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**I AFFIRM**

Dean of the Faculty of Engineering \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ К. К. Abishev

(signature)

EMC of the Faculty Protocol №\_\_\_

\_\_\_\_ \_\_\_\_\_\_\_\_ 2023

**Essay on the educational program 8D07101- Mechanical engineering**

$$$001

Actual problems of modern science in the context of your research (research statement)

$$$002

The expected scientific and practical value of your dissertation work (research proposal)

$$$003

Personal characteristics, in your opinion, necessary for self-realization in research activities in the field of mechanical engineering (research statement)

$$$004

The main topic, relevance and methodology of your proposed research in the case of doctoral studies (research proposal)

$$$005

Research activity in the field of mechanical engineering from the point of view of your personal experience (research proposal)

$$$006

The role of science in the development of mechanical engineering in Kazakhstan. Describe your point of view on this issue (problem-themed)

$$$007

Describe your point of view on the issue of competing options for ensuring the reliability and durability of machine parts (problem-themed)

$$$008

Personal view on the modernization of machine-building industries for various purposes and their products (problem-themed)

$$$009

The problem of improving the existing technologies for manufacturing products of machine-building industries or various means of equipping them from your point of view (problem-thematic)

$$$010

Prospects for the development of machine parts processing on machines with CNC (problem-thematic)

$$$011

How do you imagine the future development of processing processes for non-metallic products (problem-themed)?

$$$012

How do you imagine the prospects for the development of technology for processing progressive and new materials (problem-themed)?

$$$013

Own analysis of the state of the manufacturing industry of the Republic of Kazakhstan (research proposal)

$$$014

Alternative processing technologies in mechanical engineering from the point of view of competition (research proposal)

$$$015

Features of generating new ideas when solving research or practical problems (research proposal)

$$$016

Describe your point of view on the issue of competing options for improving the efficiency of the use of blade cutting tools (problem-themed)

$$$017

Describe your point of view on the issue of competing options for design and technological support for the production of machine parts (problem-themed)

$$$018

Present your point of view on the issue of prospects for the development of improving existing processing technologies (problem-thematic)

$$$019

Describe your point of view on the issue of alternative methods of metal processing by cutting machine parts (problem-themed)

$$$020

Describe your point of view on the issue of improving the quality of manufactured products using advanced processing technologies (problem-themed)