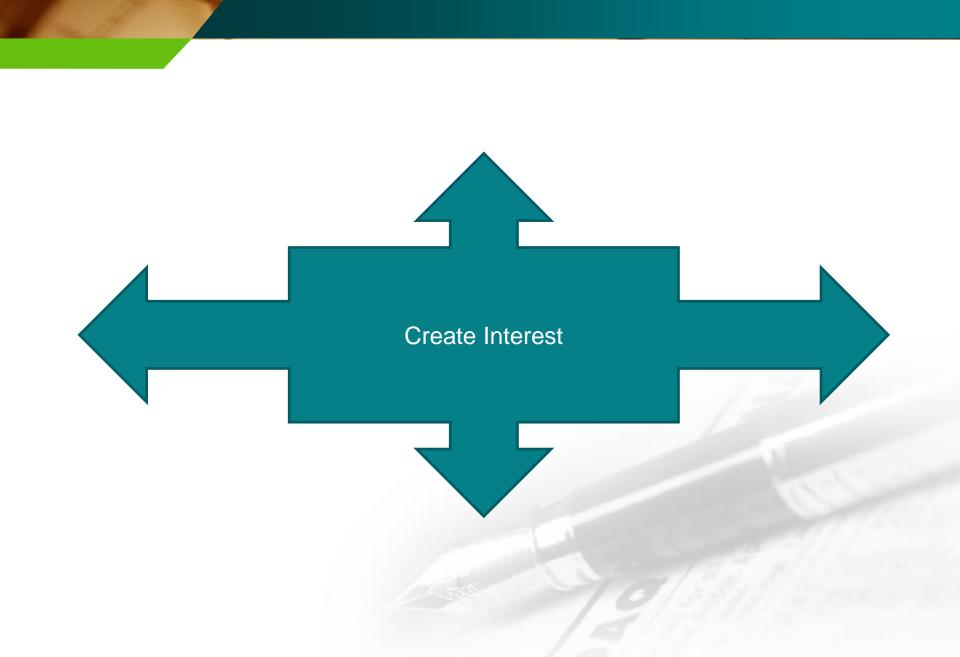
Critical and Innovative Thinking

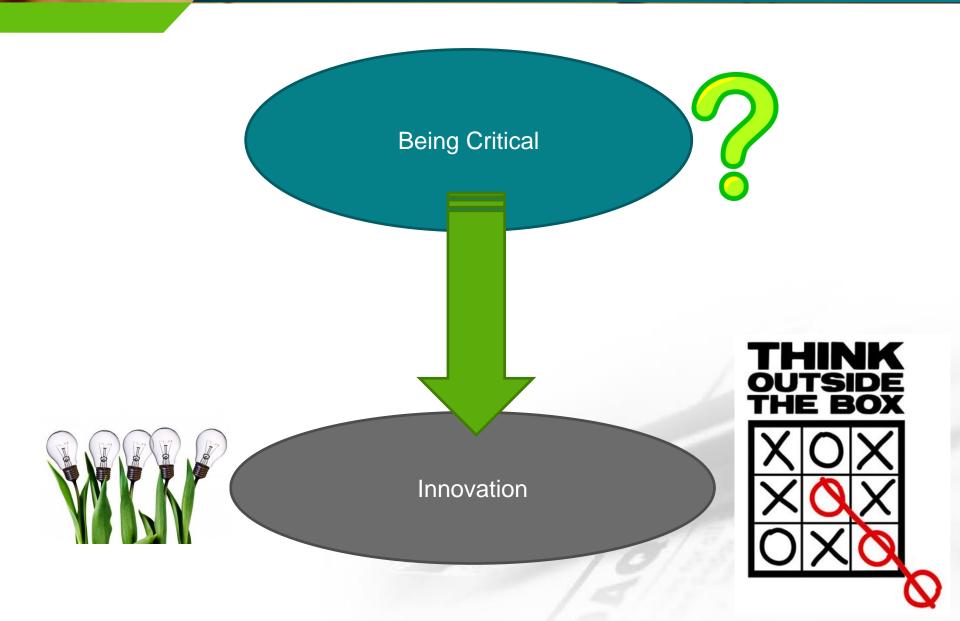


Draw Your Way





Outcome



Are You Ready?

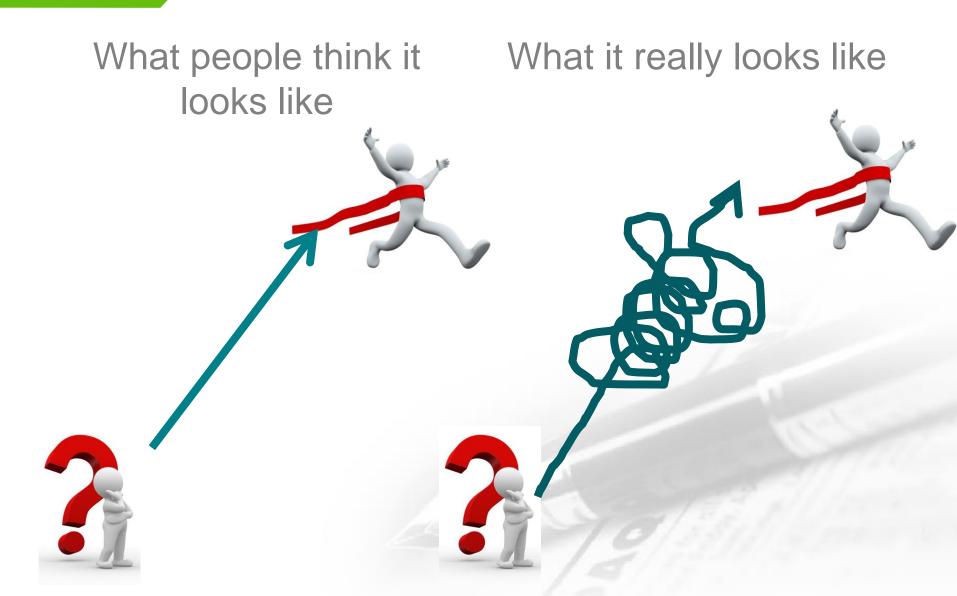
Checklist Before We Check-in:

- 1.Motivated?
- 2. Right attitude?

Now, let's get onboard.....



Route to Success



Crafting Questions









Evaluate Your Questions



Role Play

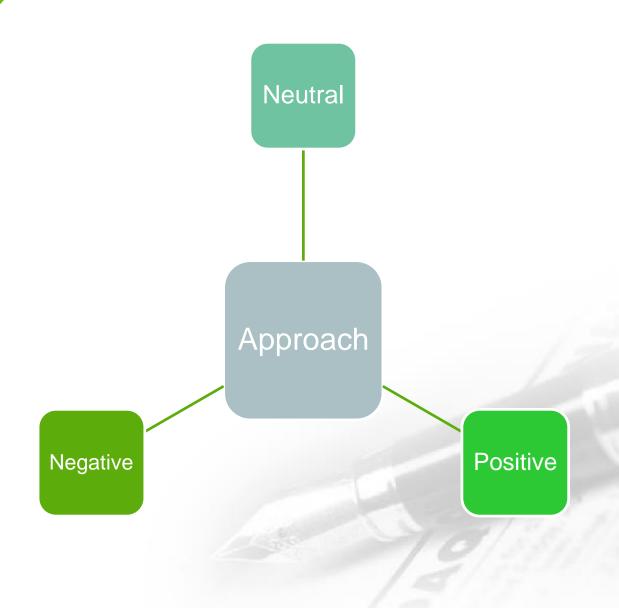
- Objective: To investigate the impact of current economy status
- You are a journalist
- Your deskmate is a:
 - Farmer
 - Fisherman
 - Labour
 - Nurse
- Two rounds (different roles)

Being Critical in Your Answers

1. How can UPM help you to become an excellent lecturer?

2. How can you help UPM to increase our ranking?

Your Different Approach



Triangulation

A process of determining/confirming the points Data/Issues to be confirmed (e.g. number of students)

Innovation

"Finding a Better Way of Doing Something"

Innovation Session 1

What is Innovation?

- Work in pairs
- one list of words that mean 'innovation' and another list of products that apply to 'innovation' that did not exist 20 years ago.

- Innovation' list might include adaptation, addition, alteration, change, development, discovery, gadget, inspiration, invention, latest idea, latest thing, original, modernisation, novelty...
- Products' list might include camera phones, digital camcorder, DVDs, bagless vacuum cleaner, games consoles, the internet, LCD TV, MP3 players, multitouch screen phones, photo printers, SatNav...

- Are any suggested items more than 20 years old? Are any of these earlier developments of new products?
- Are all or most of the products electrical?

- Why are these products successful? What did people use before – if anything – and what was the problem identified by the innovator? Think about how people's lives changed in the last 20 years – the way they work and use leisure time, and how much money they have to spend?
- How many items did more than one group suggest? What could this mean to companies developing these products?

Innovation Session 2

Make A Difference

- Think about the products already discussed. How could one of them be improved for the specific needs of a target user group? Or, inspired by an existing product, can you think of a completely new gadget?
- FACE

F.A.C.E

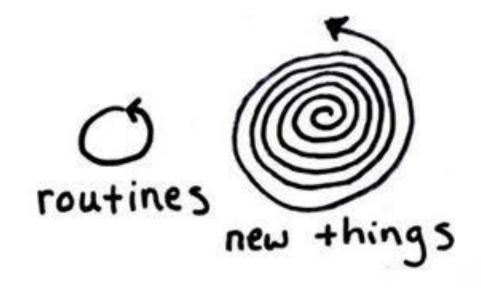
Function	What does it do? How does it work?
Aesthestics	What does it look like?
Construction	How is it made? What materials are used?
Economics	How much does it cost? Is it value for money? Who will buy it?

think with Google

- The Eight Pillars of Innovation
 - 1. Have a mission that matters
 - 2. Think big but start small
 - 3. Strive for continual innovation, not instant perfection
 - 4. Look for ideas everywhere
 - 5. Share everything
 - 6. Spark with imagination, fuel with data
 - 7. Be a platform
 - 8. Never fail to fail

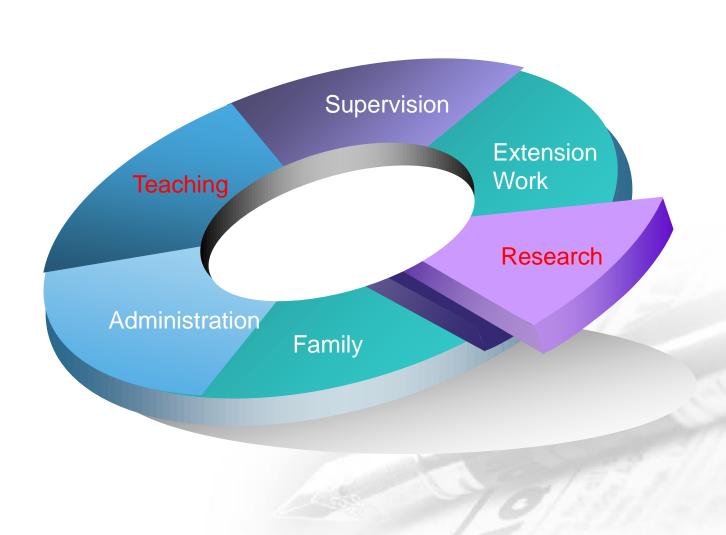
Unleash Your Potentials





WHAT IS YOUR WORK ROUTINE?

How to Balance?





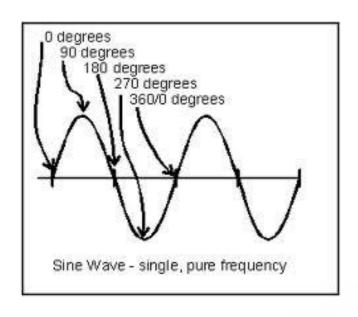
WHAT IS OUR TARGET IN RESEARCH?

How to Prioritize?



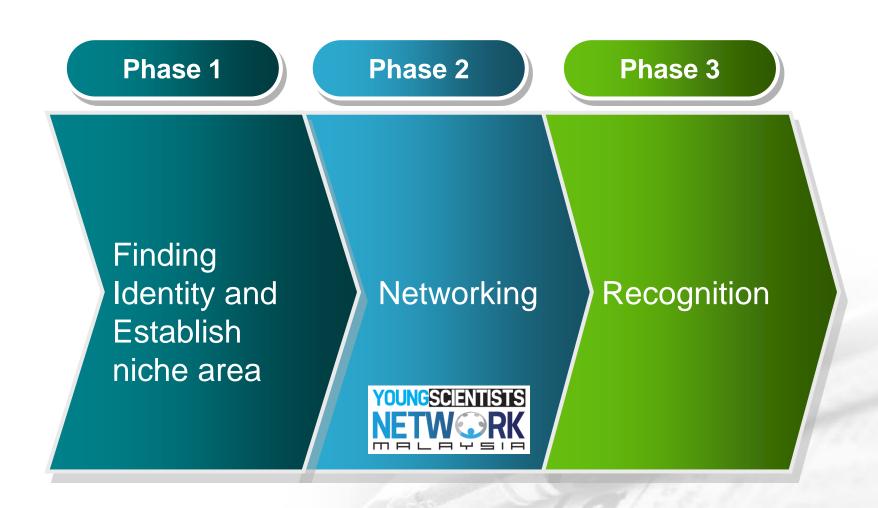
My Prioritization

- 1. Journals
- 2. Grants
- 3. Consultancies
- 4. Products



WHAT HAVE YOU EXPERIENCED SO FAR?

Progress Diagram



Journals

More Prestigious

More Difficult

Targeting Which Journal

- 1. Check which journal is suitable in your area
 - Check the reference list from the related papers
 - Check Subject Area in Scopus/ISI/JCR
- 2. Check the cycle of publication
 - Check previous published papers
- 3. Check the quality of the journals
 - Citation Index
 - Impact Factor

Grants

- 1. Work in a group multi disciplinary/multi institutional
- 2. Identify the niche areas
- 3. Read a few successful proposals

Consultancy

- 1. Is a form of recognition
- 2. Indicator that you have reached a certain knowledge level
- 3. Opportunity to test the theories in a practical environment
- 4. "MUST DELIVER" and "DEADLINES"
- 5. Join other projects as members first receive less allowance

Products

- 1. How many products do you need?
- 2. Generate IPs patent, TM, copyright
- 3. Opportunity to join exhibition new experience
- 4. Impact to the society

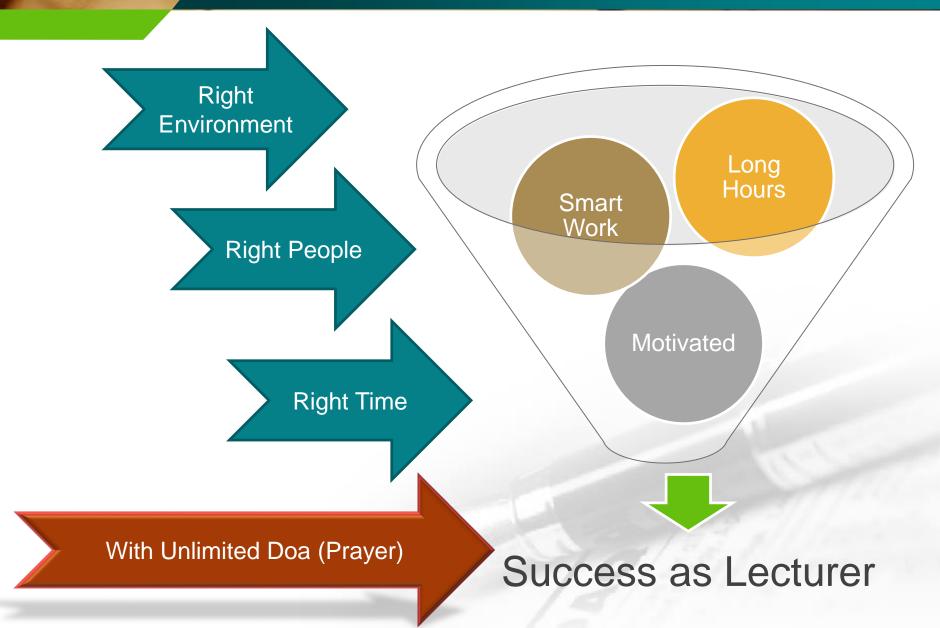
Prioritization



Intellectual Properties (IP)

- Patent
- Copyright
- Trademarks
- Industrial Designs

Conclusions





Thank You

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