

# Assignment 1.: How can the research in our department contribute to or benefit from B5G/6G?

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## 1 Description

The goal of this assignment is to examine the potential impact of B5G/6G technologies on society by addressing the question: How are the research efforts in our department connected to B5G/6G? For some of you, the connection may be obvious, while for others it may be harder to identify a direct link. However, by considering the future possibilities and societal implications of B5G/6G, you should be able to find at least an indirect connection between your research and these technologies. As an illustration, when I asked ChatGPT to explain how carrots could relate to B5G/6G use cases, it provided a reasonable answer—showing that with creative thinking, a link can be made between almost any topic and B5G/6G.

To gain a better understanding of the ongoing research in our department, you are expected to engage in conversations with your colleagues and learn about their work. This assignment is also intended to help you strengthen your communication skills by practicing how to explain your own research clearly to those who are unfamiliar with it. Success in this task will depend on how well you and your interview partner communicate within the limited time available. This means asking thoughtful questions, listening carefully, and presenting your ideas in a clear and concise way.

## 2 Required Task(s)

In this work, you are expected to interview your group members to learn about the research topics they are working on and the research being conducted in their labs. In addition, you should find out how these research topics are related to B5G/6G and what impact they may have on society.

1. You have been grouped into teams of four members; the groups are already set.
2. Each member of the group will form a pair to interview each other and summarize the interview results. If there are four members, each member will need to conduct three interviews.
3. As a group, one member will compile the summaries of each member's work and submit these together as a group report, along with the individual interview results.
4. Finally, one group member will be randomly chosen to introduce each member, covering their research topics, ongoing lab work, and its connection to B5G/6G.

Many of us, including myself, may not be familiar with your research topic. Therefore, please ensure that your explanations are general enough to help us understand your current research.

## 3 Administrative

- Report due: 09:00, July 2, 2025
- Submission to (suyong@ist.osaka-u.ac.jp)
- When you send me an email, please make sure to include the Group number and assignment number in the title of the assignment, for example, "G1-assignment1".