

**[CLASS 11 Monday]**

# **Ethics and Philosophies & Wrap-Up**

# Learning Agenda

- Technology Development & Ethical Considerations
- Summary of the course

# Double-Sidedness of Planning & Development

- Double-sidedness: positive effects & negative effects
- Important question

“What is my best? How to increase the good influences and reduce the negative effects?”

- **When you struggle about this issue, always focus on people.**

- Look after your neighbors!
- That's always the primary value.



# Challenges of HCI in Sustainability!

- We have many problems. How can we change the world?
- How computer systems, mobile apps, and HCI can help?



Why  
not  
Change  
the  
World?

Through Good HCI

(good services, human-centered technologies,  
HCI applications considering God's creation)

# Discussion & Practice

## 1. Find any problems/issues regarding sustainability

- equality
- wellbeing (poverty, fundamental healthcare, ...)
- environmental problems (water scarcity, air quality, ...)
- climate change
- energy problem
- waste
- deforestation
- social justice
- war
- ...

# Discussion & Practice

2. Find HCI solutions

3. Describe a use case (or use scenario)

4. Propose detailed human-computer interactions

5. Draw necessary interface screens that explain the HCI idea (use Google Slide)

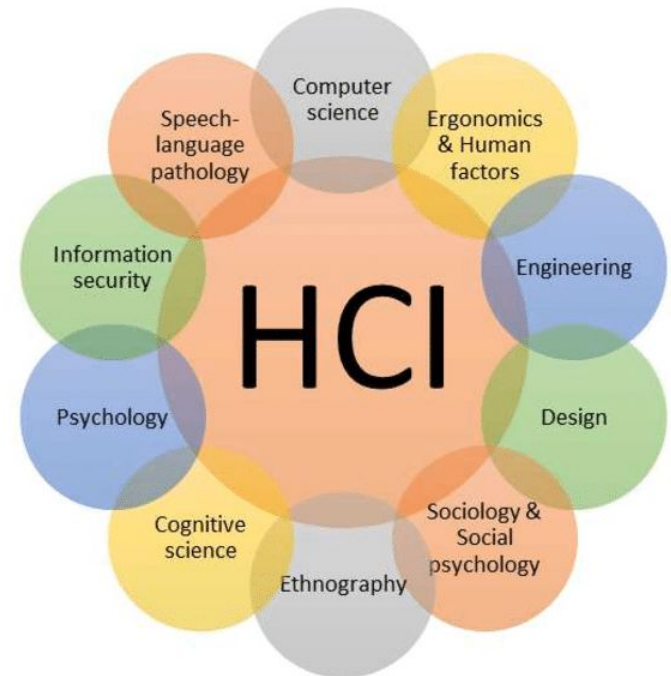
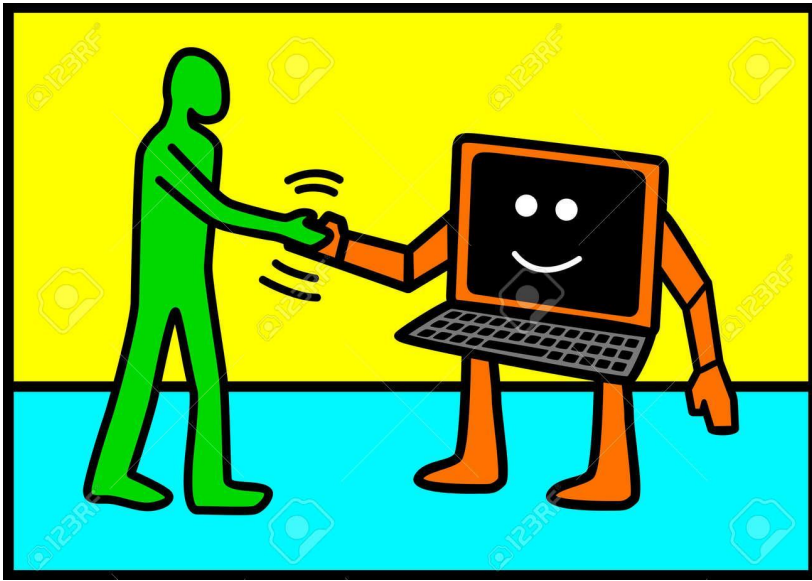
6. Presentation!

# Summary



# What's HCI?

- Everything that uses a computer (a chip) has concept of HCI.
- HCI is not dependent by academic majors or specialties (it's multi-disciplinary area!)



# What's HCI?

- A. Interaction **between human and computer**



- B. Interaction **between people** through computer systems



- C. Interaction **between people and society**

# Topics Learned

- Topics

- 1. Home & Human Life
- 2. Healthcare & Safety
- 3. Education & Work
- 4. Smart City & Social Life
- 5. Transportation & Mobility
- 6. Ethics and Philosophies

# Values by Good HCI

- Save time (by automation, by increase working speed ...)
- Save energy, reduce waste
- Connected with family and friends
- Effective learning, communication, collaboration
- Happy/fun/satisfactory
- Healthcare, safety, reliability, accuracy
- Maximization of the quality of life (QoL)
- Special cares for children, elderly people, disabled people
- ...

# What Should Do?

- W10-13: Project wrap-up & Get user's feedbacks
- W13 Thursday: Final Presentation & Demonstration
- Final Report (GitHub page or Notion form)
- Final Exam (essay-style)