

# **2018-2 MENTORING PROGRAM FINAL SESSION**

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**TEAM NO: 6**

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# MAIN GOALS

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1. (0) : Better Classroom Experiences
2. (1) : Engaging Undergraduate Students in Research
3. (2) : Research Collaboration Among Team Members

# ACTIVITIES

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## 1. Individual Study

1. Identify the specific classroom problems and empirical solutions
2. Identify the pros and cons of engaging undergraduate students in research
3. Understanding each other's research interests and fields

## 2. Group Discussion and Meeting

1. Presenting individuals' findings
2. Compiling the lessons learned

## 3. Socialization

1. Team dinners for building professional and workplace relationships

# OUTCOMES

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## 1. Classroom Solutions

1. Course Contents Adjustment: Previous knowledge of the students and What to the students know (Quiz at the first class to assess)
2. Bring a guest lecturer to break the routine and talk about an important subject of the course
3. Provide as many real life examples as possible
4. Mechanisms to improve students' English language proficiencies over time

## 2. Undergraduate Research Directions

1. Research problem transformation into a number of smaller problems and Assigning a smaller problem to a group of students
2. Students' participation in training courses in the framework of the project' s work

## 3. Research Collaboration Directions

1. Blockchain + IoT + Healthcare: Blockchain-based secured Healthcare IoT
2. IoT+ Radiation Measurement: Measurement and monitoring the radiation to the workers using IoT

# INSIGHTS AND REFLECTIONS

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## 1. Realization on Classroom Experience

1. More confident on conducting classes and understanding multi-dimensional views on classroom issues
2. Gained knowledge will be applied on classroom activities in subsequent semesters

## 2. Realization on Undergraduate Students' Research

1. Appropriate plan, management, and guidance can transform the students' strengths
2. Win-win situation for professor, students, and university.

## 3. Realization on Research Collaboration

1. Enormous opportunity in terms of sharing multidisciplinary knowledge

# OPINIONS & SUGGESTIONS

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## 1. Mentoring Program

1. Introduces diversity and enhances professors' capabilities
2. It should be continued for the subsequent semesters with an increased budget if possible.

## 2. Flexibility

1. CTL can summarize, supply and share previous mentoring programs' outcomes to new teams.
2. Expenditure categories can be enlarged.

## 3. Inter-team Collaboration

1. Can further enhances the strength of the mentoring program