

Cause and Effect Diagram

Name

Instructor

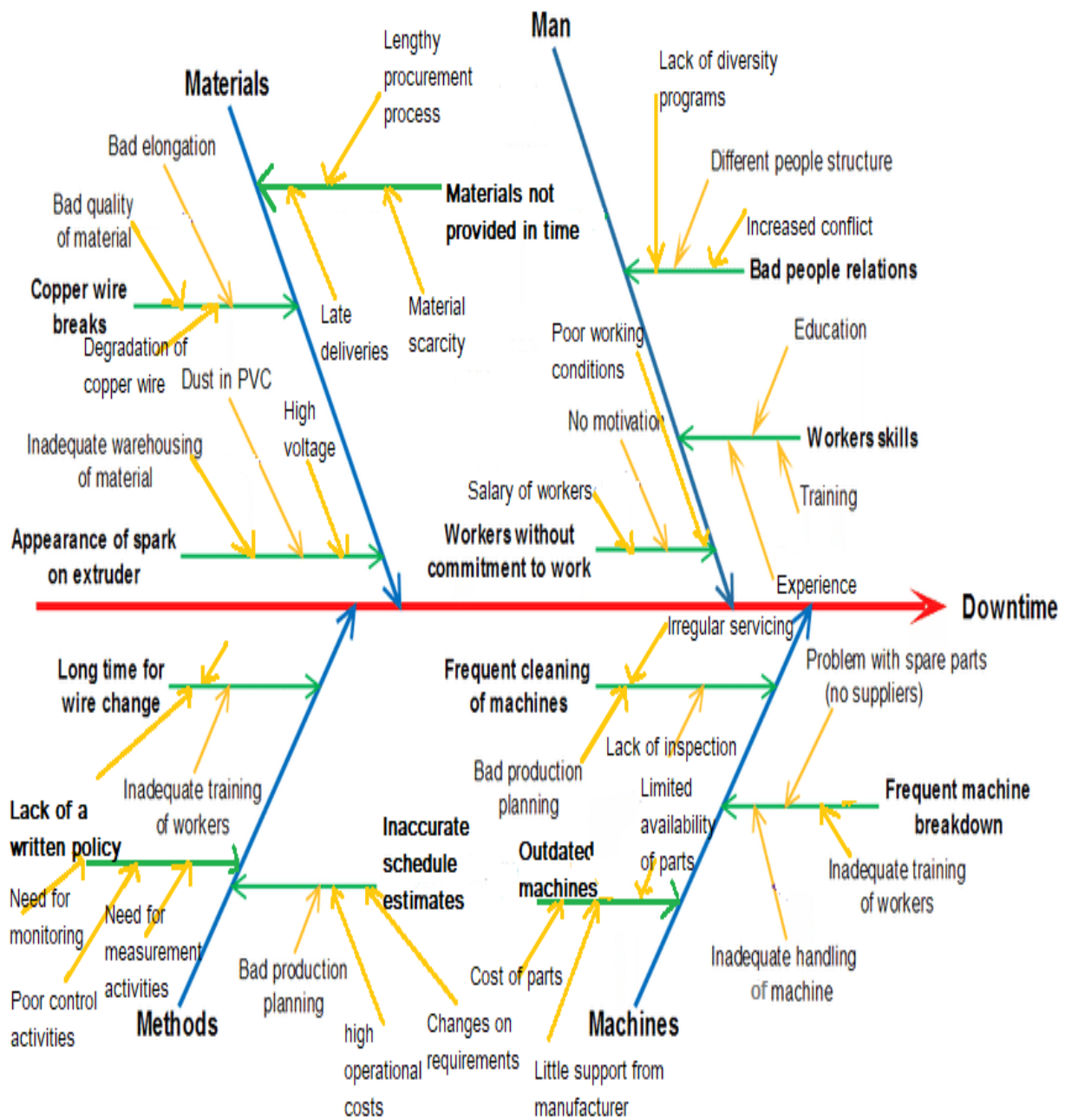
Course

Date

Effect: Machine Downtime		
Major Cause:	Cause Categories:	Subcauses:
Materials	Copper wire breaks	Bad quality of materials
		Bad elongation
		Age
	Appearance of spark on extruder	High voltage
		Dust in PVC
		Inadequate warehousing of material
	Materials not provided in time	Lengthy procurement process
		Late deliveries
		Material scarcity
Methods	Long time for wire change	Inadequate training of workers
		Company policy
		Poor synchronization
	Inaccurate schedule estimates	Bad production planning
		Changes on requirements
		High operational costs
	Lack of a written policy	Need for monitoring
		Poor control activities
		Measurement activities
Man	Bad people relations	Different people structure
		Increased conflict
		Lack of diversity programs
	Workers skills	Training
		Education
		Experience
	Workers without commitment to work	Salary of workers
		No motivation
		Poor working conditions
Machines	Frequent cleaning of machines	Bad production planning
		Irregular servicing
		Lack of inspection
	Frequent machine breakdown	Problem with spare parts
		Inadequate training of workers
		Inadequate handling of machine
	Outdated machines	Cost of parts
		Limited availability of parts
		Little support from manufacturer

Cause and Effect Diagram

Cause and Effect Template



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