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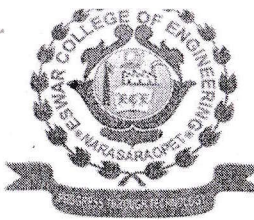
No	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	National / International	ISBN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr SK MUZEER	HR Services Rendered from Within the Organization – A Study of Work Life Balance	HR Services Rendered from Within the Organization – A Study of Work Life Balance	HR Services Rendered from Within the Organization – A Study of Work Life Balance	International	978-93-88808-05-7	ESWAR COLLEGE OF ENGINEERING	PARAMOUNT Publishing House
2	Dr SK MUZEER	Impact of Work-Life Balance Issues on Performance of Pharmaceutical Sales Managers - A Study on Selected Areas in AP	Impact of Work-Life Balance Issues on Performance of Pharmaceutical Sales Managers - A Study on Selected Areas in AP	Impact of Work-Life Balance Issues on Performance of Pharmaceutical Sales Managers - A Study on Selected Areas in AP	International	978 93 83038 73 7	ESWAR COLLEGE OF ENGINEERING	SIRI PUBLISHERS AND DISTRIBUTORS PVT. LTD
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5	P Bhramrambavathi	international journal of research in Advant technology	Power Quality improvement By using Hybrid seven level H-Bridge Inverter Based Power flow controller In Distribution system	ICTEC-2019	international	2321-9637	ESWAR COLLEGE OF ENGINEERING	SPECTRUM PUBLICATIONS

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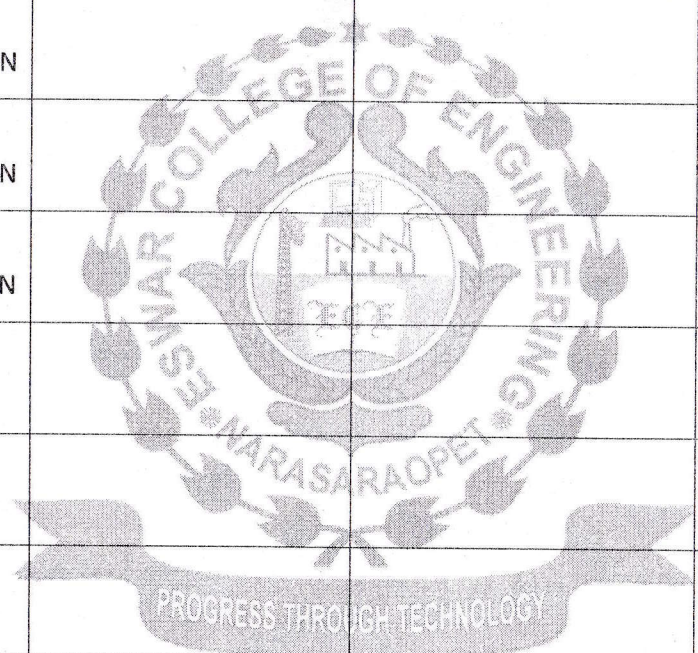


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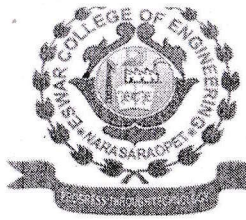
6	N Balakrishna	international journal of research in Advant technology	Design and implementation of smart home automation system through IOT	ICTEC-2019	international	2321-9637	ESWAR COLLEGE OF ENGINEERING	SPECTRUM PUBLICATIONS
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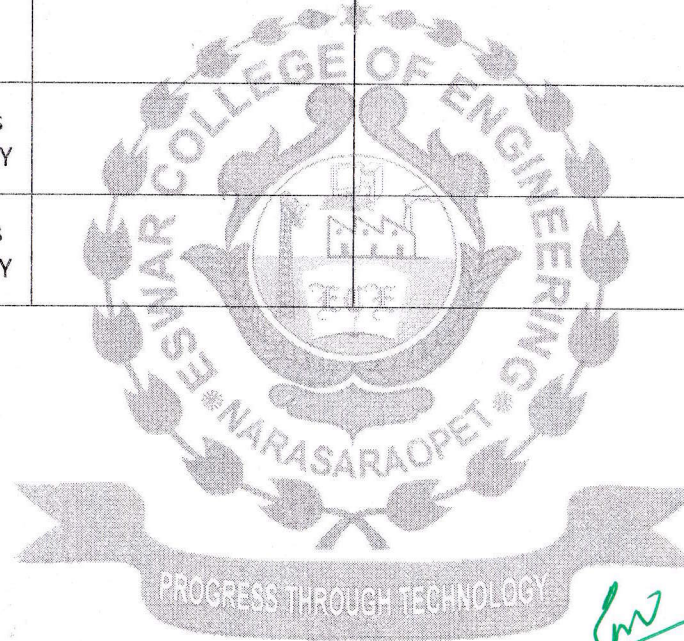



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## **Role of Training & Development and Communication on Quality of Work Life**

(With reference to selected IT companies of Hyderabad city)

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### **ABSTRACT**

*As a result of dynamic changes in work environment, the employees in Information technology companies are seriously affected in quality of work life, it was seen as the latest insurgency in Information Technology sectors that was taking place in the relationship between employees and work. The aim of this paper is to determine the factors affecting quality of work life of the employees in the Information Technology companies and to study the relationship between the Job satisfaction and performance level with the quality of work life. In the present study the researcher has chosen the Information Technology companies in and around of Telangana State, based on the interview with the employees in the organization, a pilot study conducted. The factor contribute to quality of work life includes Work relate pressure, Leadership behavior description, Work life balance, Management Policies, Opportunity to develop and growth, Job security, Adequate and fair compensation, Inter- personal relation and Work culture. The information collected from the survey will be used to develop the quality of work life of the employees in the Information technology companies.*

**Key Words: Quality of Work Life- Information Technology (IT) - Job Satisfaction- Factors affecting- Adequate and fair Compensation**

### **1. INTRODUCTION**

There are various factors affecting quality of work life includes Work relate pressure, Leadership behavior description, Work life balance, Management Policies, Opportunity to develop and growth, Job security, Adequate and fair compensation, Inter- personal relation

## IMPACT OF WORK-LIFE BALANCE ISSUES ON PERFORMANCE OF PHARMACEUTICAL SALES MANAGERS - A STUDY ON SELECTED AREAS IN AP

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### ABSTRACT

*In terms of Indian context, the concern over work-life balance is gradually becoming a common talk. When employees go back to their homes, they should not carry any organizational stress with them. An individual has two roles to play- personal and professional; each role having different set of demands. When such role demands overlap, multiple problems are faced leading to losses for all concerned: the individual, the family, the organization and the society. In sales job, the performance pressure is considerably high leading to stress and other problems. This exploratory research is an attempt to study the work-life balance issues with reference to area sales managers working in pharmaceutical sector. The results derived from data analysis reveal significant results with respect to work-life equilibrium. The study has wide implications for industry in particular.*

**Key Words:** *work-life balance- performance- pharmaceutical- sales job- stress- equilibrium*

### INTRODUCTION

Sales have been considered as one of the most rewarding and challenging fields of employment in India. This field has its own charm and identity, which is different from other fields of specializations. Due to attractive remuneration package, extensive traveling involved and target-driven performance incentives, many ambitious candidates enter into sales and get success. This field is most suitable for aggressive, extrovert, result-oriented persons, who like extensive traveling and meeting people. This field of employment has been usually dominated by male aspirants. However, due to opening of markets and attraction for sound remuneration, many female incumbents have started entering into sales.

Among all the industry sectors, pharmaceutical sector is known for its unique marketing approach. Barring on-the-counter drugs, pharma companies cannot directly float their advertisements on various channels. They have to depend solely on direct sales. The uniqueness of the pharma sector lies in the fact that the companies do not target the customer or consumer, rather they target the reference person i.e. the medical practitioner. A sales person in Pharma Company has to meet the doctors, explain about the medicines and request for prescriptions. Similarly, he/she has to contact the medicine retailers (medical stores) for ensuring regular supply of company's products. In this manner, the job of sales person in pharma

# HR Services Rendered From within the Organization - A Study of Work-Life Balance

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## Abstract

Sustainability of the organizations largely depends on the employee productivity. Utilization of the employee resources for achievement of better results are based on the commitment of the employees towards organizational goals and personal family life goals. Rational satisfaction over work and family life are the great challenges to the employees. In the era of globalization, the work life balance has direct impact on the quality of life as well as the quality of the organizational work flow. In view of these emerging issues, the present paper contributes valuable field based observations on employees with reference to the preferences, constraints and cope-up strategies for the work life balance.

**Key words:** cope-up strategies, leave v/s leaving, preferences, motivation, stress

## INTRODUCTION

The concept of work-life balance has received huge concern in the present stressful competitive market. The emerging problems including pressure for substantial intensification of work, due to imbalance in personal economical growth, organizational redesigns, modification in the work pattern and changing work culture and increase in the business competition has led to work-life imbalance. Most of the present day organizations have equipped themselves with three remedial approaches with regard to employees' argument on work-life balance. These include the organization reacting through emotional situations which include ignoring the employees' problems of their ostrich approach), focusing on the problems when the problem get severe (just in time approach) and getting well ahead by working on the root causes of the problem before it gets worse. Modern day situations are demanding the complex decision making strategies of the organization and the employees to tackle with the sensitive emerging problem in the form of work life balance.

## CONCEPTUAL FRAME WORK OF WORK LIFE BALANCE

Work is simply an effort which is directed to achieve a specific objective. For organizational context, work is an assignment which requires an effort to get completion. The work life balance is an accumulation of experiences, the opportunity to experiment and learn. Balance in the work life balance

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH

# ADAPTIVE FILTERING

## PRINCIPLES, CONCEPTS AND APPLICATIONS



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This book titled *Adaptive Filtering: Principles, Concepts and Applications* covers principles, concepts and applications of adaptive filtering. The development of adaptive filtering started in 1976 and widely developed over different application areas. It is certainly not our ambition to cover everything of adaptive filtering principles and applications. Rather, this edited book features the latest methodological, technical and practical progress on promoting the successful use of adaptive filtering principles and applications, which are more useful in the current day scenario. The book contains ten chapters contributed by the experts in the area of adaptive filtering throughout the world. The various applications addressed are MIMO receivers, adaptive exon prediction for DNA analysis, beam steering for smart antennas for mobile applications, telecardiology systems, physiological signal analysis, brain computer interface applications, speech signal conditioning, filtering thoracic electrical bio-impedance, and inter symbol interference cancellation in wireless communication systems. The intended audience of this book will mainly consist of researchers, research students and practitioners in adaptive filtering and applications. The book is also of interest to researchers and industrial practitioners in areas such as algorithm developers, biomedical engineering, biomedical instrumentation, VLSI circuits design, and embedded systems. This edited book will present research outcomes on theoretical and technical issues related to real time applications.



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*Chapter 9*

**FILTERING THORACIC ELECTRICAL  
BIO-IMPEDANCE USING  
ADAPTIVE ALGORITHMS**

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**ABSTRACT**

Analysis of Thoracic Electrical Bio-Impedance (TEB) facilitates the heart stroke volume in sudden cardiac arrest. In a clinical environment, TEB signal encounters with various physiological and non-physiological artifacts. As these artifacts are non-stationary we propose adaptive filtering techniques to enhance TEB signals. In order to accelerate the filtering capability, we use variable step size techniques rather than fixed step size. This leads to data variable LMS (DVLMS), error variable LMS (EVLMS), time variable LMS (TVLMS) and step-variable LMS

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# Power Quality Improvement By Using Hybrid Seven Level H-Bridge Inverter Based Power Flow Controller In Distribution System

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**Abstract:** As indicated by advancement of electricity demand and upgraded the numerous quantities of non-linear loads in power grids requiring an adroit electrical power. In this article, enhancement of power quality in distribution systems utilizing hybrid seven level H-bridge inverter (HSLHBI) structure based distributed power flow controller (DPFC) is developed. A DPFC is one of the contemporary FACTS device and its structure is like the unified power flow controller (UPFC). Regardless of UPFC, in DPFC the normal DC-interface capacitor between the shunt and series converters is disposed of and the three-stage serial converter is isolated to many single-phase series distributed converters through transmission line. This at last empowers the DPFC to completely control all power system parameters. DPFC builds the dependability of the device and lessens its expense all the while. The HSLHBI is goes about as voltage source converter (VSC). The MLIs are utilized for high power and high voltage applications. The HSLHBI output voltage delivers a staircase output waveform. this waveform resemble a sinusoidal waveform prompts decrease in Harmonics. The fuzzy logic controller (FLC), proportional integral (PI) controller and multi-carrier sinusoidal PWM method are intended for DPFC to controlling its parameters. The execution of the designed DPFC for distribution system is verified by translating the MATLAB Simulink model. The outcomes are exhibited to demonstrate the execution of the structured DPFC in distribution system with FLC.

**Index Terms** - FACTS, Power Quality, Multi Level Inverters, Intelligent Controller, Distributed Power Flow Controller.

## 1. INTRODUCTION

An electrical fault in a power system network is practically difficult to keep away from and it causes the electrical power quality issue has been the fundamental concern of the power organizations [1]. main causes of power quality disturbances might be because of insulation failure, tree falling, fledgling's contact, lightning or a fault on a contiguous feeder [2]. The power quality unsettling influences might be as voltage sag, swells, voltage imbalances, transients, interruptions and harmonics, which can influence the execution of electrical apparatus to the industry [3-4].

These custom power devices are classified as the Distribution Static Compensator (DSTATCOM), Dynamic Voltage Restorer (DVR) and Distributed Power flow controller (DPFC). A DVR is utilized in medium-to-low voltage levels to improve client power quality [12]. The DSTATCOM is a shunt connected device, which deals with the power quality issues in the currents [15]. It comprises of a DC capacitor, three-stage inverter (IGBT, thyristor) module, AC filter, coupling transformer and a control system [16-17]. Inverter circuit is the core of DSTATCOM and different inverter topologies can be used in uses of DSTATCOM,

for example, cascaded H-bridge, neutral point braced and flying capacitor [18]. Specifically, among these topologies, cascaded H-bridge inverters are as a rule generally utilized as a result of their moderately and simplicity [19]. Different modulation methods can be connected to cascaded H-bridge inverters. Cascaded H-bridge inverters can also the quantity of yield voltage levels effectively by expanding the quantity of H-bridges. Fuzzy logic controller (FLC) for speed controller of induction motor drive through A.C chopper has been accounted for [20]. From the article, the execution of the motor parameter with FLC has well. Sliding mode controller (SMC), proportional integral(PI) controller, and SMC in addition to FLC for Luo-Converters has been introduced [21-23]. Among these controllers, SMC in addition to PI controller has performed well for converters.

From the above pointed out issues are tackled by structured hybrid seven level H-bridge inverter (HSLHBI) based DPFC in distribution system with FLC. Accordingly, in this article is to propose a HSLHBI based DPFC in distribution system with FLC. The execution of the planned is approved at various working conditions utilizing MATLAB/Simulink programming platform

# Design And Implementation Of Smart Home Automation System Through Iot

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**Abstract:** In this era of digitization and automation the life of the human being is getting simpler as almost everything is automatic, replacing the old manual systems. Nowadays humans have made internet as an integral part of their everyday life without which they are helpless. Internet of things (IoT) provides a platform that allows devices to connect, sensed and controlled remotely across a network infrastructure. In this project we focus on home automation using smart phone and computer. The IOT devices controls and monitors the electronic, electrical and mechanical systems used in various types of buildings.

The devices are connected to the cloud server are controlled by a single admin which facilitate a number of users to which a number of sensor and control nodes are connected. The admin can access and control only the nodes to which the user itself is connected. This whole system using iot will allow mobile devices to remotely control all the functions and features of home appliances from anywhere around the world using the internet connection. The system designed is economical and can be expanded as it allows connection and controlling of a number of different devices

**Keywords:** Iot, Nodemcu Esp8266, Blynk, Internet

## 1. INTRODUCTION:

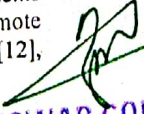
With nationals getting to be netizens, IoT has turned into a real main thrust in embellishment living basic and innovatively prevalent. In the ongoing years, there has been a developing enthusiasm among shoppers in the keen home idea [1]. IoT represents the shortened form of Internet of Things alluding to the particularly recognizable items and their virtual portrayal in a the internet. IoT is a perfect data handling and gradual addition strategy including RFID, sensor hardware, shrewd innovation, nano-innovation and other mechanical progressions. IoT is definitely not a solitary respectable innovation rather, goes around extensive corresponding specialized advancement give capacities which appropriated together guide to overcome any issues between the virtual and physical world [2]. a few home computerization framework plans has brought about Smart Homes [1]. The turn component in acknowledgment of Smart Home framework is the Home entryway in charge of exchanging diverse conventions and interfacing inward system to web [3]. With the continuous research, different keen home framework plans have been proposed where controlling activities have been executed by means of Bluetooth [4], GSM-based [5], Android Application [6], Internet [7-8], SMS [9] while a few specialists Are centering over usage by means of Speech Acknowledgment [10] and Microcontroller based Voice Acknowledgment [11]. Numerous systems managing decrease of the blackout of remote impedance on a Smart Home control network[12],

minimization of vitality utilization of Smart Home [13], mapping gadgets with RFID labels [14], enhancing information trade productivity utilizing JSON information group [15] and advancing the quantity of sensors utilized for gathering information from the physical gadgets which is utilized in checking and control of a Smart Home. A key component in IoT, an amalgamation of calculation, correspondence, insightful calculation, web-administrations and cloud computing, consequently bringing about headways in remote home administration. In the light of above advancements, this paper presents an Controlling of Home appliances through IOT.

## 2. SOFTWARE IMPLEMENTATION

### Introduction Of Blynk

Blynk is a Platform with iOS and Android apps to control Arduino, Raspberry Pi and the likes over the Internet. It's a digital dashboard where you can build a graphic interface for your project by simply dragging and dropping widgets. It's really simple to set everything up and you'll start tinkering in less than 5 mins. Blynk is not tied to some specific board or shield. Instead, it's supporting hardware of your choice. Whether your Arduino or Raspberry Pi is linked to the Internet over Wi-Fi, Ethernet or this new ESP8266 chip, Blynk will get you online and ready for the Internet of Your Things.

  
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