



CHALLENGE #11

MSS-6G-02

AI Control Framework for Enabling 6G Research

Meet the expectations of this US Node through the technology challenge described below



GOALS

To develop a framework and initial prototype for implementing and testing AI algorithms for Beyond 5G cellular communications.

DETAILS

The steps you will perform in the duration of the project are: Identify robust software tools and testbeds for 6G cellular network research; Develop a suite of AI algorithms for controlling select components of a modern cellular network; Implement and test on a suitable system or sandbox; Publicize the developed system and results through papers and presentations; and engage with the research community and open source radio development groups.

SKILLS REQUIRED

Software development, AI/machine learning algorithms, 4G/5G networking principles and building blocks.