Dean of the MF
Erakhtina I.I.

1.09.2021

Plan of research work of Mechanical Faculty for 2021-2022

<u>NoNo</u> nn	Events (name of work)	Deadlines	Executors
1	R&D execution 1. Design and creation of prototypes of automated production control systems, remote monitoring and diagnostics of the microclimate in polymer agricultural sleeves for storing grain		Nikonova T.Yu.
	 Creation of a prototype of a universal device based on a lathe for the implementation of milling technology Development and implementation of 	December 2021	Mussaev M.M.
	technology for the manufacture of refractory materials for the metallurgical industry with optimal porosity and increased heat resistance 4. Creation, development and implementation of technologies for the production and	December 2021	Kulikov V.Yu.
1 1 1 5 n	processing of wear-resistant materials of a new generation for obtaining parts of metallurgical units. Improvement of the technology for the manufacture of precision castings from	December 2021	Issagulov A.Z.
S	omplex alloy steels with a homogenized tructure and improved properties using raw naterials of Kazakhstani content	December 2021	Kvon Sv.S
2. Inc - in - fe	ublication of R&D results: 1 Publication of articles - 60 cluding: in the rating Kazakhstan magazines - 30; foreign magazines:	During a year	Teaching staff of the departments
(C 4.: In	RSCI) - 15; Clarivate Analites and Scopus) - 15. 2 Participation in conferences - 100 cluding: n republican / interuniversity - 40;		
- in	international - 60		
Sub	entive activity omission of 10 applications for innovative ents and 20 ICUs	During a year	Teaching staff of the departments

			The second secon
-	International activity c Vilnius Cedeminas Technical University article on the topic "Effect of Laser Processing Parameters on Microstructure, Hard-ness and Tribology of NiCrCoFeCBSi / WC coatings"; project in collaboration "Creation of technology for restoration of rods of large-size	October 2021	Zharkevich O.M. Nikonova T.Yu.
	invitation of PhD doctor, professor Gierz	September 2021	Yurchenko V.V.
	Lukasz - development of the educational program "Digital Engineering" in the direction of additive technologies with participation in the international project Erasmus + together with Peter the Great	May 2022	Yurchenko V.V.
	SSPU Training of scientific and pedagogical personnel through graduate school - Kyrgyz State Technical University named after I. Razzakov (Bishkek)	During the year	Bukanov Zh.U.
	Training of undergraduates in academic mobility Joint publication of R&D results with	During the year During the year	Kulikov V.Yu. Kvon Sv.S.
	Professor J. Michaud (University of Lorraine, France)		CC CC CC
5	Research work with students and undergraduates	NIRSM plan	the departments
6	Conducting department seminars	According to the plan	Zharkevich O.M.

Sub dean for science MF

Zharkevich O.M.