

Role of Internet of Things (IoT)

**In Promoting Sustainable
Economic Growth in India 2047**

Editors

Dr.M.Mehar Banu

Dr.D.Manimozhi

R.Divya Bharathi

G.Kaviya

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Editors : Dr.M.Mehar Banu, Dr.D.Manimozhi, R.Divya Bharathi, G.Kaviya

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Contents

Theme - I

Role of Internet of Things in Primary Sector

Chapter		Page No
1	IoT for Evergreen Revolution in Indian Agriculture <i>Dr. M. Nagesh Kumari</i>	1 - 4
2	Development of Internet of Things (IoT) for Smart Agriculture <i>T. Uma Maheswari & Dr. D. Manimozhi</i>	5 - 16
3	A Study on the Role of Internet of Things (IoT) in promoting Primary Sector <i>A. Rajeswari & Dr. S. Karthikeyan</i>	16 - 29
4	Smart of Internet of Things (IoT) used to the Improvement of High Yielding of Groundnut Production in Namakkal District <i>Dr.K.Saravanan & Mrs.K.V.Jayashree</i>	29 - 37
5	Internet Of Things In Solving Key Challenges In Agriculture <i>Dr. G.Yamuna & Mrs. M.Preethi</i>	38 - 45

Theme - II

Contribution of Internet of Things in Secondary Sector and IPR

6	Impact of IoT in Industries <i>P. Anu Shruthi, Dr. B. Indirapriyadharshini & Dr. R. Ramya</i>	45 - 51
7	Role of Internet of Things (IoT) in Smart Manufacturing <i>R. Divyabharathi & Dr. M. Mehar Banu</i>	52 - 61

Theme - III

Importance of Internet of Things in Tertiary Sector

- 8 A Study on Impact of Online Classes and E-Learning
in School Education
Dr. T. Sasikala & Dr. R. Thiruppathi 61 - 79
- 9 Quaternary Sector and the Web Economy
Dr. S. Umadevi, Dr. K. Pushpavalli, & Dr. P. Subasree 76 - 88
- 10 Role of the Internet of Things in Education:
Opportunities and Challenges
Dr. M. Radhika 89 - 98
- 11 Role of Internet of Things in Higher Education
G. Kaviya & Dr. M. Mehar Banu 98 - 105
- 12 The Role of Internet of Things in the Development
of Education Sector: An Empirical Analysis
Dr. S. Karthikeyan & Dr. P. Mohammed Hither Ali 106 - 124
- 13 An Empirical Analysis of the Great Role
of the Internet of Things on Business
Dr. S. Meenakshi 125 - 138
- 14 Students' Perception towards Kahoot Application
Dr. P. Jayanthi & Dr. S. Poongodi 139 - 147
- 15 Significance of Internet of Things in Educational
Institutions
Dr. T. Kalaivani 148 - 160
- 16 The Role of HRM and Problems faced by Unorganized
Women Workers of Textile Units in Tirupur District
Dr. S. Thangam 161 - 172

Theme - IV

Role of Internet of Things in India's Economic Growth

- 17 IoT: New Direction for India's Economic Growth
Mr. A. Ajay & Dr. M. Chithirai Selvan 173 - 184

3. Adithya Vadapalli¹, Swapna Peravali² & Venkata Rao Dadi³
 IPG Scholar, Department of Instrument Technology, Andhra
 University, Andhra Pradesh, India. 2 Assistant Professor,
 Department of Instrument Technology, Andhra University,
 Andhra Pradesh, India. 3 PHD Scholars, Department of
 Instrument Technology, Andhra University, Andhra Pradesh,
 India.

3. A STUDY ON THE ROLE OF INTERNET OF THINGS (IOT) IN PROMOTING PRIMARY SECTOR

A. RAJESWARI & DR. S. KARTHIKEYAN

Introduction

Due to enormous growth in technologies, farming has become more popular and significant. Different tools and techniques are available for development of farming. According to the UN Food and Agriculture Organization, in order to feed the growing population of the Earth, the world will need to produce 70% more food in 2050 than it did in 2006. To meet this demand, farmers and agricultural companies are turning to the Internet of Things for analytics and greater production capabilities. Internet of Things (IoT) can play big role in increasing productivity, obtaining huge global market, idea about

recent trends of crops. IoT is a network of interconnected devices which can transfer data efficiently without human involvement. Today many agricultural industries turned to adopt IoT technology for smart farming to enhance efficiency, productivity, global market and other features such as minimum human intervention, time and cost etc. The advancement in the technology ensures that the sensors are getting smaller, sophisticated and more economic. The networks are also easily accessible globally so that smart farming can be achieved with full pledge. Focusing on encouraging innovation in agriculture, smart farming is the answer to the problems that this industry is currently facing. All this can be done using smart phones and IoT devices. Farmer can get any required data or information as well can monitor his agricultural sector.

Internet of Things (IOT)

The Internet of things (IoT) is the most efficient and important techniques for development of solutions to the problems. IoT evolve from different building blocks which includes lots of sensors, software's, network components and other electronic devices. Also it makes data more effective. IoT allows exchanging the data over the network without human involvement. In Internet of things, we can represent things with natural way just like normal human being, like sensor, like car driver etc. This thing is assigned an ip address so that it can transfer data over a network. As per the report generated by Garner, at the end of 2016 there will be 30% rise in count of connected devices as compared to 2015. He further says that, this count will increase to 26 billion by 2020. The IoT technology is more efficient due to following reasons:

- Global Connectivity through any devices.