

# Mohamed Saad Mustafa Mohamed

**AREA OF INTEREST:** Mechanical Engineering

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## Personal information

Nationality **Egyptian**  
Date of birth **9-2-1990**  
Gender **Male**  
Military status **Completed**  
Marital status **Married**

## Desired employment : Mechanical engineering

Education : **Master Of. Science in Mechanical Engineering, November 2019 Al-Matareya College of Engineering-Helwan university- Department of Mechanical Engineering, Egypt**  
General grade: **Excellent**  
Thesis: **On Study of Solar Power Plant Performance Using A heat Transfer Fluid Containing Nanoparticles**

Education: **Bachelor Of. Science in Mechanical Engineering, August 2012, Higher Technological Institute, Tenth of Ramadan City, Egypt.**  
General grade: **Excellent (3.64)**  
B.Sc. project: **Study of Stability of Lifted Diffusion Flame**  
Grade of B.Sc. project: **Excellent**

## Personal skills and competencies

Mother tongue(s): **Arabic**  
Other language: **(Europe level) English**  
Listening: **Very Good**  
Reading: **Very Good**  
Spoken interaction: **Good**

## Computer skills

**MS Office (Word, Excel, PowerPoint), AutoCAD 2D, AutoCAD 3D, ansys, SolidWorks**

## Other skills

**Able to work under stress Strong interpersonal and communication skills Energetic and self-motivated Posses leadership qualities.**

## Training

**Dates:** (Sep -Des) 2012  
**Title of qualification awarded:** Excellent  
**Principal subjects:** Learn about the pumps used in the transportation of petroleum, production lines,  
**Organization providing education and training:** Petroleum Pipeline Company

## Training

**Dates:** (May- Aug) 2011  
**Title of qualification awarded:** Excellent  
**Principal subjects:** Learn how aircraft are operated, types of engines used, motion theories, and materials manufactured  
**Organization providing education and training:** Egypt Air

## Training

**Dates:** (May- Aug) 2010  
**Title of qualification awarded:** Excellent  
**Principal subjects :** Training on the types of pumps and compressors used, tanks, their manufacturing mechanism and their types  
**Organization providing education and training:** Nasr Petroleum Company

## Training

**Dates:** (May- Aug) 2009  
**Title of qualification awarded:** Excellent  
**Principal subjects:** steam power plants  
**Organization providing education and training:** Etaqua power station

## Training

**Dates:** (May- Aug) 2008  
**Title of qualification awarded:** Excellent  
**Principal subjects:** Production & Manufacturing Technology  
**Organization providing education and training:** College Workshops

Key personal	Member in team
Area of Experience	<ol style="list-style-type: none"> <li>1- Work in the Egyptian Armed Forces in the field of water pumps during the period of recruitment.</li> <li>2- Assistant Lecturer, Department of Mechanical Engineering, Renewable Energy Division, Higher Technological Institute, Tenth of Ramadan - Cairo – Egypt.</li> <li>3- Supervisor of working groups in renewable energy projects at the institute such as desalination of water using solar concentrators, development in the system of parabolic trough concentrators and access to optimal operating performance in various applications by using tracking and cooling systems.</li> <li>4- Part Time - Teaching Assistant, Heliopolis University.</li> </ol>
Academic Experience	<ol style="list-style-type: none"> <li>1- Fluid mechanics</li> <li>2- Thermo dynamics</li> <li>3- Engineering Drawing</li> <li>4- Fluid Power</li> <li>5- Renewable Energy</li> </ol>
Master and PhD Information	<ol style="list-style-type: none"> <li>1- Master in Mechanical Engineering, November 2019 Al-Matareya College of Engineering-Helwan university-Department of Mechanical Engineering, Egypt,Excellent grade, under the title" On Study of Solar Power Plant Performance Using A heat Transfer Fluid Containing Nanoparticles</li> <li>2- Ph.D. is being registered at Suez Canal University, Mechanical Engineering Department, Renewable Energy Division, and a preliminary proposal for work in water desalination is being submitted using phase change materials with nanoparticles added to it.</li> </ol>
publications	<ol style="list-style-type: none"> <li>1- Reda I.Afify, S.F.Mansour,Khairi F. Megalaa and M. Saad Mostafa,(2019)"Developed Heat Transfer Fluid Containing Nanoparticles"nature and science</li> </ol>