Today life is being continuously threatened by various harmful diseases, some of which are even incurable. Recently the rate of diseases is increasing rapidly with the increase in the change of symptoms of each disease. The medical industry requires new Intelligent technologies, to successful diagnoses and surgical outcomes depend on the experience and skill of examiners with it the risk of failure. Thus, the Medical industry requires new Intelligent technologies, such as soft computing techniques, to assess information objectively. Soft computing is based on natural as well as artificial ideas. It is referred as a computational intelligence. In fact the role model for soft computing is a human mind. Soft computing techniques have become one of promising tools that can provide practical and reasonable solution. It combines the design and problem solving skills of engineering with medical to advance health care treatment, including diagnosis, monitoring, treatment and therapy. Computers aid in developing a fully automated system which would help in accurate identification of abnormalities in the medical field. The accuracy of the computer aided systems is highly superior to the manual observations and hence automated systems are significantly preferred by the physicians. Most of the automated systems are based on soft computing techniques which includes Artificial neural networks, fuzzy theory, evolutionary algorithms, Artificial intelligence techniques, etc. The Medical Healthcare Systems are integrated with Soft Computing techniques and expert systems to assist the doctors in every possible ways. Modern intelligent Medical Healthcare systems and techniques give access to vast sources of knowledge base as well as virtual database most of which are self-updating. This special issue small effort to present a review of some of the Soft Computing techniques carried out by various researchers in the field of development of Expert systems, new algorithms and tools used for the diagnosis of different disease. Soft computing techniques came into existence to deal effectively with the emerging problems related to medical diagnosis. The purpose of this special session is to demonstrate the potential of several intelligent approaches exploited in medical planning, diagnosis and treatment. This also brings together researchers and practitioners from academia to industry working in multi-disciplinary area and technically converging areas.

Topics-Potential topics include (not limited to):
- Medical imaging, signal processing and text analysis
- Data mining medical data and Clinical Expert Systems
Modelling and simulation of medical processes
Patient-centric care, medical imaging, medical ontology
Rational drug design and personalized medicine
Biomedical text/data mining and visualization
Computer-aided diagnosis, detection and surgery systems
Medical informatics and Healthcare
Medical image/signal analysis and theory/algorithms/systems
Multidimensional data Visualisation
Soft computing for medical Screening
Therapy, Prognosis and Monitoring
Biomedical/Biological Analysis and Epidemiological Studies
Hospital Management, Medical Instruction and Training
Pathological signals (ECG, EEG, EMG)
Medical Images (mammograms, ultrasound, X-ray, CT, and MRI)
Neural networks, fuzzy logic and Genetic algorithms
Intelligent medical imaging systems and Motion Analysis
Wireless Healthcare and Biological image analysis
Biomedical Data, Biomedical Ontology and Bioinformatics
Artificial Neural Networks for scan images such as brain, eye, lungs, blood, bone, etc.
Medical Image denoising, noise removal, etc.
Medical scan images and texture analysis

Submission Details
Authors should follow the manuscript format and the submission procedure of Intelligent Automation & Soft Computing Journal manuscript format described below at the Journal site: http://wacong.org/autosoft/auto/index.php.
The submission must include the title, abstract of your paper, and the corresponding author's name and affiliation. All papers will be rigorously reviewed based on the quality: originality, high scientific quality, well organized and clearly written, sufficient support for assertions and conclusions.

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