**BRACU Applied Research Programs in Ergonomics**

* Research Topics
	+ Workability index development
		- Background research
		- Measurement and analysis tool development.
			* Video methods, Observational methods
		- Pilot studies using BRAC students and local industry
		- Expert evaluation, Broader scale Implementation
	+ Occupational safety and health program development
		- Program scope articulation
			* Contexts, Tools, Participants, Processes, Outcome Evaluation
		- Background research
		- Program design, Pilot studies and evaluation
		- Program implementation in selected workplaces
		- Evaluation, Plans for broader implementation
	+ E Learning Development for BRACU
		- Research team formation, background research
		- Technology review and adoption
		- Process development, Pilot studies and evaluation
		- Training program development and implementation
		- Implementation in selected BRACU programs
	+ Macro Ergonomics in Bangladesh
		- Socio technical system articulation and background research
		- Identification of major sectors: Garments, Agriculture, Construction, Fishing, Manufacturing etc.
		- Systems analysis of sector features and functions, Model development
		- Failure Modes and Effects Analysis using selected software
		- Pilot studies in Bangladesh organizations
		- Establishment of Macro Ergonomics program design and pilot implementation
* Research Methods
	+ Literature research, Exploration of large scale research methods
	+ Factor analysis
	+ Investigation and design tool development
		- Expert reviews, Sample survey methods, Focus groups
	+ Modeling and simulation
* Funding
	+ - Large multinational corporations
			* Walton, Samsung, Microsoft, Nokia, Toyota, Intel, Coca Cola, Sony, IBM, GE, Nike, Citigroup, Atlas Copco
		- Funding agencies
			* Giz <https://www.giz.de/en/worldwide/351.html>
			* FES <https://www.fes-connect.org/spotlight/fes-opens-academy-of-work-in-bangladesh/>
			* Bangladesh Institute of Labor Studies, Academy of Work, Bangladesh