



University/ Academy: University of Benha
Faculty/ Institute: Faculty of Engineering
Academic Year / Level: 2019-2020 -3 rd year
Program: Mechanical Engineering (Power)
Researches subjects for Industrial Engineering (M 1382)

No	Research Address
1	The industrial engineering concept and its related with the various production items (10Ms).
2	The comprehensive industrial safety concept for workplace and its related with the environmental system.
3	PDCA cycle is considered as one of the scientific management principles as perspective total quality management (TQM) to realize the continuous improvement.
4	The correlation of the production cost and quantity to achieve the economical performance for production using break even chart.
5	SWOT technique is used to analyze and evaluate production / project planning stages to achieve its targets.
7	The balance between the inventory cost and economic order quantity (E.O.Q) to avoid stock out for the storage and to achieve min. cost for the storage and material handling equipment.
8	Organization of the automobiles assembly factory and its various departments through 50 years according to the development of design and marketing.
9	The cause and effect (Fish Bone diagram) to analysis and measure the quality of management actions.
10	The balance between the optimum preventive maintenance and its min total cost in maintenance planning for M/Cs to achieve its productivity.

Course Instructor:

Head of Department:

Dr. Mohamed Reda Ramadan Gomaa

Program Manager:

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