WIRELESS POWER THEFT DETECTION AND INTIMATION SYSTEM BY USING GSM

A. A. Suryawanshi

Professor, Dept. of EE, SITCOE, Yadrav, India

Varsha Shinde, Priyanka Pol, Priyanka Chavan, Shraddha Bhui, and Supriya Omase

Department of EE, SITCOE, Yadrav, Tal: Shirol Dist. Kolhapur, India

ABSTRACT

Power Theft is a non -ignorable crime that is highly prevented, and at the same time it directly affected the economy of a nation. Electricity theft is a social evil, so it has to be completely eliminated. Power consumption and losses have to be closely monitored so that the generated power is utilized in a most efficient manner.

Electrical power theft detection system is used to detect an unauthorized tapping on transmission lines. Existing system is not able to identify the exact location of tapping. This system actually finds out on which electrical line there is a tapping. This is a real time system, Wireless data transmission and receiving technique is used. This will protect distribution network from power theft done by tapping, meter tampering etc.

Key words: Electrical Power Theft, Wireless Data Transmission and Receiving.

Cite this Article: A. A. Suryawanshi, Varsha Shinde, Priyanka Pol, Priyanka Chavan, Shraddha Bhui, and Supriya Omase, Wireless Power Theft Detection and Intimation System by Using GSM. *International Journal of Electrical Engineering & Technology*, 7(2), 2016, pp. 29–36.

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1. INTRODUCTION

Indian power system faces loss of about 30% of its total production of electricity. This loss is very high which takes place because of transmission losses, electricity theft, etc. Major portion of its losses are due to power theft. Power theft is done by taking tapping or hooking from transmission line or by from the meters.

Power Theft is a non ignorable crime and at the same time it directly affected the economy of a nation. Electricity theft a social evil, so it has to be completely

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 - The Rise of Digital Reading Wireless Power Theft Detection International Journal Of
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Wireless Power Theft Detection International Journal Of
 - Exploring Different Genres
 - o Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Wireless Power Theft Detection International Journal Of
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Wireless Power Theft Detection International Journal Of
 - Personalized Recommendations
 - Wireless Power Theft Detection International Journal Of User Reviews and Ratings
 - Wireless Power Theft Detection International Journal Of and Bestseller Lists

- 5. Accessing Wireless Power Theft Detection International Journal Of Free and Paid eBooks
 - Wireless Power Theft Detection International Journal Of Public Domain eBooks
 - Wireless Power Theft Detection International Journal Of eBook Subscription Services
 - Wireless Power Theft Detection International Journal Of Budget-Friendly Options
- 6. Navigating Wireless Power Theft Detection International Journal Of eBook Formats
 - o ePub, PDF, MOBI, and More
 - Wireless Power Theft Detection International Journal Of Compatibility with Devices
 - Wireless Power Theft Detection International Journal Of Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - o Adjustable Fonts and Text Sizes of Wireless Power Theft Detection International Journal Of
 - Highlighting and Note-Taking Wireless Power Theft Detection International Journal Of
 - Interactive Elements Wireless Power Theft Detection International Journal Of
- 8. Staying Engaged with Wireless Power Theft Detection International Journal Of
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - \circ Following Authors and Publishers Wireless Power Theft Detection International Journal Of
- 9. Balancing eBooks and Physical Books Wireless Power Theft Detection International Journal Of
 - Benefits of a Digital Library
 - \circ Creating a Diverse Reading Collection Wireless Power Theft Detection International Journal Of
- 10. Overcoming Reading Challenges
 - o Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Wireless Power Theft Detection International Journal Of
 - Setting Reading Goals Wireless Power Theft Detection International Journal Of
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Wireless Power Theft Detection International Journal Of
 - Fact-Checking eBook Content of Wireless Power Theft Detection International Journal Of
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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