CLTP-8 Program (As of July 20)

When: 7 to 16 Sep 2017
Location: Group Work room 1211, Funabashi Campus, College of Science & Technology, Nihon University

Date	Term	Contents
		・Assessment Test
		・Online Lecture ・Online Lecture comprehension test
Sep.7 (Thu)	Building Basic Satellite	・Opening ceremony ・Briefing (Schedule, Executive summary, Self-introduction) ・Welcome lunch ・Lecture on pico-satellite and HEPTA-Sat Training kit ・Hands-on Training: Development environment ➢ Learn common point and difference between CanSat, HEPTA-Sat and ultra-small satellite, the element of ultra-small satellite, summary of components, basic information necessary for creating ultra-small satellite. ➢ Creation of development environment for hands-on training and practice programming. ・Hands-on Training: EPS and C&DH ➢ Electric power system design and management (System architecture, power generation, power maintenance, power control, etc.) ➢ Management and information processing design (System architecture, inter-satellite communication, etc.)
Sep.8 (Fri)		・Lab tour(Ground station and Clean room) ・Hands-on Training: Sensor and Communication ➢ Sensor design(System architecture, AD conversion, data visualization) Communication design (System architecture, communication protocol, etc.)
Sep.9 (Sat)		・Hands-on Training: Ground station & Structure ➢ Communication between satellite and ground station(System architecture, orbit, circuit design, etc.) Structural system design (CAD, vibration test, etc.) ・Hands-on Training: All subsystem integration ➢ Integrate all hardware and software of the whole subsystem (EPS, C&DH, Communication, Sensor) . ・Mission and system definition review New mission system to satisfy the interface (electric power and structure) of HEPTA-Sat training kit, and its review.
Sep.10	Holiday	・Akihabara tour
Sep.11 (Mon)	Development of Advanced Level Satellite	・Hands-on Training: User board integration ➢ Assembly, Integration & Test of new mission.
Sep.12 (Tue)		・Hands-on Training: User board integration ➢ Assembly, Integration & Test of new mission.
Sep.13 (Wed)		・Hands-on Training: Environmental Test ➢ Acceptance Test (Experiment tutorial and HEPTA-Sat vibration test). ・Critical Design Review (Development status, trial finding, demonstration result).
Sep.14 (Thu)		・Experiment ➢ Experiment and its preliminary report.
Sep.15 (Fri)		・Spare day in case of rain on the previous day ➢ Experiment and its preliminary report. ・Farewell party
Sep.16 (Sat)		・Meeting to report results ➢ Mission report, CLTP8 comprehensive report.　・Closing ceremony ・End of the Program by AM