



Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan  
Tashkent State Technical University named after Islam Karimov

# CERTIFICATE

Confirms that

**BUTAKOV VALERY MIKHAILOVICH**

completed advanced training from November 4 to November 8, 2023 on to the program:  
«Mathematical modeling of electric drives' dynamic modes of autonomous vehicles»

The amount of hours of the program is 24 hours

Dean of Power  
Engineering Faculty

J.B. Toshov



Reg. № 0226/23

TASHKENT-2023

Date of issue 08/11/2023