

Research Plan of Textile Engineering Department “Academic Year 2021/2022”

No.	Research Plan Axes	Research Topics	Work Team	Time Frame	Funding	Results and progress
1	Spinning Technology	- The spinnability of new Egyptian cotton versions.	Prof. dr. Ismail Rakha	2021-2022	Mansoura University	-Publication of research papers.
		- Evaluation of elastic core spun yarns.	Prof.dr. Fawkia El-Habiby Eng. Samah Mohammed	2020-2023	Mansoura University	-Publication of research papers.
		- Studying the behavior and the properties of fancy yarns in knitted and woven fabrics - Studying the properties of slub yarns with color effects and their applications.	Prof . Dr. Rizk El-Bealy	2021-2023	Mansoura University	-Publication of research papers.

		<ul style="list-style-type: none"> - Evaluation of fancy yarns and their applications. - Evaluation of fancy yarns and their applications. - Influence of processing variables in the ring and open end spinning machine on the properties of the produced yarns. 				
2	Weaving Technology	<ul style="list-style-type: none"> - An alternative to sizing process. - Reducing stages of weaving preparation. - Development of textile machine design. 	Asst.. prof. dr. Hamdy Abd Alla	2021-2022	Mansoura University	-Publication of research papers.
3	Knitting Technology	<ul style="list-style-type: none"> - Chenille single jersey knitted fabrics properties. 	Asst.. prof. dr. Abd Elmoneem Foda	2021-2022	Mansoura University	-Publication of research papers.
		<ul style="list-style-type: none"> - Evaluation of fabrics knitted from elastic core yarns. 	Eng. Samah Mohammede Asst.. prof. dr Ahmed Samy El-Deeb	2021-2022	Mansoura University	-Publication of research papers.

		<ul style="list-style-type: none"> - Studying the properties of plain knitted fabrics produced from different core yarns. 	<p>Dr. Rehab Abd Elkhalek Prof. dr. Fawkia El-Habiby Pro.dr. Abd Ellatef Elhosseney</p>			
4	Functional Textiles	<ul style="list-style-type: none"> - Smart face mask against cov2-19 - Characteristics of woven bandages - Optimization of electrostatic flocking parameters in flocked fabrics to maximize the resilience of bent fibres in upholstery fabrics 	<p>Prof.dr. Adel Elhadidy Dr. Moaaz Ahmed Samy Prof. dr. Hemdan Abo Taleb</p>	2021-2022	Mansoura University	-Publication of research papers.
5	Finishing of Textiles	<ul style="list-style-type: none"> - Evaluation of the properties of fabrics finished with nanoparticles 	<p>Pro.dr. Abd Ellatef Elhosseney Asst.. prof. dr. Abd Elmoneem Foda</p>	2021-2023	Mansoura University	<ul style="list-style-type: none"> -Publication of research papers. -Awarding Master of Science degree
		<ul style="list-style-type: none"> - Influence of finishing process on the quality of fabrics knitted from core yarns. 	<p>Pro.dr. Abd Ellatef Elhosseney Eng. Samah Mohammede</p>	2021-023	Mansoura University	<ul style="list-style-type: none"> -Publication of research papers -Awarding a Ph.D. degree

6	Quality control of Textile Products.	<ul style="list-style-type: none"> - Applications of artificial intelligence to assess the quality of textile products. - The effect of modern technologies and development on the quality of textile products. - Evaluation of the quality of textile yarns and semi products. 	Prof. dr. Rizk El-Bealy Prof. dr. Fawkia El-Habiby Dr. Iman Elshahhat	2021-2022	Mansoura University	-Publication of research papers.
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