**الخطة البحثية لقسم الهندسة الصناعية**

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| **المجال البحثي** | **بحوث الدرجات العلمية** | | **بحوث الترقي (25%)** | **مشروعات بحوث تطبيقية مموله (10%)** | | **تخصص البحث** | **ترتيب الأولوية** |
| **موضوعات الماجستير (35%)** | **موضوعات الدكتوراه (30%)** | **موضوع المشروع** | **الموازنة المقترحة ومصدر التمويل** |
| **Industrial Engineering** | -**A methodology of developing the design of a supply chain management**  **- Developing supply chain using lean six sigma approach.**  **-Empirical model for retailer shelf optimization**  **-Managing the product variety risks in the supply chain.**  **-Robust MPS /AOC policy for optimizing manufacture’s and vendor’s schedule performance in make to order supply chain.** | **-Framework of the development of supply chain strategy.**  **-Designing a knolwedge based system for strategic planning** | **Development of an intelligent production schedule systems** | **A study of best Practices in supply chain managemnet in egyptian industry**  **Developing an internet based system for improving performance of drugs supply chain** | 12000  صندوق الدراسات العليا  200000  صندوق الدراسات العليا | **Manufacturing Systems** |  |

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| **Industrial Engineering** | **optimum solutions of procurement models.**  **An Integrated and intelligent DSS for manufacturing systems.** | **An optimization-based decision support system for strategic planning in process industry** | **Data mining applications in engineeing design, manufacturing and logistics.** | **Simulation optimization based DSS Application in a production line** | 80000  صندوق الدراسات العليا | **Decision Scince and Modelling** |  |
| **Total quality management and contionous improvement of project management** | **Using Neural networks to detect and classify out of control signal in manufacturing processes** | **Total quality management and total cost assesment : a case study** | **Impact of Total quality management on assement of egyptian industry** | 120000  صندوق الدراسات العليا | **Quality Engineering** |  |
| **Factors influencing project sucess : the impact of human resource management** | **A framework for performance measurement in services systems** | **An approach for efficient healthcare design and optimization** | **Training,motivation and performance: the case of human resource management** | 90000  صندوق الدراسات العليا | **Services & Human Factors and Ergonomic** |  |