

**Benha University,  
Shoubra Faculty of Engineering,  
Mechanical Power Department,  
Graduation Project 2011 – 2012.**



# **PHASE CHANGE MATERIAL**

IN THERMAL SOLAR WATER HEATING  
SYSTEM



NUMERICAL ANALYSIS USING  
**COMPUTATIONAL FLUID DYNAMICS**



**Under Supervision Of**

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**&**

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Phase change Material

## Project working group

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