SPA-261
Science and Technology Empower Music Education

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Abstract

As 5G wireless technology, Artificial Intelligence, Big Data, Multimedia, Cloud computing and other computer information technologies (CIT) are maturing, the prospect development both in education and learning has been expanded to provide a solid technical foundation for the formation and development of online offline integration (Online Merge Offline (OMO)) teaching.

Kong Cong, Dean of Continuing Education College at Central Conservatory of Music. She focusses on the innovation of artificial intelligence and 5G Application since 2017. Kong Cong won the 3rd Prize of "Blooming Cup" 5G Application Contest" which is under the ministry of industry in 2019 and Innovation Awarding of 5G Application Collection Competition, it led by MIIT, and organized by CMCC. That's the largest 5G application.

Due to the boring and stubborn teaching skill then caused the difficult and made them experienced psychological trauma at instrumental learning point in the childhood. If VR or AR technology is used to disassemble and play virtual instruments before someone is ready to learn them, give the child a more intuitive view of the characteristics of the instruments and reduce the arbitrariness of choosing them. In addition, using the desktop AR technology to copy from the Virtual Symphony Orchestra and realize the virtual playing will help the Chinese to recognizing the Western Symphony Orchestra. With the advent of 5G era, the online education industry is developing rapidly.

The CED at CCOM APP is an online live education system of music verticality. The software applies the information technology such as electronic-mall, video live broadcast, data encrypted transmission etc., and builds the educational platform of lesson registration, live class, course playback etc., also supports the application platform of PAD and PC.

The core features and superiority of CCOM APP are as follows:
1. Multi-learner Management supporting:
2. Operation Management to Support Full Process of Registration,
3.Live classes: At present, online education is based on video recordings.

We can enjoy highest quality music education without leaving home, we call this LFH