



# International Journal of Engineering and Science Invention

e-ISSN : 2319-6734

p-ISSN : 2319-6726

## Contents :

Simulation and Tuning of PID Controllers using Evolutionary Algorithms For different systems	01-07
Density Studies of Rare Phase Transitions in Liquid Crystals	08-12
Implementation of a Secure Encrypted data layer for IOT Applications on a reconfigurable hardware	13-16
Effect of steam boiler explosion on boiler room and adjacent buildings structure	17-37
Development of wireless Fire-Detection and multipurpose Extinguisher Robot	38-42
Evaluation of thermal Efficiency of Double-hole Sawdust Stove using Different Biomass Residues in Sokoto, Nigeria	43-46
Machine Vision and Image Processing in Industrial inspection and quality control	47-51
Comparative Analysis of Selected Flat Plate Collectors against Evacuated Tube Solar Collector	52-58
Foreground Moving Object Detection Using Background Subtraction	59-62
Design of Boost Converter with Pi & Ip Controllers and Pi Observer	63-80
A Survey on the usability of available Big Data platforms and its industry trends	81-85
Design and Implementation of IOT powered Smart Home Automation	86-89

# IJESI

**Volume 8 ~ Issue 2, Series-2 (Feb. - 2019)**