

**MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN
FEDERATION.**

**FEDERAL STATE-FUNDED EDUCATIONAL INSTITUTION OF
HIGHER PROFESSIONAL EDUCATION « THE HERZEN STATE
PEDAGOGICAL UNIVERSITY OF RUSSIA HERZEN UNIVERSITY»**

Institute of Information Technologies
Department of Computer Technologies and E-Learning

TERM PAPER

TERM PAPER TOPIC

Modeling objects for 3D printing

Field of study: « Computer modeling technologies»

Mentor:

Holder of an Advanced Doctorate in Pedagogic Sciences, professor,

_____ E.Z. Vlasova

« ____ » _____ 2024

Author of the term paper, student

Of group 1 ICT-1

_____ A.S. Tikhonov

« ____ » _____ 2024

Saint Petersburg

2024

Object of research: model for 3D printing.

Subject of research: modeling an object for printing on a 3D printer.

Goal: creating a model for printing on a 3D printer.

Objectives:

1. study the information space on the problem of computer modeling and 3D printing.
2. Selecting a program for modeling a 3D object on the Internet.
3. Creating a 3D model.
4. Transforming a 3D model in a slicer.
5. Analysis of the results obtained.

