

## XVI. Gylymi-zertteu zhumystary XVI. Research work

a) research  
teaching  
staff

| <i>No</i> | <i>Activities (name of work)</i>  | <i>Deadlines</i>        | <i>Performers</i>   | <i>Marks and progress</i> |
|-----------|---|-------------------------|---|---------------------------|
| <b>1</b>  | <p><b>Carrying out R&amp;D:</b><br/> <b>1) Development and research of the design of a stationary lift for loading grain cargo into containers transported by railway platforms</b><br/>           1.1 Development of a model of a stationary lift in the ANSYS application software environment for conducting the experiment;<br/>           1 article – KOKSNVO; 1 monograph.<br/>           1.2 Conducting an experiment in the software environment of the ANSYS application program, analyzing and evaluating the results and making adjustments to the design of the stationary lift.<br/>           1 article – Scopus; 1 patent application of the Republic of Kazakhstan.</p> | <p>2023</p> <p>2024</p> | <p>Askarov B.Sh.,<br/>Balabaev O.T.,<br/>Kasymzhanova<br/>A.D. Teaching staff<br/>of the department</p> |                           |
|           | <p><b>2) Research and development of a steeply inclined conveyor with intermediate drives with linear asynchronous engines for open pit mining</b><br/>           2.1 Development of the design of a steeply inclined conveyor with intermediate drives with linear asynchronous motors. 1 article – KOKSNVO<br/>           2.2 Definition of dependencies of geometric parameters intermediate conveyor drives with linear asynchronous motors depending on power and pole size division.<br/>           1 monograph.</p>  | <p>2023</p> <p>2024</p> | <p>Rozhkov<br/>A.V., Akashev<br/>A.Z., Balabaev<br/>O.T., teaching<br/>staff of the<br/>department</p>  |                           |
| <b>2</b>  | <p><b>Participation in competitions for grant funding:</b><br/> <b>1) Study of the operation of a stationary lift for loading grain cargo into containers transported railway platforms</b></p>   | <p>2024</p>             | <p>Kasymzhanova A.D.</p>  |                           |

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| 3. | <b>Training of scientific and scientific-pedagogical personnel.</b> Preparation of master's theses: |  |  |  |
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|    | <p>3.1 “Research and optimization of the operation of access roads of the Pavlodar-Yuzhny station” of NC Kazakhstan Temir Zholy JSC;</p> <p>3.2 “Research and improvement of the technological process of the hump at the station<br/>"Central" JSC "Shubarkol-Komir";</p> <p>3.3 “Research and optimization of work with wagons at freight points of the station<br/>“Uzen” JSC “NC “Kazakhstan Temir Zholy”;</p> <p>3.4 “Research and optimization of car flows at the Tsentralnaya station of Shubarkol-Komir JSC;</p> <p>3.5 “Research and optimization of the supply and removal of cars to the access tracks of the Balkhash station of Kazakhstan Temir Zholy NC JSC;</p> <p>3.6 “Research and optimization of car flows on the access tracks of the Astana station of Kazakhstan Temir Zholy NC JSC;</p> <p>3.7 “Research and optimization of work with car flows at the Zapadnaya station of Shubarkol-Komir JSC;</p> <p>3.8 “Research and optimization of the operation of access roads at the Karazhal station of Kazakhstan Temir Zholy NC JSC;</p> <p>3.9 “Research and improvement of the hump at the station<br/>“Balkhash” JSC “NC “Kazakhstan Temir Zholy”.</p> | June<br>2024   | Scientific supervisors,<br>master's students   |  |
| 4. | <p><b>Publication of R&amp;D results</b></p> <p>4.1.Publication of articles - at least 3 articles (Scopus -1, KOKSNVO -2)</p> <p>4.2.Participation in conferences - at least 10 reports</p>  | According to plan<br>(attached)                            | teaching staff,<br>master's students   |  |
| 5. | <p><b>Participation and holding of the Interuniversity student conference in the section "Transport"</b></p>   | April-May<br>2024  | Teaching staff,<br>master's students   |  |
| 6. | <p><b>International activity</b></p> <p>6.1 Internship for teaching staff and undergraduates at Tashkent State Technical University (Tashkent, Uzbekistan): joint writing of articles and publications in ranking journals with a high impact factor</p> <p>6.2 Advanced training of teaching staff at universities. (Tashkent State Technical</p>   | <p>During the academic year</p> <p>During the academic</p> | <p>Teaching staff,<br/>master's students.</p> <p>Askarov B.Sh.<br/>Balabaev O.T.</p> |  |

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|  | University, Tashkent, Uzbekistan) | year | Kasymzhanova A.D. |  |
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| <b>7.</b> | <b>Research work with students</b>  | According to plan NIRS       | Managers circles              |  |
| <b>8.</b> | <b>Other types of scientific work</b><br>8.1 Coordination of topics of master's theses in agreement with enterprises Corporate University | According to plan (attached) | Askarov B.Sh.<br>Rozhkov A.V. |  |

b) undergraduate student, master's student, doctoral student

| <i>No.</i> | <i>Activities (name of work)</i>   | <i>Deadlines</i>                        | <i>Performers</i>   | <i>Completion marks</i> |
|------------|--|---|---|-------------------------|
| <b>1.</b>  | Formation of research circles:<br>1) Industrial transport  | September 2023                          | Rozhkov A.V. Balabaev O.T.  |                         |
| <b>2.</b>  | Involvement of students and undergraduates in the research work of the department, including work under business contracts - at least 5 people.  | According to the plan of the department | Askarov B.Sh.   |                         |
| <b>3.</b>  | Organization and holding of coursework competitions in the disciplines of the department:<br>3.1. System and control of train traffic on the topic: "Organization of operational work of a railway department" (course work) - at least 6 works.<br>3.2. Construction and operation of the track on the topic "Zholdy kurdeli zhondeu"kezindegі technology operation "Iardyn graphy" (course work) - at least 7 works. | December 2024<br><br>December 2024      | Isina B.M.<br><br>Kosbarmakov S.Zh.                                 |                         |
| <b>4.</b>  | Organization of cathedral conferences:<br>4.1 Based on the results of pre-diploma practitioner<br>4.2 Based on research results practitioner   | April 2024<br><br>December 2023         | Managers practitioner<br><br>Scientific managers, master's students |                         |
| <b>5.</b>  | Participation of students in the republican research competition - at least 3 works  | January 2024                            | Teaching staff, students  |                         |
| <b>6.</b>  | Student participation in scientific conferences at various levels - at least 20 reports  | During the school year                  | teaching staff, undergraduates, students                            |                         |

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| 7. | Organization of coursework – 21<br>and theses – 33 on scientific topics of<br>the department | During<br>the school<br>year | Students |  |
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| <b>8.</b>  | Publication of the results of scientific work - at least 4 theses per conference                                     | During school year                   | Managers clubs, students         |  |
| <b>9.</b>  | Publication of research results in the media:<br>3rd year – 1 student.   | During the school period of the year | Scientific supervisors           |  |
| <b>10.</b> | Additional types of work: 11.1. Formation of thesis topics in agreement with enterprises of the Corporate University | During the school year               | Askarov B.Sh.<br>Rozhkov<br>A.V. |  |