

MIIEx2017

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International
Intellectual
Exposition

PROGRAMME ABSTRACT

AUTISM

INNOVATION

DESIGN

INVENTION

“Bridging Gaps with Creativity for Future Sustainability”

MIIEX2017



"Bridging the Gaps with Creativity for Future Sustainability"

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HEALTH CARE ANALYSER

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Abstract

Health care analyser are product that check the health of people by digital thermometer, digital glucometer and heart beat sensor. The three components are combine in one microcontroller. This product focusing on healthy because of people nowadays didn't know they have diabetes or heart disease because lake of action about disease and factor of disease. Digital thermometer function as detect heat body temperature. Then, digital glucometer is measure glucose in blood either have diabetes or not. Other than that, heart beat sensor is using to read the heart beat rate that conclude either the person is health or not. Output is liquid crystal display (LCD) that show the reading that make. Led uses to show that Health Care Analyser function or not. Then Handphone or web display the all reading to others person to control from far.

HELPBOT: MULTIPURPOSE ROBOT

Uzaini Bin Ahmad, Muhamad Amar Sufi Bin Arman, Mohd Sufian Bin Ramli,
Siti Sufiah Bte Abd Wahid & Khairul Kamarudin Bin Hasan

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Abstract

The aim for this project is to move an item from one place to another by using mobile hand robot. The body of this robot comprises of servo motors, DC motors and Arduino microcontroller board. Moreover, the control signal is manual input and sent via Bluetooth communication to make the robot following the desired movement. This robot can be served as a safety measurement for the researches when handling and experimenting hazard chemicals. The robots tend to possess some or all of the following abilities and functions: accept electronic programming, process data or physical perceptions electronically, operate autonomously to some degree, move around, operate physical parts of itself or physical processes, sense and manipulate their environment, and exhibit intelligent behavior especially behavior which mimics humans or other animals.