

Title: Medical Equipment Needs Assessment System for Healthcare Organization

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Better health is central to human happiness and well-being. the healthcare industry is one of the world's largest and fastest-growing industries. Health-care technology has become acritical component of healthcare industry specifically medical equipment.

Our project proposes the resolution that covers issues arising from inappropriate deployment and use of medical equipment and the need to establish priorities in the selection and management of medical equipment to achieve the greatest benefits at the appropriate cost and to reduce the proportion of human error.

This led to the emergence of a new term in the medical field called Needs assessment which means a process for determining and addressing the gaps between the current situation or condition, and the desired one. It is a strategic activity and a part of the planning process that aims to improve the current performance or to correct
deficiencies.

Hence, the idea of the project is based on the design and development of a system responsible for determining the real needs of the healthcare organization for any medical equipment by reducing the gap between the available and the required equipment considering the consumption rate and demand by international standards. we believe that the project will help the decision maker to improve the performance of the healthcare organization to the highest levels of quality according to the standards used globally and save time, effort and money. This process has become known globally as needs assessment .

Biography

Trainee at (Siemens Healthineers company) 2018

- Medical imaging equipment maintenance training 2weeks internship covered :medical imaging devices, maintenance and
installation X-RAY,CT and MRI
- trainee at MPCS(Medical Planning and Clinical Solutions) company 2019
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- trainee at Gastrointestinal surgery center (GISC) Mansoura university 2018
- clinical training Trainee at Oncology center Mansoura university 2018
- Clinical trainin Tranee at Elagouza police hospital 2019
- Clinical training Internship at Mpcs company medical planning internship 2019
- BSA PR(Public Relation)leader for 4th biomedical engineering conference at Mansoura university
(Biomedical Scientific Association Mansoura University)
- Hosted 2nd,3rd and 4th Biomedical engineering conferences
- Organized 2nd,3rd and 4th Biomedical engineering conferences
- Organized scientific symposium about artificial intelligent
- Organized MPCS workshop about sales in biomedical engineering

- Speaker at many workshop in college such as :
  -How to deal with your problems in university
  -How to write your CV

Presenting author details

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