complete the slides labelled for Lessons 5 & 6.
- Create your team's Systemigram (Slide 12) based on individual research done in Lesson 5.
- Use the PowerPoint template provided in Lesson 5. You can download from LEO 2.0.
- Upload to LEO 2.0 team submission folder (Lesson 6) before end of lesson.
- Team can still refine and create microproject idea after this submission.
- Cite your references with the example below:

J. Cutler (2015) "104 Questions for Product Development Teams" Retrieved on 18 Oct 2023 from Medium website at https://medium.com/@johnpcutler/104-questions-for-product-development-teams-5bc2dbae690e

TEAM MICRO-PROJECT TOPIC PROPOSAL

MINUTES TEAM
PRESENTATION TO
CLASS

3

MINUTES QUESTIONS & FEEDBACK

Likely Asked Questions (LAQs)

Microsoft Edge PDF Document

Download from LEO 2.0

J. Cutler (2015) "104 Questions for Product Development Teams" Retrieved on 18 Oct 2023 from Medium website at https://medium.com/@johnpcutler/104-questions-for-product-development-teams-5bc2dbae690e







Team Evaluation Survey in LEO 2.0:

- Students to complete by 2359 hr
- Provide a fair evaluation for the questions in the survey





References

Weblinks:

- Google (n.d.) "Google Patents" Retrieved on 18 Oct 2023 from Google website at https://patents.google.com/
- IFI Claims Patent Services (n.d.) "Convertible wheelchair and methods for making the same" Retrieved 18
 Oct 2023 from Google Patent website at
 https://patents.google.com/patent/US6896079B1/en?q=wheelchair&q=scooter&oq=wheelchair+scooter
- IPOS (2018) "What is a Patent?" Retrieved on 18 Oct 2023 from IPOS website at https://www.ipos.gov.sg/about-ip/patents
- J. Cutler (2015) "104 Questions for Product Development Teams" Retrieved on 18 Oct 2023 from Medium website at https://medium.com/@johnpcutler/104-questions-for-product-development-teams-5bc2dbae690e
- Berkeley (n.d.) "Thomas Huxley" Retrieved on 18 Oct 2023 from Berkeley website at https://ucmp.berkeley.edu/history/thuxley.html
- Global Intelligence Alliance (2007) "Market Intelligence for Innovation and Product Life Cycle Management"
 Retrieved on 18 Oct 2023 from GIA website at https://www.m-brain.com/wp-content/uploads/2015/04/10879.pdf



References

Videos:

- CNA Insider (2018) "Young Designer Creates Cooking Tools For The Blind | Made In Singapore |
 CNA Insider "Retrieved on 18 Oct 2023 from YouTube website at
 https://www.youtube.com/watch?v=w0hE6DdqRFo
- CNA Insider (2018) "Toymaker Offers to Produce Kitchen Tools for the Blind | Made In Singapore |
 CNA Insider "Retrieved on 18 Oct 2023 from YouTube website at
 https://www.youtube.com/watch?v=NVsXtTGaN8U