

31	K. Ahamed Anis Fathima	Information Technology –A Tool For Teaching And Learning Process.	978-81-929180- 2-0	DEPARTMET OF COMMERCE
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Proceedings of the NAAC Sponsored Two Day National Seminar on  
Quality Enhancement in the Contemporary Higher Education Scenario

Information Technology – A Tool for Teaching and Learning Process

K. Ahamed Anis Fathima<sup>1</sup>

**Abstract:** Widespread use of Technology is changing the way we work, learn and communicate even the way we carry out our regular, daily activities. In higher education, technology has had a dramatic impact on teaching and learning, including service -learning experience. Service learning classes and activities can be augmented through the use of technology to provide more effective experiences for faculty, students and community participants. The increasing use of information technologies has brought changes to teaching and learning at all levels of higher education systems leading to quality enhancements. Traditional forms of teaching and learning are increasingly being converted to online and virtual environments. With their ready access to new technologies, higher educational institutions are well-positioned to take advantage to rapid changes in the field. New technologies provide teachers with many interesting tools that can be used to improve the teaching learning process.

**Keywords:** Information, technology, Teaching and Learning

**Introduction:**

One of the basic functions of education is preparation of students for life. Over the last decade there have been many changes made within the higher education system, for example the creation of the new universities, the growth in the number of students gaining access to university and increased availability of learning technologies. These changes in combination with various internally and externally directed academic audits and quality assessment exercises have resulted in many academic staff re-evaluating the instructional methods utilized within their courses and how these relate to the quality of their students learning. High unemployment has also resulted in many perspective employers being able to redefine the range of skills, such as good communication and team working skills, which should now accompany the body of knowledge required from a university graduate

Information technology have affected every aspect of human activity and have a potential role to play in the field of education and training. The need of new technologies in teaching learning process grows stronger and faster. Information technology help in promoting opportunities of knowledge-sharing throughout the world. Information rich society promotes new practices and paradigms for education where the teacher has to play new role of mentoring, coaching and helping students in their studies rather than playing the conventional role of spoon feeding in the classrooms.

**Objectives**

- To explore the usage and importance of information technology in teaching and learning process.
- To find out the impact of Information technology on students and teachers' performance.

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## A CONCEPTUAL STUDY ON CORPORATE GOVERNANCE –AN OVERVIEW

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### ABSTRACT

The term Governance has been implemented in each country and in corporate is shaped by various factors like political, economic and social history, legal frame work, values and ethics of the promoter, managerial practices etc. The term corporate governance has now become a common factor and usage is not very consistent as the corporate have been utilizing the concept in its own way based on their values and ethics. Good corporate governance is not just good management. It is much broader than this and includes fair, efficient and transparent administration designed to meet certain well defined objectives in an organisation. Currently, corporate governance reforms in India are at crossroads while corporate governance codes. The study is made to know the Need, Importance, Principles of Corporate Governance.

**Keywords:** Corporate Governance, Economics, Co-operations

### INTRODUCTION

In the age of globalisation and localisation, governments increasingly have to make pro-active responses to positive economic opportunities as well as to react defensively to negative economic pressures. The term governance is common parlance is used to mean the way people are governed and the way the affairs of the state are administered and regulated. This concept, drawn from the public administration, has received increasingly greater attention in business world in the sense of direct and control of companies by their top management. Poorly managed companies not only do harm to themselves but also to the nation in general. Corporate governance means the idea of ensuring proper management of companies through the institutions and mechanisms available to the shareholders. The organisation for economic cooperation and development (OECD) which in 1999, published principles of corporate governance gives a very comprehensive definition of corporate governance under "a set of relationships between a company's management, its board, its shareholders and stakeholders". The term governance has been implemented in each country and in corporate is shaped by various factors like political, economic and social history, legal framework, values and ethics of the promoter, managerial practices etc. The business ethics, banks, corporations, financial institutions around the world are increasingly relying on corporate governance as means to achieve high standards to raise the confidence level of the people.

Corporate governance includes a fair, efficient and transparent administration to meet certain well defined objectives.

### MEANING

#### Corporate

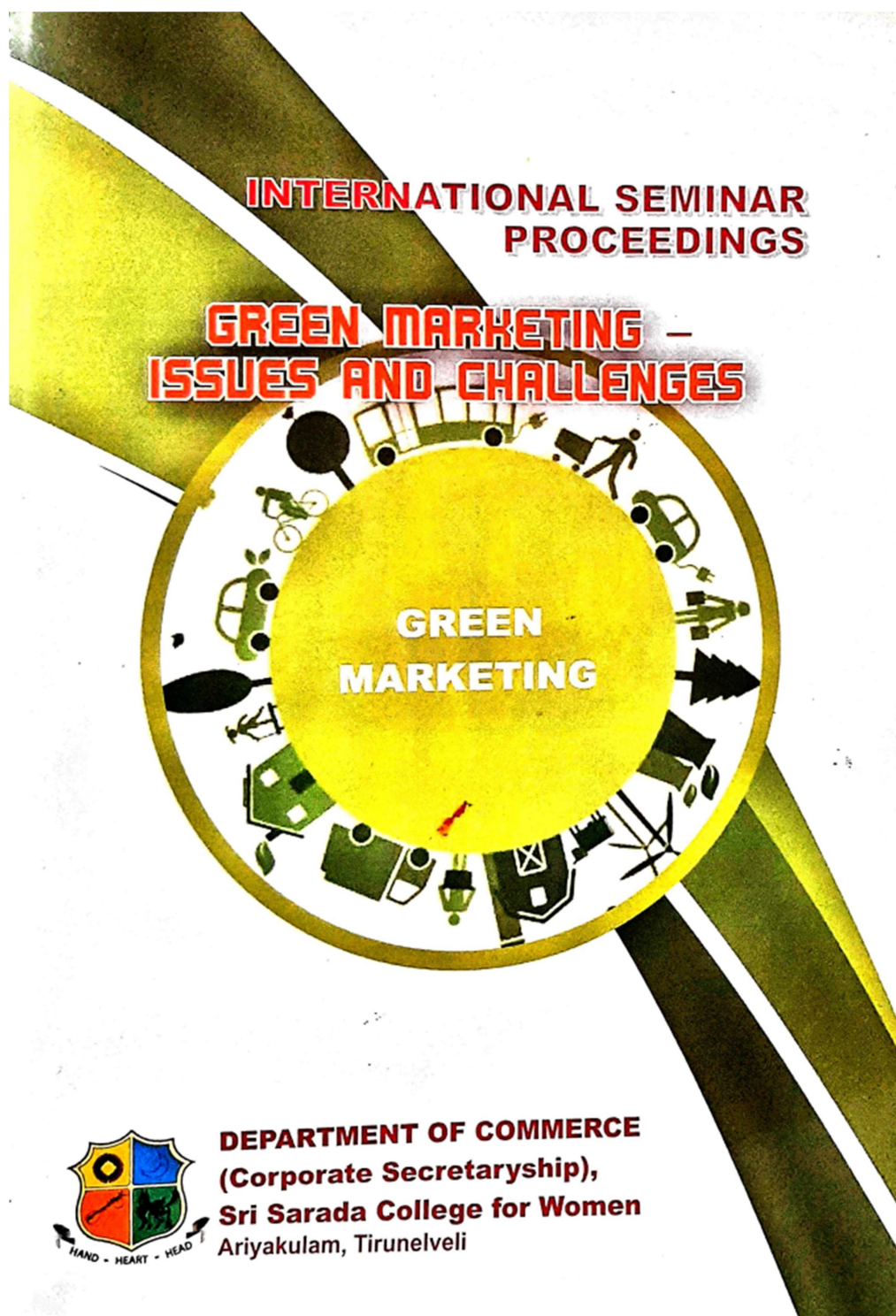
Corporate is adjective meaning "of or relating to a corporation" derived from the noun corporation. Corporation is an organisation created (incorporated) by a group of shareholders who have ownership of the corporation. The elected Board of directors among the shareholders is managing the corporation.

#### Governance

Oxford English Dictionary defines "Governance" as the act, manner, fact or function of governing, sway, control. The word has a Latin origin that suggest the notion of 'steering'. It deals with processes and systems by which an organisation or society operates.



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## **A CONCEPTUAL STUDY ON GREEN CLOTHING -FUTURE TREND**

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### **Abstract :**

Green clothing refers to fabrics that are obtained from sustainable materials like hemp, bamboo or recycled plastic. Also, the methods used to manufacture these fabrics are sustainable. There will be a considerable decrease in the carbon emission, if there is a reduction in the use of raw materials, energy and natural resources. One can opt for such green clothing without making any compromise on choice or fashion. As there was a recent talk about pollution free planet and increase in the awareness on environmental production .The need for this study was created . This study was made to know about the eco friendly cloths ,their uses and their future.

Keywords (Green clothing , eco -friendly , fashion)

### **Introduction**

Eco-fashion is also called as Green fashion that is designed to be environment friendly. Green fashion is part of the larger trend of sustainable design where a product is created and produced with consideration to the environmental and social impact it may have throughout its total life span. There was a time when used plastic bottles were a threat to the environment. Today, it is being used positively to manufacture garments. In fact, many people are wearing this green garment made from used water bottles. In the current scenario of textile pollution, choosing green clothing is a sign of being responsible and sensible towards environment.

There is not much difference with respect to quality or texture between the clothes made from recycled material and normally made garments. It is proven that recycling plastic reduce air, water and land pollution. Thus, buying products made from recycled plastic bottles indirectly help to create a sustainable living and environment.

According to a report, 86% of plastic water bottles used in US are dumped into the landfills. Around 60 million water bottles are daily used in US, which means approximately 18,834,000,000 are dumped in the landfills every year. Besides, each plastic bottle can take up to 700 years to perish. The alarming rate at which the numbers of used plastic bottles are increasing in the landfills, pose high risk to the environment. It is difficult to imagine how plastic bottles are transformed into fabrics. With the help of advanced technology, here is a process that can convert plastic bottles into fabrics. First of all the plastic bottles are collected, compressed, packed into bales and shipped to the processing factory. Then, the plastic bottles are chipped and melted into white round balls. These balls are again crushed and spun through shower like nozzle that results into viscose yarn. These yarns are used to weave fabrics and finally end up into

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## A STUDY ON IMPACT OF SOCIAL MEDIA ADVERTISEMENTS IN BUYING BEHAVIOUR OF WORKING WOMEN IN PALAYAMKOTTAI AREA

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### ABSTRACT

Consumer buying behavior is also known as consumer decision making is the process by which individuals search for, select, purchase, use, and dispose of goods and services to satisfy require needs. This study has been designed to answer main question about the role of social media advertising on consumer buying behavior. Most studies show that the Internet and social media usage is changing consumer behavioral modern trend also witnessed in developing countries. This paper will offer an overview on how the consumers use social media in the stages of decision making process and the psychographic variables that influence their behavior. A survey was conducted among 150 respondents who were selected randomly from Palayamkottai area. This study helps to find out, to what extent they are impacted by the use of social media, and what role it plays in their decision making process. The main aim of this research was to find out the attitude and behavior change among working women in Palayamkottai regarding advertisements on social media. For this study survey is conducted using questionnaire as a tool for data collection and convenience sampling is used as sampling technique. Findings and conclusions presented in the research are only valid within the population selection and cannot not to be generalized elsewhere due to the differences in environmental factor.

**Key words:** *Social Media, Social Media Advertisements, Working women, Buying behavior, Post purchasing behavior.*

### INTRODUCTION

Advertising is very important tool in promotion mix for all kind of organizations usually it refers to one-way communication in any mass media. The American Marketing Association define it as "the placement of announcement and persuasive messages in time or space purchased in any of the mass media by business firms, non-profit organizations, government agencies, and individuals who seek to inform and/or persuade members of particular target market or audience about their products, services, organizations, or ideas". However, with the development of the internet and online world especially social media environment, a lot of changes happened in advertising, in its capabilities and functions which require a new paradigm.

The emergence of Web 2.0 is one of the biggest developments in the history of commerce. Social Media is an evolution based on the Web 2.0, this technical revolution had huge affecting in the traditional marketing approach, brought new era among marketers, an era where social media changed totally the relationships between marketers and stakeholders, Social Media is shifting the power from marketers to consumers, because regarding to the democracy allowed in social media all users as consumers can now be in contact with each other exchanging the information about products and services, which push marketers changing their old methods to

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## **Greenstone Digital Library Software: A Bird's Eye View**

**<sup>1</sup>Saravanakumar, R. R. and <sup>2</sup>Mani, M.**

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### **Abstract**

*Accessing library material is becoming more and more complicated because of voluminous electronic resources made available in many forms and formats in the present google era thanks to information technology and communication technology with network technology. The librarians need a well groomed software to help the users manage and use a massive data collection effectively and efficiently. One such software is Greenstone. It is open source software for developing, maintaining and distributing digital library collections. This paper gives an introduction to Greenstone Digital Library Software. The main feature of this software suite is that it effectively uses the Information Resource tool to meet the diverse needs of the user. Finding information in this software is made highly effective by the use of various techniques suitable for specific situations. Moreover the Graphical User Interface (GUI) is an added special advantage which helps the users of the software to better interact with the software system.*

**Keywords:** - GSDL, Digital Library, Open source software, installation, plug-ins

### **Introduction**

Because of globalization, wide expectation of the user, user autonomy, open minded communities, information technologies, open source softwares have emerged with many dimensions. Open Source software is unique as the users can study, change, improve and distribute the software freely. The user himself can act as a developer and adapt the software according to his needs. Greenstone is a software set for developing and distributing digital library collections on the internet or storage devices. It is multi-lingual software. It was produced by the New Zealand Digital Library Project at the University of Waikato. It was developed and distributed in cooperation with UNESCO and the Human Info NGO. This software tool set urges one to form a holistic approach in the use of information technology. It could be employed to create a massive collection of searchable documents. It has both command line tools and graphical interface.

### **Concept of Greenstone Open Source Software**

Open Source Software is typically created and maintained by developers crossing institutional and national boundaries, collaborating each other by using internet based communication tools and development tools. Products are typically a certain kind of 'free' often through a license that specifies the application and the source code. It is free to use, modify and redistribute as long as uses, modification and redistribution are similarly licensed.

The Software is issued under the terms of General Public License (GPL). Greenstone provides a way of building, maintaining and distributing digital library collections, opening up new possibilities for organizing information and making it available over the internet or CD-ROM.

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## Use of Digital Resources by Faculty Members of Selected Engineering Colleges in Tirunelveli District, Tamil Nadu: A Study

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### Abstract

Electronic and Digital information resources are becoming more and more important for the academic community. Digital resources are considered as important resources of teaching, research and training. Thus, digital resources in a library play a significant role in academic libraries as they are mostly tuned for the promotion of academic excellence and research and learning purpose. Digital libraries support electronic learning by providing information to the users related to their educational and research purposes. In view of all these there is a need for a study the awareness about the digital resources available in engineering college libraries. The study aims at use of digital resources among the faculty members of selected engineering colleges in Tirunelveli District, Tamil Nadu. Results show that 60% of the faculty members are familiar with the use of digital resources and majority of these members are using digital resources for teaching purpose. Study also reveals that majority of the faculty members are learning the required skills for the usage of digital resources through self-study.

**Keywords:** Digital Resources, E-Resources, Faculty Members, Engineering Colleges

### Introduction

A digital resource 'is any consistent publication in digital form that is being marketed' or 'any digital product that delivers a collections of data, be it text, numerical, graphical or time based, as a commercially available resources' and includes 'full text databases, electronic journals, image collections, multimedia products, collections of numerical data. A digital resource can be defined as any computer available information source containing facts, perspectives, or information on a topic of interest. A digital resource can also be defined as a selected and organized set of digital materials (objects) along with the metadata that describe them and at least one interface that gives access to them. Thus, we can say that a digital resource is anything which is published in computer readable format.

### Objectives

The purpose of this study was to explore the use and awareness of the digital resources by faculty members of selected Engineering Colleges in Tirunelveli district. The main objectives were:

- To assess the amount the knowledge and frequency in the use of the difference types of digital resources.
- To find out the purposes for using digital resources
- To discover problems faced by the faculties while accessing the digital resources



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**Dr. S. Srinivasaraghavan, Dr. P. Ganesan**  
**Dr. M. Sankar, Dr. M. Dorairajan**  
**Dr. R. Jayabal & Dr. A. Senthamil Selvi**



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## **RFID TECHNOLOGY IN LIBRARIES: A BIRD'S EYE VIEW**

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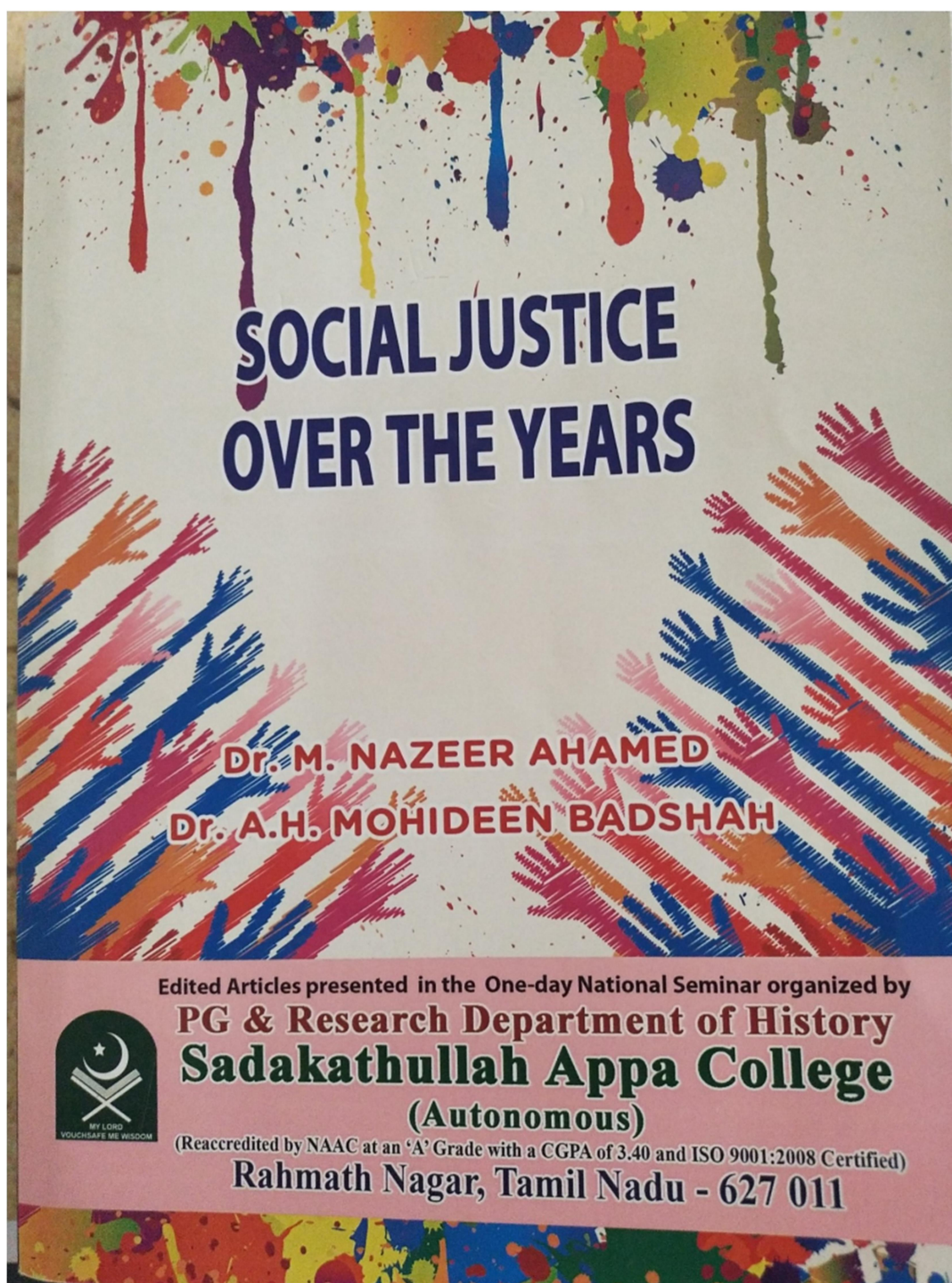
*Part-Time Ph.D Research Scholar (LIS), M.S.University, Tirunelveli,  
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### **Abstract**

RFID technology has come a long way both in terms of the multitude of applications and their potential uses. Despite the involvement of RFID in a variety of areas such as logistics, inventory control, aviation security, road, and rail rolling, the potential implementation and use of the technology in libraries is still in its budding stage, particularly in the case of countries with developing economies like India. As inferred from the fifth law of library science that 'library is a growing organism', librarians are always found interested in adopting latest technologies to provide better and efficient services to the patrons. Librarians have improved latest knowledge about through computer based Information Communication Technology for using the applications to the library. Nowadays, Libraries are great vital role to all the types of users. Using the new technologies have implemented in the libraries ie. Library Automation, RFID Technologies, Digital Library helps to the users for quick service, save the time and money. In twenty first century all the libraries move to the modernization from the traditional. In this paper exposes while using RFID technology through libraries for betterment services to the library users.

**Keywords:** RFID Technology in Libraries, Information and Communication Technology, RFID Tags.

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## 6

**E. VE. RA. PERIYAR IN THE STRUGGLE FOR SOCIAL JUSTICE****Dr. A. H. Mohideen Badsha,***Assistant Professor of History, Sadakathullah Appa College, Tirunelveli – 627 011.*

Justice is treating people in a just and honest way. People live in groups. That is called society. Every individual is a part of that society. Every member of the society must get benefits and rights due for him. That is called justice.

Providing equitable justice to all sections of the society, abolishing inequalities, establishing equality are called Social Justice. Discharging social responsibilities as per the dictates of the law with conscience and in a principled way is Social Justice. One of the important reasons for the ills of the society is denial of justice to the people and thereby putting them in hardships. In this aspect E. Ve. R. played a vital role in social justice.

E. Ve. Ramasamy Naicker is one of the important leaders of Tamil Nadu. He fought tirelessly for Social Justice. So he is fondly called as Periyar. He was born in Erode on 20<sup>th</sup> September 1879. He joined the Madras Presidency Association on 20<sup>th</sup> September 1917. Then he joined the Indian National Congress in 1919 on the request of Rajaji. He was the state President of Congress in Tamil Nadu. He participated in many reformatory struggles such as Non-cooperation Movement in 1920, courted arrests for demonstration against toddy shops in 1921 and Vaikom Satyagraha. He expressed his views openly and directly. He didn't mince his words. His views were considered unpleasant to some. Some were enraged by his daring frankness. But the words and views uttered by him were apparently authentic and truthful.

**His principles**

- 1) Equality and Self respect are the two eyes of men.
- 2) Man should not enslave a man.
- 3) We should make use of our reasoning.
- 4) Humanism and humane attitude should be safeguarded cutting across the boundaries of castes, race, religion, language and country.
- 5) Women should be educated.
- 6) Women should not be slaves to men.
- 7) Widow marriages should be supported.
- 8) Remember man and forget God.
- 9) Reforms should be made in Tamil language.
- 10) Opposing Hindi.

**Movement for Reservation and against Superstitions**

He fought daringly against false beliefs, superstitions, traditional customs of Indian culture. He converted Tamil Nadu into the bastion of reasoning. In 1919, he resigned from Municipal Chairman of Erode in protest against Jalianwala Bagh Massacre. He played a great role in the inclusion of reservation policies in the Indian Constitution. He worked hard for the social and educational advancement of downtrodden people. He started Self Respect



## AMY CARMICHAEL: PROVIDER OF SOCIAL JUSTICE FOR THE DANCING GIRLS

J. Jemi Merlin Rani

Assistant Professor of History,  
Sadakathullah Appa College (Autonomous), Tirunelveli

*"You can give without loving, but you cannot love without giving"*

These golden words of Amy Carmichael were practiced in her life as a provider of social justice for the dancing girls in the temples of south India. Two struggles were going on during the pre-independence period in India. The first was the struggle to free India from the clutches of British. It may be called the political struggle at the national level. The second was the struggle against the dominance of the Brahmins in all spheres of social life mainly administration, religion, education etc. As it was confined to Madras Presidency it may be called the social struggle at the regional level.

A galaxy of social luminaries like P. Thiyagaraja Chetty, T. M. Nair, Dr. Nadesan and Vaikom hero Periyar steer headed the struggle. They were able to achieve something substantial when the Justice Party which was founded by them was in power. Unfortunately the death of P. Thiyagaraja Chetty and T. M. Nair was a bolt from the blue. Lack of co-ordination made a dent in the struggle as most of the leaders were from the areas other than Tamil Nadu. Thereafter Periyar had been continuing this struggle. He was against the ill – treatment meted out to the women and their exploitation by the high cast people. His speeches had an electrifying impact on the women. As a result there emerged great women like Dr. Muthulakshmi Reddy, Moovalur Ramamirtham in Tamil Nadu who fought tooth and nail against the *Devadasi* system. Theirs was a great achievement. Meanwhile foreign women like Amy Carmichael were doing a lot to the socially discarded women and their children. Tamil Nadu's achievement in rendering justice and giving dignity to the socially downtrodden was great. However we cannot rest on past laurels. We have miles to go. This paper entitled Amy Carmichael: Provider of justice for dancing girls, is an attempt to highlight the role of a few achievers and their achievement.

Young girls and boys were dedicated to the temples at a tender age. In case of illness in the home parents sometimes vow to give one of their children to god. The *Devadasi* – servants of the God – who subsist by dancing and music, and the practice of the oldest profession in the world are partly recreated by admissions and even purchases from other classes<sup>1</sup>.

"Sacredness with allurements, religion with lust, art with sensuousness, have combined" wrote Santhosh Chatterjee in an old book, "*Devadasi*". "Thousands of young innocent children are condemned to a life of immorality and vice of suffering and disease and finally – of death resulting from infections and venereal diseases contracted in the pursuit of their profession as Hindu religious prostitutes", wrote Dr. M. Reddi.



M. Shahul Hameed,  
Assistant Professor of History, Sadakathullah Appa College.

#### **Introduction:**

In 20<sup>th</sup> century is vital role in Tamil nadu history. So, many drastic social changes happened in Tamil nadu. Especially in social justice. Indian society is an unique society the great Indian historian Ramachandra Guha point out that the Indian society face five important social conflicts that are caste, language, religion, class, gender. <sup>1</sup> A best measure of civilized nation is whether its women are treated with respect, dignity, and equality but in Tamil nadu. In beginning of the 20<sup>th</sup> century our women faced many social discrimination by our social custom. They didn't rights, education, and dignity. But after the emergence of justice party and Periyars self respect movement struggled for women cause. In this paper we will see about a multi faced personality Dr. Muthulakshmi Reddy was one of the outstanding and role model personality for contributing to social justice of her time.

#### **Early Life:**

Muthulakshmi Reddy was born on 30<sup>th</sup> July 1886 in pudhukottai, a princely town in Tamil nadu. Her parents were Narayanasamy and chandirammal. Her father worked a principal of Maha Rajas College. In her childhood, she was frequently suffered by diarrhea and severe cough so she looked weak, petty and pathetic. In those days women were going to school was a rarest one girls didn't allowed to school after the age of 8. In Tamil nadu women were married before the age of 12. But Dr. Reddy fought against these social customs with support of her father, she completed her school education. Her mother always insisted her marriage. But she neglected her mother's idea. After passing her matriculation examination she was admitted there as its first female student by the Maha Raja of Puthukottai himself, against severe resistance which included the college principal. <sup>2</sup>

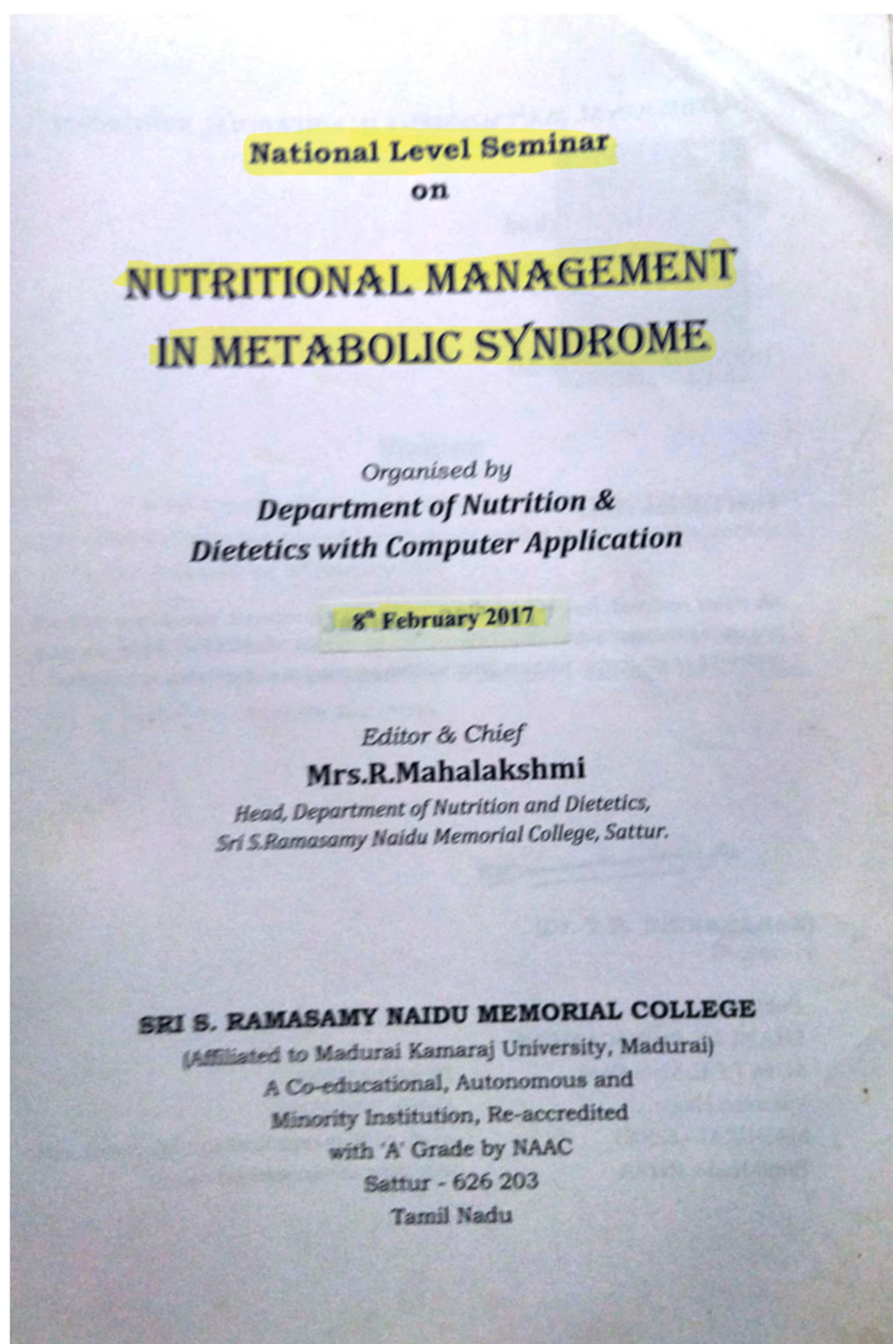
#### **The First women Doctor in India:**

In 1907 went to madras and joined the medical college. In 1912 she became a first women doctor in India. While her convocation occasion Dr. Colonel Jeopard who delivered presidential address, he said that Dr. Muthulakshmi Reddy achievement is a great milestone in medical college history. Reddy and her husband return to puthukottai. Both were rendered the whole hearted medical service to the people.

#### **Marriage life and Higher Studies:**

Muthulakshmi Reddy married by Dr. Sunda Reddy, before her marriage she got a important assure from her husband that "always respect me and equal and never cross my wishes. She got two male children. Finally she went to London for Higher studies.

41	S.M.Prasad	“An Under Utilized Fruit Bullock Heart with Versatile Health Benefits”.	978-81-933316-2- 0	<b>DEPARTMENT OF NUTRITION AND DIETETICS</b>
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## AN UNDERUTILIZED FRUIT BULLOCK'S HEART WITH VERSATILE HEALTH BENEFITS

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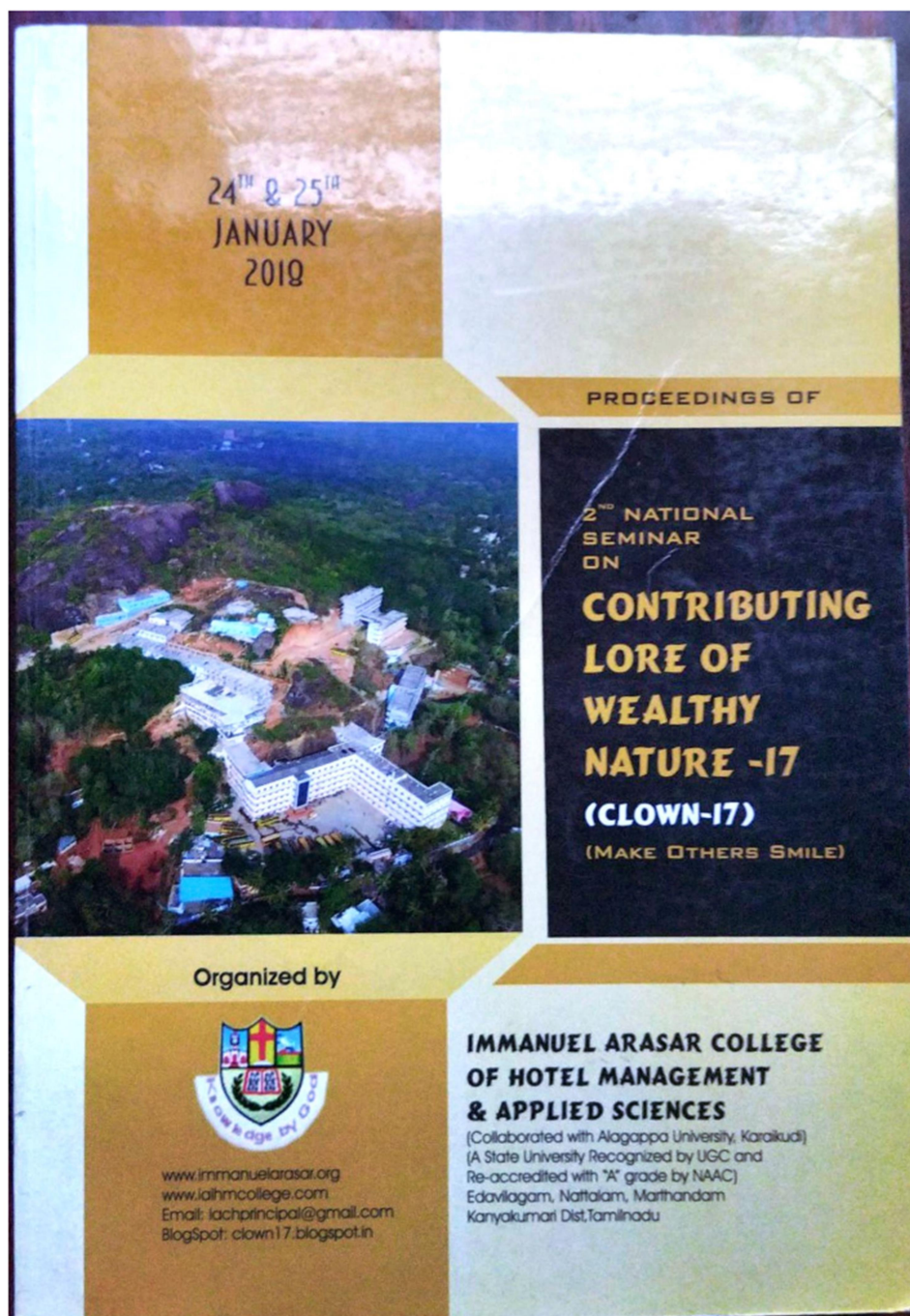
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### Abstract

Bullock Heart (Ramphal) was introduced in Asian and African countries many Centuries ago. In the 17<sup>th</sup> century, it was probably introduced in tropical Africa. In India, it was cultivated around Calcutta and is a very famous as well as an underutilized fruit in south India. Ramphal's main fruiting season occur from March through May, but some regions have the fruits are available year-round. However, it's still possible to find ramphal when in season. Ramphal's status as a wild fruit creates great variability in its exterior color and taste. Some ramphals possess a rich, sweet taste as described above, but others have an unpalatable coarse texture, insipid flavor, and at worst, an off-putting musty taste as it nears over ripening. Store ramphals at room temperature if they need time to soften. Once soft and ripe, the highly perishable fruits will keep only for a day or two. Storing the fruits in the refrigerator will only prolong its sweet flavor for another couple of days. This fruit have the nutrients such as vitamin C, carbohydrate, vitamin B6, iron, potassium, vitamin B2, Vitamin B, total dietary fiber, magnesium, protein and others. It is used to treat diarrhea, dysentery, inflammatory, vermifuge, astringent, tonic, analgesic, anthelmintic, wound healing, antipyretic and cytotoxic properties. Bullock's heart is used in Indian folk medicine as anti-inflammatory and vermifuge agents to heal the wounds, as antimalarial for treating diarrhea and dysentery. Now research is moving towards cancer and other metabolic disorders.

**Key Words:** Raphal, Anti-Inflammatory, Analgesic, Anthelmintic, Anti pyretic

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## PIGMENT IN PLANTS



### Introduction

Pigments give colour to plants and to a particular food material which they prepare. They are also called as biochromes. These are the substances which are produced by the living organisms and have a color which results from color absorbing techniques. These are a set of compounds that have an intense color.

### Types of pigments

There are two types of pigments

1. Organic pigments
2. Inorganic pigments

There are various pigments which give colour to plants which may include chlorophyll, Anthocyanins, Tannins, and Flavonoids

### CHLOROPHYLL



Chlorophyll is a green pigment present in plants. Plants use chlorophyll and light to make food.

### Properties of Chlorophyll

Over cooking of chlorophyll may tend to destroy its chlorophyll content. Chlorophyll absorbs red light more strongly. Chlorophyll b absorbs violet light more strongly. Chlorophyll sets deteriorate with storage

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USES OF NATURAL FOOD (ANTIOXIDANTS) IN JAPANESE  
ENCEPHALITIS DISEASES

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**Abstract**

Japanese encephalitis (JE) is the leading cause of viral encephalitis in Asia, with up to 70,000 cases reported annually Japanese encephalitis (JE) is an infection of the brain caused by the Japanese encephalitis virus (JEV). While most infections result in little or no symptoms Symptoms in humans include: inflammation of brain, meningitis, meningo encephalitis, viral encephalitis, stiff neck, Encephalitis dos & donts, Encephalitis nutrition plan, foods to avoid for Encephalitis. JEV is generally spread by mosquitoes, specifically those of the *Culex* type.<sup>[2]</sup> Pigs and wild birds serve as a reservoir for the virus. The disease mostly occurs outside of cities.<sup>[2]</sup> Diagnosis is based on blood or cerebrospinal fluid testing. Eat antioxidant foods, including fruits (such as blueberries, cherries, and tomatoes), and vegetables

**Key Words :** Antioxidants, Vitamin A,

**Introduction**

Japanese Encephalitis is a viral infection of the human brain caused by the Japanese encephalitis (JE) virus. The risk of Japanese encephalitis to travelers depends on the season of travel, the areas visited, the duration of travel, outdoor activities planned and measures used to avoid mosquito bites. The Japanese encephalitis virus is spread by particular types of mosquitoes. Pigs are an important host for the virus, where it can multiply to very high levels in their blood. Mosquitoes that feed on infected pigs can become infected with the virus and then transmit it to humans.

**Symptoms**

The Japanese encephalitis virus (JEV) has an incubation period of 2 to 15 days and the vast majority of infections are asymptomatic: only 1 in 250 infections develop into encephalitis, occasional inflammation of the brain occurs. In these cases symptoms may



  
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