

Form B-2  
(FY2022)  
Must be typed

Date (日付)  
2022/07/26 (Date/Month/Year: 日/月/年)

**Activity Report -Science Dialogue Program-**  
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): MEFFAN Robert Claude (ID No. P20799 )
- Name and title of the lecture assistant (講義補助者の職・氏名)  
N/A
- Participating school (学校名): Nishio High School
- Date (実施日時): 2022/07/25 (Date/Month/Year: 日/月/年)
- Lecture title (講義題目):  
Artificial Intelligence and Neural Networks
- Lecture format (講義形式):  
 Onsite ・  Online (Please choose one.) (  対面 ・  オンライン (どちらか選択ください。))  
 Lecture time (講義時間) 100 min (分), Q&A time (質疑応答時間) 20 min (分)  
 Lecture style (ex.: used projector, conducted experiments)  
(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))  
Projector and lecture with demonstration experiments
- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

*In my lecture I talked to the students about two subjects. The first was about the life of a university researcher, the kinds of things which university researchers, and what education is necessary to be a professional researcher.*

*Secondly, I taught the students some basic ideas about my research in the field of Artificial intelligence and Neural Network engineering. As this subject is very technical, I did not want to overwhelm students with large amounts of detail. I tried to use simple examples that would allow students to understand the broad process, and limitations of AI technology without requiring a lot of detail.*

*Throughout the lecture, we carried out some basic experiments with several available AI teaching resource. I showed the basic process of training and evaluating generative, and classification type AI systems, and showed some of the limitations of the technology. In particular, I wanted to emphasize two ethical problems – Training bias, and non-explainability of AI systems. AI is so prevalent in the world today, I think it is important that the general public understand some of the*

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*ethical issues that come with the applications of AI. I encouraged the students to question these aspects of AI systems when they read about them in the news.*

Other noteworthy information (その他特筆すべき事項):

N/A

- Impressions and comments from the lecture assistant (講義補助者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):

N/A