Research Plan Of Mechanical Engineering Faculty 2023-2024

Ŋoౖ	Activities (name of work)	Deadlines	Performers
1	Research work		
	1. Development of compositions of sand-	June 2024	Nikonova T.Yu.
	polymer composite materials and technological		
	support for their processing into engineering		
	products		
	2. Increasing wear resistance and improving	June 2024	Mussaev M.M.
	the design of tire punching machine tools		
	3. Creation of a universal prototype of a gear	June 2024	Zharkevich O.M.
	pump for hydraulic systems capable of		
	pumping viscous liquids of various natures		
	4. Development of technology for obtaining a	June 2024	Isagulova D.A.
	standard product from highly dispersed dust of		
	ferroalloy production	D 1 2022	G1 1 1 1
	5. Development and implementation of	December 2023	Shcherbakova
	technology for the production of chromium		E.P.
	anti-friction cast iron for mining production		
	parts	D 1 2022	A C. IZ
	6. Development and implementation of a new	December 2023	Arinova S.K.
	heat-resistant alloy and technology for producing parts for metallurgical production		
2	Publication of R&D results:		
	2.1 Publication of articles – 70	A acondina to mlan	Tanahina staff of
	Including:	According to plan	Teaching staff of the department
	- in rating Kazakhstan magazines – 40;		the department
	- foreign magazines:		
	(RSCI) – 10;		
	(Clarivate Analites and Scopus) - 20.		
	2.2 Participation in conferences – 100		
	Including:		
	- in republican/interuniversity – 40;		
	- international - 60		
3	Inventive activity	According to	Teaching staff of
	Submission of 20 applications for innovative	plan	the department
	patents and 30 SIS	1	1

	International activity		
	- with the Poznan University of Technology,	june 2023	Zharkevich O.M
	participation in the project "Creation of a universal prototype of a gear pump for		Nikonova T.Yu.
	hydraulic systems capable of pumping viscous		
	liquids of various natures"		
	- with Obdua University - invitation of PhD, associate professor Agota Dregeli Kiss	october 2023	Zharkevich O.M
	- development of the educational program	september 2023	Yurchenko V.V.
	"Digital Engineering" in the direction of		
	additive technologies with participation in the		
	international project Erasmus+ together with		
	SbPPU Peter the Great		
	- Training of master's students on academic	may 2023	Kulikov V.Yu.
	mobility at MISIS		
	- Joint publication of R&D results with		
	professor J. Michaud (University of Lorraine,	During a year	Kvon Sv.S
	France)		
5	Research work with students and	According to the	Teaching staff of
	undergraduates	NIRSM plan	the department
6	Conducting departmental seminars	According to plan	Zharkevich O.M.
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