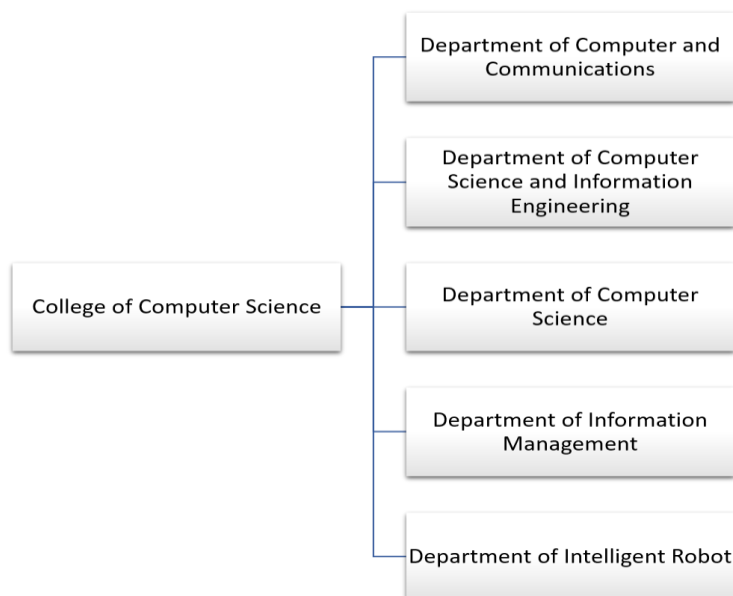


<b>Institution name:</b>	National Pingtung University, Taiwan College of Computer Science		
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**Short description of the institution:**

The College of Computer Science is a newly established college founded on August 1, 2014, and combined with the computer science related departments (including the Master programs) of National Pingtung University of Education founded in 1946 and National Pingtung Institute of Commerce founded in 1991. The departments and programs of the College of Computer Science include the following.



All departments and programs have been established for many years. Their goals are to foster the required technology professionals for the sustainable development of our information technology industry, to improve the level of university information education, and to balance the development of regional information education.

**Competence in** ☒ R&D ☒ Manufacturing ☒ Software ☐ Services ☐ Testing domain

**Capabilities:**

Because of the huge commercial opportunities and multiple applications related to VR, AR, MR, AI, and AIoT, the Computer Science college sets up “VAR Technology Center” and “AI Digital Transformation Research Center” in the Pingshang Campus of the National Pingtung University to develop related core technologies and to cultivate the talented persons needed by the digital industry. Two research groups of our college have been cooperating in the areas mentioned above and have been developing broad range of cross-domain technologies and application systems, respectively. The research teams are as follows.

(1) AR/VR (Augmented Reality/Virtual Reality) research group:

Prof. Lung-Jen Wang (Department of Computer Science and Information Engineering)

Prof. Jen-Chi Huang (Department of Computer and Communication)

Prof. Chia-Hung Shih (Department of Intelligent Robotics)

Prof. Hsi-Chou Hsu (Department of Computer and Communication)

Prof. Chi-Yao Weng (Department of Computer Science)

Prof. An-Chao Tsai (International Master Program in Information Technology and Applications)

(2) AI/AIoT (Artificial Intelligence/AI Internet of Thing) research group:

Prof. Chu-Fu Wang (Department of Computer Science)

Prof. Chia-Ho Ou (Department of Computer Science and Information Engineering)

Prof. Jinn-Tsong Tsai (Department of Computer Science)

Prof. Yih-Kai Lin (Department of Computer Science)

Prof. Hsin-Tse Lu (International Master Program in Information Technology and Applications)

Prof. Po-Yuan Yang (Department of Intelligent Robotics)

Prof. Kuo-Chuan Wu (Department of Computer Science and Information Engineering)



**Relevant projects:**

- Using virtual reality game-based tasks to enhance 3D suspension lift rehabilitation training
- Real-time AR gesture remote collaboration system

- Building an intelligent device monitoring module based on a private cloud platform
- Combining deep learning and hyperparametric optimization for medical imaging and signaling
- Hybrid whale optimization algorithm with intelligent selection method and its application in artificial intelligence for parameter optimization
- Deep learning-based real-time face anti-forgery and recognition system development
- Deep learning and object detection for pest and disease identification of pineapple
- Data collection system based on a mobile sink for remote monitoring in the Internet of Things

**I am interested in:**

- Internet of Things
- Artificial Intelligence
- Virtual Reality/Augmented Reality/Mixed Reality
- Smart Manufacturing
- Biomedical Informatics