

# Creative Engineering Project for Undergraduate I・II

**I ▶ Undergraduate B3 S1S2:FEN-CO4904P2**
**II ▶ Undergraduate B4 S1S2:FEN-CO4906P2**

# Creative Engineering Project I

**Graduate: 3799-024**
**Notice:  
Change in  
Credit  
Allocation**

- Creative Engineering Project for Undergraduate I (FEN-CO4904P2)
- Creative Engineering Project for Undergraduate II (FEN-CO4905P2)
- Creative Engineering Project for Undergraduate III (FEN-CO4906P2)

The number of credits awarded for the above subjects will be increased from 1.5 to 2 for students matriculating in 2021. However, please note that credits earned for these subjects will be awarded based on the handbook for your academic year. For example: students who matriculated in 2020 or earlier and take these courses for credit will still earn 1.5 credits.

**NEW**

## AI wolf Project

**Fujio Toriumi**

Develop AI agents to play werewolf games to participate the International AIWolf Contest. Learn programming and AI techniques.

**Fujio Toriumi**    tori@sys.t.u-tokyo.ac.jp

## EV Project

**Masayuki Nakao・Kohei Kusaka**

By building an electric-powered formula racing car and participating in the Student Formula Japan Competition, students will learn about the characteristics of electric vehicles and experience a series of manufacturing projects. Beginners are welcome. Technical Advisor: Yuta Yaguchi

**Kohei Kusaka**    kusaka@mech.t.u-tokyo.ac.jp

## Artificial Intelligence Application Project

**Yutaka Matsuo・Yusuke Iwasawa**

Plan and develop a project to apply artificial intelligence technology to robot control. Participation in international robotics competitions (Robocup) is also encouraged.

**Yusuke Iwasawa**    creative\_eng@weblab.t.u-tokyo.ac.jp

## Educational Innovation Project

**Lui Yoshida**

Create proposals for initiatives, tools (EdTech), etc. that will lead to educational innovation.

**Lui Yoshida**    luyoshida@g.ecc.u-tokyo.ac.jp

## Global Co-creation Expedition

**Yoshiaki Nakano・Chie Sato**

In this project you participate in an expedition to global co-creation scenes both in Japan and abroad, to obtain new insights for your future career, through a series of dialogues with various governmental and third-party experts.

**Chie Sato**    sato@biztech-inc.co.jp

## Autonomous Driving Project

**Masayuki Nakao・Takuma Ito**

Develop various autonomous driving functions by installing sensors and calculators to electric golf carts.

**Takuma Ito**    ito.t@hnl.t.u-tokyo.ac.jp

## UT innovators' Guild

**Akira Hirose・Koji Nagatsuna**

UT innovators' Guild is a group of people who wish to design, create, and develop something new. You will be able to work with professional with various business/technical background. If you have any business idea, please bring it over. Let's work together to materialize it.

**Koji Nagatsuna**    t-ngt@ecc.u-tokyo.ac.jp

## International Internship

**Hironori Kato**

This program provides you with an opportunity of technical experience through international internship. It enables you to enhance practical expertise. You are required to participate in the IAESTE program.

**Hironori Kato**    kato@civil.t.u-tokyo.ac.jp

## Flying Robot Project

**Takeshi Tsuchiya**

Design, build and fly a Flying robot for the Student Indoor Flying Robot Contest.

**Takeshi Tsuchiya**    tsuchiya@mail.ecc.u-tokyo.ac.jp

## Robot Contest Project

**Yasuo Kuniyoshi・Ryuma Niyama・Kohei Kusaka**

Learn how to build a robot system designed for an optimal strategy. The goal of this project is to be a winner in the NHK (ABU) Robot Contest.

**Ryuma Niyama**    creative\_robot@isi.imi.i.u-tokyo.ac.jp

## International Aviation System

**Hiroko Nakamura**

International Project Based Learning about Aviation Business cooperating with Boeing.

**Hiroko Nakamura**    utcair@gmail.com

## Startup Training (Hongo)

**Keisuke Nagato・Yuki Sugieue**

The training part of Sony's social collaboration course, where you can learn the start-up method of technology x design x business through social implementation.

**Yuki Sugieue**    yuki.sugieue@ignite-your-ambition.com

## Student Formula Project

**Masayuki Nakao・Kohei Kusaka**

You will plan, design, manufacture and test a formula racing car to enter "Student Formula SAE Competition of Japan". Not only manufacture a racing car, you will manage a virtual company. Technical Advisor: Yuta Yaguchi

**Kohei Kusaka**    kusaka@mech.t.u-tokyo.ac.jp

## UT Drone Project

**Takeshi Tsuchiya・Yoshichika Sakamoto**

Create new business plans and educational programs utilizing drone. Visit elementary and junior high schools to offer classes.

**Takeshi Tsuchiya**    tsuchiya@mail.ecc.u-tokyo.ac.jp

## International Historic Car Rally Project

**Masayuki Nakao・Kohei Kusaka**

Restore an old car, modify the car for historic car rally and enter an international historic car rally to finish it. You can get not only Monodukuri experience but also international experience from this project. Since this year is the final year, no new recruitment will take place.

**Kohei Kusaka**    kusaka@mech.t.u-tokyo.ac.jp

**Online Using Zoom** Please check the Zoom URL in the syllabus and use it to access the guidance session.

**S1S2  
Guidance**

# Apr. 5

**Tue**
**18:45~**

Individual guidance for each project is also provided. Please check the syllabus for the guidance schedule.

