

## Group 8: Introduction of Our School

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School name: Seoul Robotics High School

( ソウルロボット高等学校 )

School address: 63, Gwangpyeong-ro 20-gil, Gangnam-gu, Seoul, Korea

(ソウル市江南区廣平路 20 ギル 63)

School URL: <http://www.seoulrobot.hs.kr/>

PR message: Getting a job early, Lifelong learning, Young Meister for Robotics

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### ◆ School Introduction

•Seoul Robotics High School (SRHS) is a Meister school, which was established to foster Young Meisters through customized curriculum that responds to industrial demands. It is the first and only vocational school that teaches robotics in Korea.

### ◆ Student Benefits

•Students give priority to their jobs after graduation before attending universities.

They are fully supported to become a Meister, who is a professionally skilled man or woman. Their career development will continue through special college admission for employees. They will subsequently combine working with studying at university.

•Admission fee, tuition and dormitory charges are all paid for by the government.

There are opportunities for outstanding students to have training in overseas companies.

### ◆ Supplementary Outside Instruction

•Students can learn cutting-edge technology by direct guidance from field masters, professors, and top craftsmen.

•Training at vocational centers: Basic and Advanced PLC, Inventor, OrCAD, Visual Robot Control, CNC, ABB Industrial Robot Control, Embedded Intensive Course

### ◆ Overseas Program

•Robot Workshop (2011-2015) with NEFU in Russia sponsored by the APEC International Education Foundation

•Exchange program : Workshops with schools in Malaysia and the Philippines.

•Overseas training : Field Experience in companies in Japan and China

### ◆ Robot-related Clubs (currently 13)

•Students cultivate their specialty by guidance from experts in the industry.

#### • Major Clubs

▶Prototyper: Building original robots using LEGO MindStrom and Tetrax , Participation in WRO and FTC competitions

▶CreRobot: Designing creative ideas for robots, Participation in humanoid robot competition.

▶Mobile robots: Acquiring skills for controlling mobile robots based on visual programming and C language.

◆ Gifted Program

•Members of this program study and analyze ATmega128, Graphic Java and C Language. They have an intensive training course for mobilizing optimized robots. They have won a number of medals at robot competitions, mobile robot competitions, and industrial robot competitions held in Seoul and nationwide, which has helped build students' creativity and problem-solving skills. Additionally, the students in this program have an excellent record of employment in well-known companies or public enterprise thanks to these awards.

◆ WRO, FTC Participation

•Students participated in WRO and FTC competitions in January and September every year as a representative of Korea. The results have been improving steadily.

•The fourth place winner in FTC Korea in January, 2015.

◆ Participation in OPROS which is a part of the IRC (International Robotics Contest)

•Since 2012, students have participated in the Air sports competition, R-Biz Challenge, OPROS creative robot contest in the IRC. SRHS placed first at OPROS in the IRC, 2013.



Supplementary Outside Instruction



Summer camp in Yakutsk, Russia



Robot-related Club



A gold medal winner in the 2009 International Youth Skill Olympics