



**Northern Technical University**  
**Technical Engineering College / Mosul**  
**Dept. of Power Mechanics Engineering Technology**  
**Postgraduate Studies – Higher Diploma Theses**



| No | Student Name                       | Thesis Title                                                                                                                          | Supervisor               |
|----|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1  | Mohammed Waleed Yousif Abduljabbar | Fabrication of creep testing machine by reverse engineering                                                                           | Dr. Hussein Mohammed Ali |
| 2  | Ahmed Mahmood Jasim Mohsen         | Fabrication of abrasive water jet machining for cutting process                                                                       | Dr. Hussein Mohammed Ali |
| 3  | Saad Riyadh Abdulqader Mohammed    | Design and manufacturing of raw power centrifuge                                                                                      | Dr. Rafie Rushdi         |
| 4  | Mohammed Aqeel Mahmood Fattah      | Performance analysis of single slope single basin solar system with extended fins in Mosul climatic conditions: an experimental study | Dr. Omar Rafie Mahmood   |
| 5  | Saleh Mahmood Najm Abdullah        | Simulation of a gasoline engine to investigate the effect of Operating Variables on engine Performance and thermal efficiency         | Dr. Omar Rafie Mahmood   |
| 6  | Alhan Salem Saleh Sultan           | Mechanical behaviors investigation of hybrid composite for E-glass and basalt fiber reinforcement epoxy under there bending moment    | Dr. Thamer Aoun Aldeen   |
| 7  | Lilian Yasser Yaseen Ahmed         | Numerically investigation for the mechanical properties of the glass fiber panel under in dentation load                              | Dr. Thamer Aoun Aldeen   |
| 8  | Ola Talal Maayouf Alshammaa        | The Effect of Nano fluid use on Performance of Solar Photovoltaic/Thermal Cells                                                       | Dr. Qais Abd Yousif      |
| 9  | Amna Faris Hamid Abbo              | Temperature distribution on aluminum alloy models welded by the method of friction stir welding                                       | Dr. Emad Toma            |
| 10 | Ola Raad Noori Qasim               | Experimental Investigation on the Performance of Fan Coil Unit Chilled Water by using alumina nanofluids                              | Badran Mohammed Salem    |