

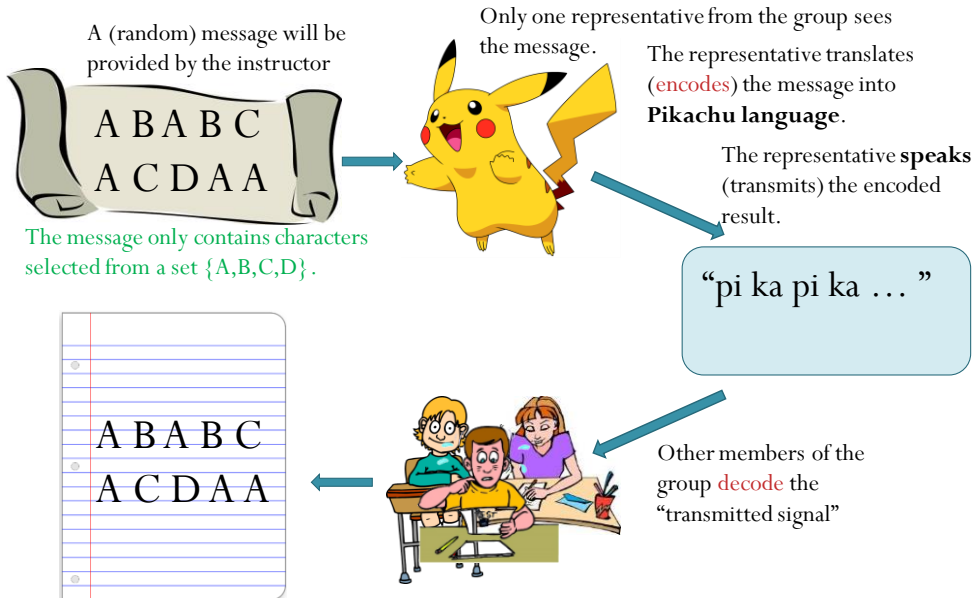
ECS 452: Assignment # 1

Instructions

Separate into groups of no more than four persons.

| | | | |
|----------------------|--|--|-----------------------------------|
| Date: __ / __ / 2019 | | | |
| Name | | | ID <small>(last 3 digits)</small> |
| | | | |
| | | | |
| | | | |
| | | | |

1. Devise a scheme to turn sequence of characters into Pikachu language. Write your scheme in the table below.



| Character | Pikachu Language |
|-----------|------------------|
| A | |
| B | |
| C | |
| D | |

2. Choose one member to be Pikachu: _____

Choose one member to be the camera operator: _____

3. Get the message from the instructor.

(a) Only Pikachu can see/read the message.

(b) If needed, Pikachu may practice what he/she will have to speak but don't let other members of the groups see/hear the encoded message.

4. Record a **video** of your group performing the tasks below.

(One-shot video. No editing or post-processing. Make sure that all members (except the camera operator) are in the video at all time.)

(a) Start by introducing the (names of the) members in the group. Don't forget the camera operator.

(b) Explain the scheme.

(c) Pikachu speaks the message in Pikachu language. The remaining group members try to decode the message.

Put the decoded message in the table below:

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |
| | | | | |

Submit the video into our ECS452 Line group.

5. Check the decoded message above with the message that Pikachu has.

Calculate the percentage error.