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| **مشاريع قسم هندسة القدرة والمكائن الكهربائيه  للعام الدراسي 2017-2018**  |
| **نوع المشروع** | **عنوان المشروع** | **اسم التدريسي** |
| نظري | Fault analysis of three phase induction machine | م م اسامة صاحب جعفر |
| عملي | Study and implementation for  improving pump solar in Diyala | د رغد علي مجيد |
| عملي | Design and implementation of pool heating system by using solar energy source | د نسرين سبع خماس |
| نظري | Design shunt active power filter to improvement of the power system performance | م هشام عيدان حسين |
| نظري | Direct torque control of AC machine | م م قاسم محمد حسن |
| نظري | Types of pulse width modulation and application  | م م عمار عيسى |
| عملي | Finger print based security system for building multi controller | م م محمد حسن على |
| عملي | Implementation of PID controller in matlab for real time DC  motor drive | م م حيدر سالم حميد |
| نظري | Optimal economic dispatch of thermal power station using FACT devices | م غسان عبد الله |
| عملي | Design and implementation a smart seat of handicap people in Iraq | د خالد غضباند لفته اسماعيل جمعه القيسي |
| عملي | Design and implementation Robotic hand using Microcontroller | د سلام نزهان احمدد خالد غضبان محمد |
|   | * Maximum power point tracking  based induction generator
* Recovering short term disturbance in the distribution line
 | د محمد سعدي حسن |
|   | * Voltage profile improvement and line loss reduction in primary distribution system based on distributed generation
* Comparison between classical V/f control and DTC control of three phase induction motor drive with PI controller
 | م م على نجم عبد الله |
|   | Electrical engineering testing for building blacks | د سلام نزهان احمد |
| نظري | Reactive power compensation | د بلاسم محمد حسين |
| نظري | Methods of Dc motor speed control using matlab Simulink | م م علي ساجد كيطان |
| نظري | Reconstruction and design of primary power distribution network (Baqubah – Tahreer sector)underground mode using ETAP software | م م رشا ياسين |
| نظري | Reconfiguration of Baqubah power distribution network for optimal load sharing Among the distribution substations usindmatlab | د نصر الله سلمان |
|                | * Design and Implementation Smart  Hoist Crane for Lift Patients(part 2)
* Design and Implementation Smart  robotic for Military Applications
 | م م احمد ابراهيم جابرم م علاء عبد الحسين هجر |
|   | * Speed control on an induction motor using an arduino microcontroller
 | م.م. ميادة صاحبم خالد حسين |