New Pathway for Internationalization

2018.4.13
Contents

1. Introduction for Student Innovation Center

2. Exploration for Internationalization New Pathway
INTRODUCTION

- Creative students
- Scientific and technological societies
- Engineering novices
- Teachers

ORIENTATION

- The practice library around you
- The training hall of science and technology leading talents
- The handshake area between the industry and the University

TARGET AUDIENCE

- Creative students
- Scientific and technological societies
- Engineering novices
- Teachers
1. Open and Professional Laboratory
   - Robots feb-lab, drones feb-lab, IT feb-lab and intelligent manufacturing feb-lab

2. Interdisciplinary Innovation Platform
   - Zhiyuan innovation center
   - Eco-Tech innovation center

3. Comprehensive and Considerate Engineering Services
   - 3D printing center, cutting center, equipment borrowing center, and model center

4. Various Technology Competition
   - Odyssey of the mind, RoboCup, Robomaster

5. Frontline Enterprise Programs
   - Intel, IBM, Microsoft, Tencent, Huawei, Honeywell...
## Contents

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2. Exploration for Internationalization New Pathway
Cooperation
Enterprise Cooperation - Quantity

- SIC has established a cooperative relationship with a number of multinational enterprises
- Involving many well-known international enterprises, such as the United States and Japan...
IBM Big Data Course (workshop)
- Start from April 9, 2017. All-day course on Sunday for 6 weeks
- Data science expert from IBM Toronto laboratory, China Development Laboratory

NI Labview (workshop)
- Start from June 23 to 25
- 6 colleges, 80 students
- Free gift of $99 CLAD professional certification test
Microsoft **AI Lecture**

- April 2017, keynote speech "Natural Language Processing, based on the deep neural network"
- Dr. Zhou Ming, vice president of the Microsoft Asia Research Institute

**Intel Maker Training**

- Jointly organized by Intel, micro energy and SIC.
- The students are from Shanghai jiao tong university and other universities.
Enterprise General Course

- In the first half of 2017, NI, TI, Shanghai XingDeng opened 3 teaching modules with 32 hours, each module including 20 students.

Enterprise Elective Course

- In the second half of 2017, 6 enterprise elective courses have been declared.

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| 暑期课程 | 国际创新工作坊 | 各中心协同 | 2 |

Enterprise Cooperation - General and Elective Courses
In 2017, Shanghai Jiaotong University was one of the organizers of the Shanghai division for the first time.

In the final of Shanghai division, SJTU won the second prize.

Hosted by Central Committee of the Communist Youth League of China and DaJiang

In 2017, Shanghai Jiaotong University was one of the organizers of the East China race area for the first time.
**Odyssey of the mind**

- Taking creativity as the main criterion, players are required to use innovation and teamwork spirit, and rely on strong brain and hands-on ability to solve problems with independent performances.

**IDC Robocon**

- The competition included 50 students from 10 schools in seven countries including Thailand, Japan, Morocco, South Korea, Egypt and Singapore.
- Shen Gaoxiang, form school of mechanical engineering, won the first price in red team.
Adobe "International Creative Design" Lecture

• May 2017

• Attract more than 100 teachers and students
Student's Platform for Innovation and Entrepreneurship Training Program

2016-2017 16 Programs

INTEL 9 Programs

1. 家用跟随球形机器人(intel)
2. 数据中心维护机器人关键技术研究(intel)
3. Ballbot：单球轮式动态自平衡机器人(intel)
4. 基于ROS框架的3D物体跟踪系统的算法研究与实现(intel)
5. 一款基于深度学习的同趣智能推荐软件(intel)
6. 在线智能健身单车系统(intel)
7. 增强型的微信智能物联相框(intel)
8. 基于区块链的无人机自动充电收费解决方案(intel)
9. 无人机自主控制与通讯系统(intel)
10. 嵌入式平台数据监测移动端开发(ni)
11. 瞬间能量衰减仪器开发(honeywell)
12. HPPE材料表面化学改性对涂层性能影响研究(honeywell)
13. 单面亲水型无纺布材料的研究(honeywell)
14. 环氧树脂增强丁腈橡胶耐化学性能及物理性能的研究(honeywell)
15. 纤维织造结构对材料力学性能影响的研究(honeywell)
16. 中国区域手部关键尺寸的调研及剖析(honeywell)

NI 1 Programs

HONEYWELL 6 Programs
Effectiveness of school-enterprise cooperation

For students
- Frontier technology
- Corporate culture
- Employment promotion

For Enterprises
- Increase awareness
- Excavate outstanding students
University of Michigan
We have been running a school for more than 7 years and has become a model for running a school in China and the United States

University of Southern California
2003 Antai economics and Management College and the Marshall School of University of Southern California in the United States set up a global business management project

Purdue University

California Institute of Technology

Massachusetts Institute of Technology

We will give full play to the natural advantages of the exchanges between Chinese and American students, and open laboratory resources to the student innovation center.
First batch units for **China-US Young Maker Competition**

Let the internationalization of education develop rapidly with the help of government power
Thanks