

**Plan**  
**scientific research work**  
**Departments of "Communication Technologies and Systems"**  
**for the 2023-2024 academic year**

<i>N<sup>o</sup> n /</i>	<i>a Activities</i>	<i>Deadlines</i>	<i>Performers</i>	<i>Mark of</i>
1.	<p><b>completion R &amp; D implementation -1.1</b>  Micro coherency thermal power plant with heat recovery  1.1.1 Analytical study on MTPP adaptation in the context of small-scale power development in the Republic of Kazakhstan  1.1.2 Mathematical and computer modeling of MTPP. 3-D modeling.  1.1.3 Creation of a laboratory prototype of MTPP with an air cooling system. Conducting laboratory studies and testing of a sample with a capacity of up to 0.01 kW.  1.2 Development of the technical task, sketch and design documentation  1.2.1 Preparation of the technical task.  1.2.2 Preparation of design documentation</p>	2023-2024	<p>Kaliaskarov N. B.</p> <p>Kaliaskarov N.</p> <p>B. Kaliaskarov N.</p> <p>B. Yesenzholov U. S.</p> <p>Kaliaskarov N. B.</p>	
2.	<p>Conclusion of contracts and contracts for research and development:  2.11 Participation in the competition for grant funding for scientific and (or) scientific and technical projects for 2019-2021 Ministry of Defense of the Republic of Kazakhstan:  2.1.1 "Development of security and safety systems for special objects based on wave optical technologies"  2.2 Competition for grant financing of the Ministry of Education and Science of the Republic of Kazakhstan:  2.2.1 Development and implementation of an automated explosion-proof system for monitoring the technical condition of mine workings based on fiber-optic sensors.</p>	<p>November 2023</p> <p>During the year</p>	Kaliaskarov N. B.	
3.	<p>Publication of R &amp; D results  3.1 Publication of articles – 5  3.2 Participation in conferences – 22 reports</p>	During the year	of the Faculty of the Department	
4.	<p>of Inventive activity.  Submission of 1 patent application  Submission of 3 applications for</p>	<p>IC April 2024  March 2024</p>	Kaliaskarov N. B.	
5.	<p>International activities  6.1 Work under the cooperation agreement – with Novosibirsk State Technical University,</p>	During the year	Kaliaskarov N. B. Aldoshina O. V.	

	Siberian State University of Telecommunications and Informatics, Tomsk Polytechnic University, German Universities Anhalt			
6.	Research work with students	according to the research plan	Kaliaskarov N. B.	
7.	Work with enterprises of the corporate university	According to the KU plan	Kaliaskarov N. B. Aldoshina O. V.	
8.	Other types of scientific works		Kaliaskarov N. B.	