



ĐẠI HỌC  
**NGUYỄN TẤT THÀNH**  
NGUYEN TAT THANH UNIVERSITY



# Vietnam Social Innovation

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# Content



Social innovation definition and core elements



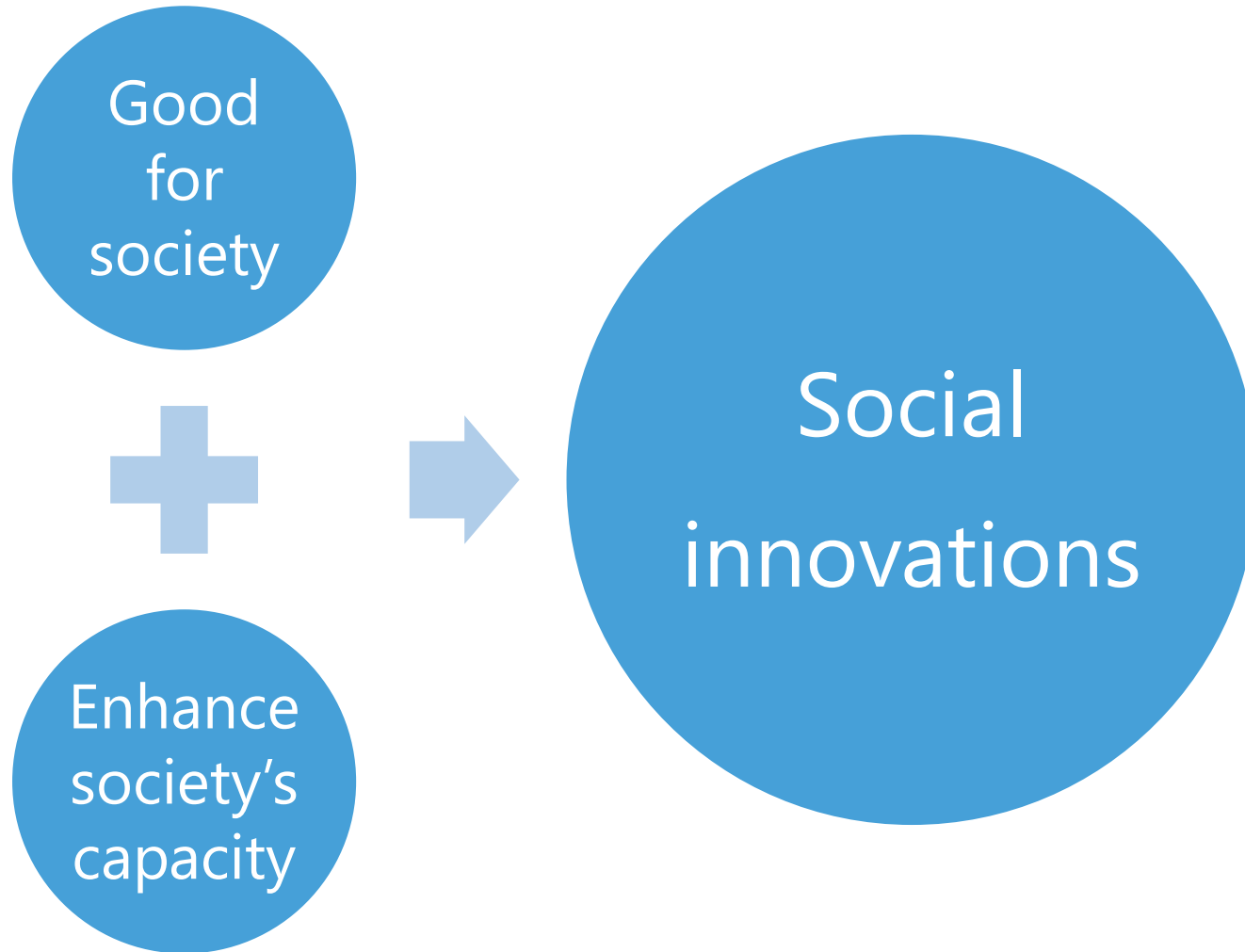
Characteristics of social innovation in Vietnam.



Promoting Social Innovation in Vietnam's universities – NTTU's case study

# Social innovation definition and the core elements

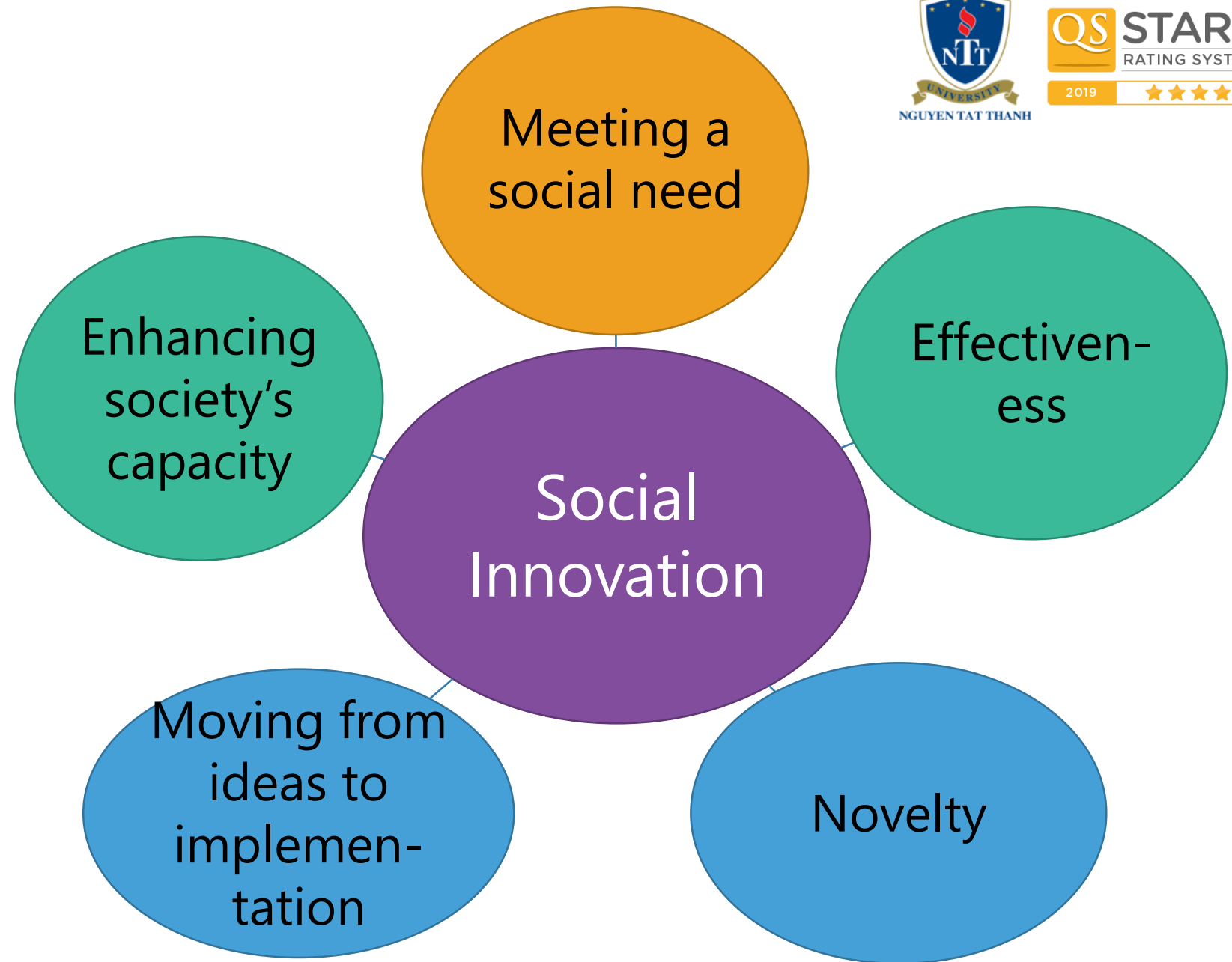
# Definition of social innovation



"Social innovations are new solutions (products, services, models, markets, processes etc.) that simultaneously meet a social need (more effectively than existing solutions) and lead to new or improved capabilities and relationships and better use of assets and resources. In other words, social innovations are both good for society and enhance society's capacity to act" **(TEPSIE)**

*Source: The Young Foundation, Social Innovation Overview, 2012.*

# The core elements of social innovation



# Characteristics of social innovation in Vietnam

# Social innovation in Vietnam



## Social innovation

- Social entrepreneurship
- Social enterprises

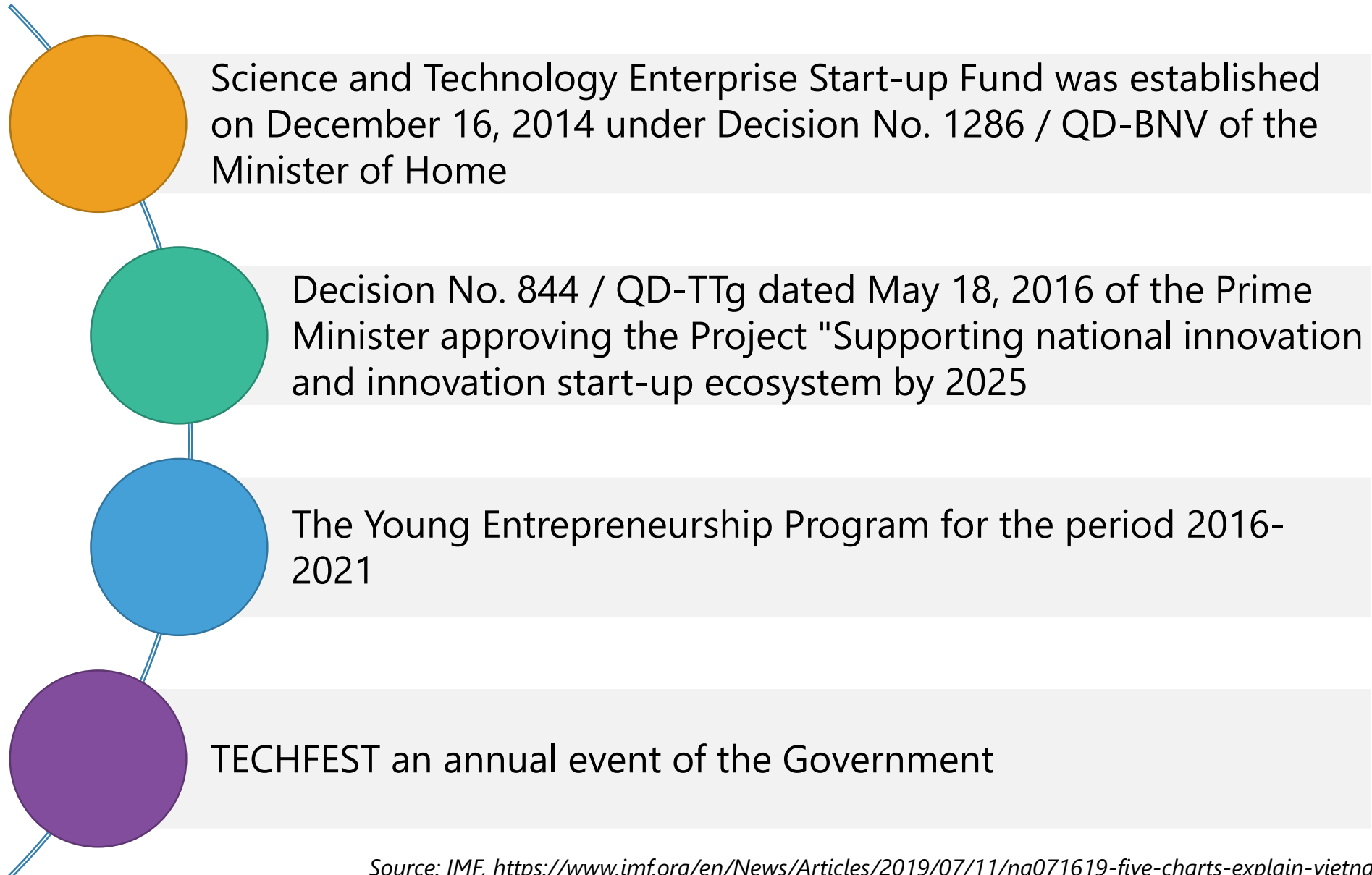
## Vietnamese law on social enterprise

- July 2015: the law came into effect

## Social enterprise

- (i) being established under the Law on Enterprise,
- (ii) its objective is to resolve social or environmental issues for the interests of the community, and
- (iii) at least 51 per cent of its profits must be re-invested to accomplish its social and environmental objectives as registered.







# Promoting Social Innovation in Vietnam's universities – NTTU's case study

# UNIVERSITY BACKGROUND



**2016  
&2019**

One of twenty Universities that has the most Attractive Education Environment in Vietnam.

*Source: <http://toplist.vn/top-list/truong-dai-hoc-dang-hoc-nhat-tai-tphcm-15143.htm>*

One of two Vietnamese universities awarded with 4 QS stars with 5 stars for Employability, Teaching, Facilities and Social Responsibility

*Source: QS organization*

Received the certificate of accreditation of the Ministry of Education and Training of Vietnam for the period of 2016 - 2021.

Being an Associate Member of Asian Universities Network (AUN)

Listed in Top 5 universities in Vietnam with highest number of Scopus/ISI publications

**Source: <http://ntt.edu.vn/web/tin-tuc/tto-xep-hang-cac-dai-hoc-viet-nam-qua-cong-bo-quoc-te>**

# HIGHER EDUCATION PARTNERSHIP (HEP) FUNDED BY BRITISH COUNCIL



**HEP with Birmingham City University and University of East Anglia in  
2018 (Hanoi)**

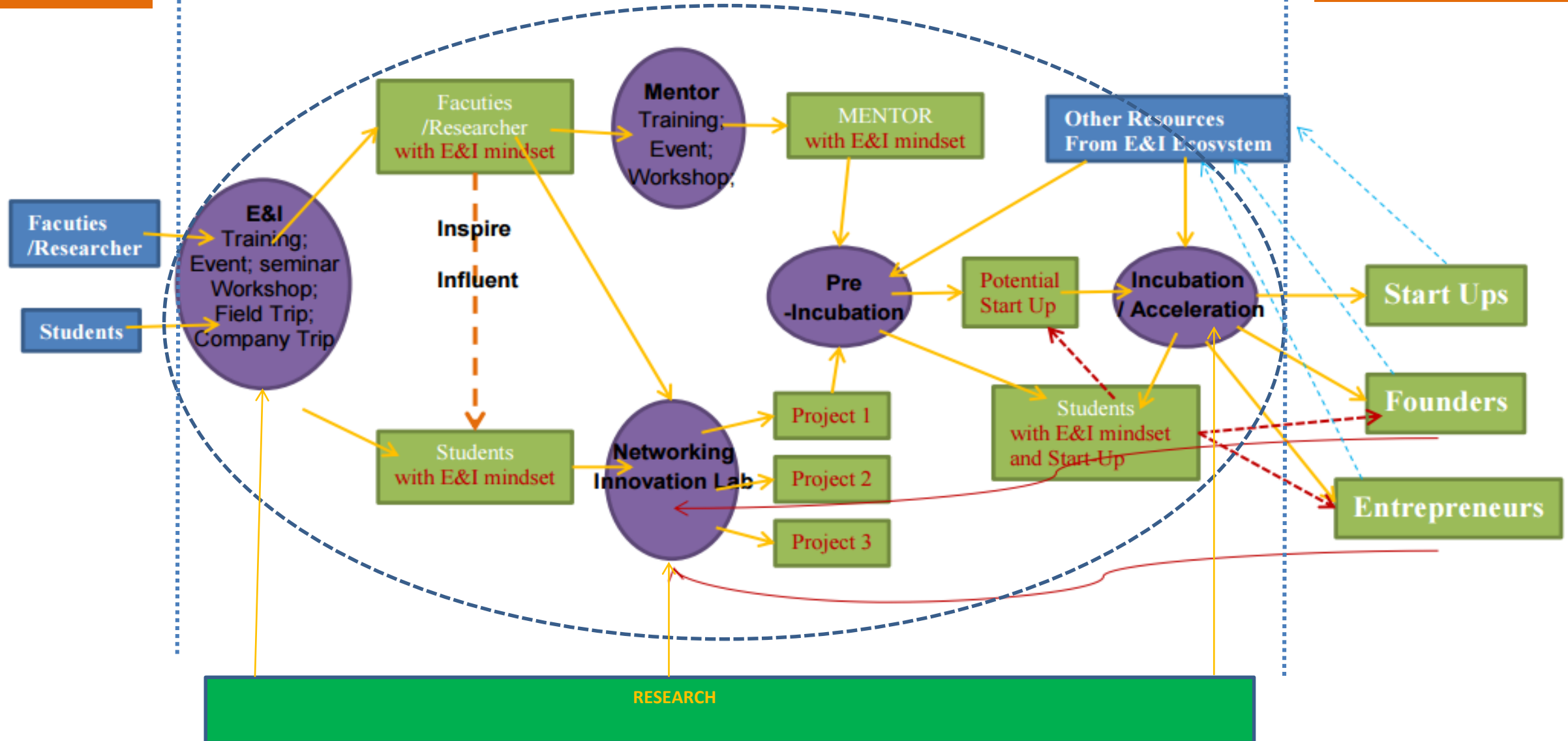
# Promoting SI in NTTU



Input

## NIIC's Activities

Out come





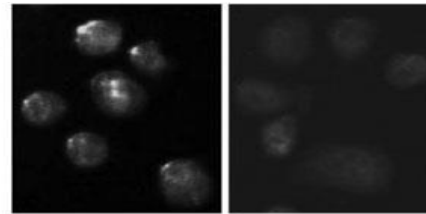
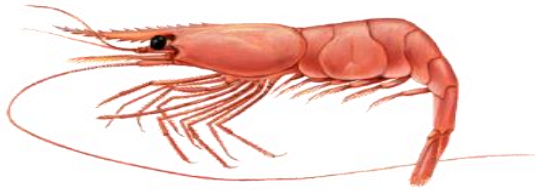
# RESEARCH FOCUS AREAS:

- Environmental Science and Energy Technology
- Biotechnology – Medical – Pharmacy
- Hi-tech Agriculture
- Communication and Information Technology
- Robotics and Automated Technology



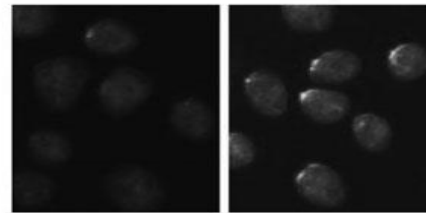
## Sang T. Vo and Minh V. Le, and Dung H. Nguyen

- Extracting biochemically active compounds from natural sources such as biomass such as plant, crustaceans shell, seaweed, and microorganism
- Testing these compounds for antioxidant, anti-allergy, anti-cancer activities, etc.
- Testing these compounds for skin whitening effects.
- Developing natural detergent products



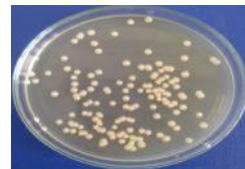
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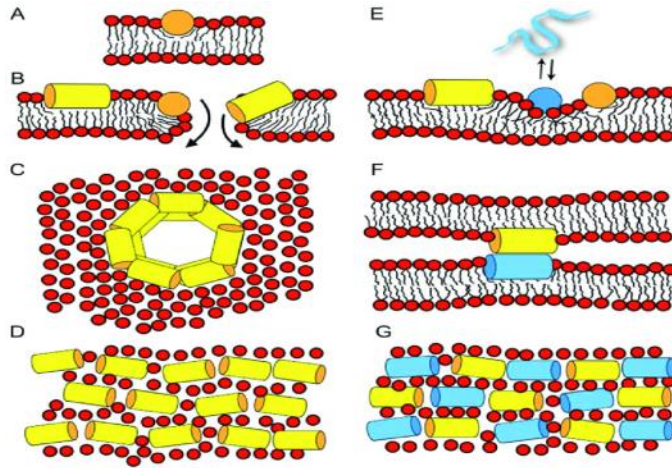


P1  
(200  $\mu$ M)

P2  
(200  $\mu$ M)







## Le Minh Bui, Antimicrobial peptides

- Developing a new class of antibiotics based on synthetic and natural short peptides. These peptides disrupt bacterial cell membranes using a different mechanism than that of traditional antibiotics and thus could help overcome antibiotic resistance.

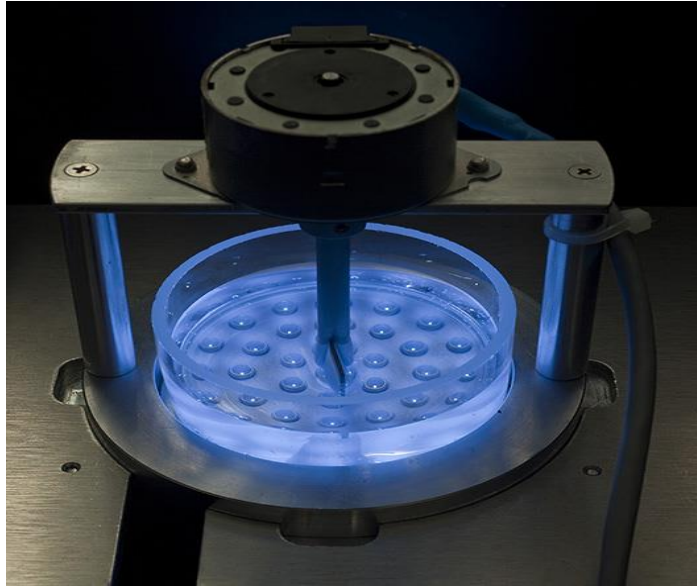


## Van V. Vu, Polymer degradation

- Discovering and characterizing novel enzymes in microorganisms that help breakdown recalcitrant polymers such as cellulose in biomass and latex in rubbers. These enzymes could facilitate the conversion of biomass to commodity chemicals such as fuels.







## Cuong V. Tran, Van V. Vu, and VKTech Center

-The currently used Mercury UV Lamps will soon be prohibited due to mercury's toxicity. We are developing LED UV-based devices for eliminating microbes from gas, liquid, and solid samples for applications in the following areas:

- + Air treatment for homes, offices, clinics, and factories
- + Sterilizing beverage products
- + Sterilizing solid food products
- + Sterilizing gas and waters for microalgae cultivation systems
- + Sterilizing waters for aquaculture systems.



- We are developing LED-based photo-bioreactors for microalgae cultivation. We are focusing on reducing the costs of the astaxanthin-producing microalgae *Haematococcus pluvialis* for wider consumption by both humans and in aquaculture

# Social enterprise –challenges



Lack of awareness of social enterprises

Lack of capital and limited capability in accessing financial resources

Weak on management among Social enterprise

Human resources challenges

# Solution suggestions

Strengthen public supports for social innovation

Strengthen human resources for innovation

Increase the awareness of enterprise about social responsibilities

# Thank you!

**Tran Thi Hong**  
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