Telecommunication Engineering Program	URL: http://ktep.kaist.ac.kr
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1. Introduction

nformation technology (IT) is one of core technologies in our current information society which provides basic means of daily social and economic activities. As various types of information and their diverse demands for IT emerge, a more efficient information network infrastructure is required. In order to realize more advanced internet based networking and networked applications in the information network infrastructure, we need to educate system engineers who have highly interdisciplinary experiences in electrical engineering, computer science, industrial & systems engineering, and mathematical sciences. To face with this continuously changing industrial environment and to train experts needed in telecommunication areas, KAIST Telecommunication Engineering Interdisciplinary Education Program was started in 1998 as a cooperative educational program with collaboration of four departments / divisions: Electrical Engineering; Computer Science; Industrial & Systems Engineering; Mathematical Sciences. In addition, Cooperative Telecommunication Education Program (CTEP) was started in 1998 in order to train highly competitive students in telecommunication engineering interdisciplinary program. Currently, this CTEP program has been supported by LGUPlus, KT, LG Electronics, and SK Broadband.

2. Education Program

The main objective of this interdisciplinary program is to train the students in advanced internet based networking, mobile internet, internet service platform for IP applications and services.

① Advanced Networking

This covers broadband networks and internet, performance analysis, optimization, and network design and programming.

② Mobile Internet

This covers mobile internet network architecture and system performance.

③ Internet Platform for Applications and Services

This covers internet-based multimedia services, signal processing for E-business, service platform, and terminal systems.