

Creativity Engineering Project for Undergraduate II

Undergraduate:FEN-CO4905P2

Creativity Engineering Project II

Graduate:3799-023

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 **Web Service and Application Development Project**
 Yoshihiro Kawahara·Koiti Hasida·Kikue Sakaguchi·Takefumi Ogawa·Yuuki Nishiyama
 This class teaches design and coding methods and leads students to develop their own web services and smartphone applications.

Yoshihiro Kawahara kawahara@akg.t.u-tokyo.ac.jp

NEW **EdTech Project**
 Lui Yoshida
 Students will acquire knowledge about EdTech (technology used in education), learning and education, create prototypes, and propose new EdTech.

Lui Yoshida luiyoshida@g.ecc.u-tokyo.ac.jp

Automobile Safety Technology Project
 Masayuki Nakao·Takuma Ito
 Develop novel safety systems to prevent traffic accidents by utilizing cutting-edge technologies such as AI, IoT and VR.

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

Artificial Intelligence Application Project
 Yutaka Matsuo·Yusuke Iwasawa
 This project aims to develop cutting-edge AI-software to control human support robots with the global competition(World Robot Summit) as a theme.

Yusuke Iwasawa iwasawa@weblab.t.u-tokyo.ac.jp

Startup Training (Hongo)
 Keisuke Nagato·Yuki Sugie
 Join the startup training with Komaba Students and Tokyo University of the Arts Students. This program is the part of Sony-UT social collaboration course.

Yuki Sugie yuki.sugie@ignite-your-ambition.com

Global Aviation Business
 Hiroko Nakamura·Jorg Entzinger
 We learn and discuss the Aviation Industry with Airbus Japan.

Hiroko Nakamura utcair@gmail.com

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.

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

International Internship
 Hironori Kato
 Enhance practical expertise and international-communication ability through technical experience of international internship.

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

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

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.

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

UT Drone Project
 Takeshi Tsuchiya·Yoshichika Sakamoto
 Learning the current state of drone, programming flight, and functional safety analysis for practical use.

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

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.

Kohei Kusaka kusaka@mech.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-ngtna@g.ecc.u-tokyo.ac.jp

Robot Contest Project
 Yasuo Kuniyoshi·Ryuma Niiyama·Kohei Kusaka
 Learn how to build a robot system designed for an optimal strategy. The goal of this project is to win the NHK(ABU) Robot Contest. (In 2021A1A2, the project will be opened but no new recruitment will take place. The next new recruitment will be take place in 2022S1S2.)

Ryuma Niiyama creative_robot@isi.imi.i.u-tokyo.ac.jp

A Semester Guidance & S Semester Debriefing Session

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

Oct. 5 Tue 18:45-

Online Using Zoom

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

