

#### **A DISSERTATION**

Entitled

# "STUDY OF CONDUCTIVITY OF FERROMEGNETIC DOMAIN USING BLOTH WALL THEORY"

Submitted in partial fulfillment of the

Requirement for the degree of

**Master of Science in Physics** 

Session: 2019-2020

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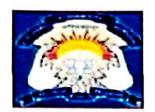
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GANDHI GOVT. P.G. COLLEGE AMBIKAPUR SURGULA C.C.



#### DEPARTMENT OF PHYSICS

## "STUDY OF RENEWABLE ENERGY RESOURCE FOR RURAL DEVELOPMENT OF SARGUJA DISTRICT IN **CHHATTISGARH**"

#### DISSERTATION

Submitted in partial fulfillment of the Requirement for the degree of

Master of Science in **Physics** 

Session: 2019-2020

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#### STUDY OF MICROWAVE IN REMOTE SENSING

## **DISSERTATION**

Submitted in partial fulfillment of the

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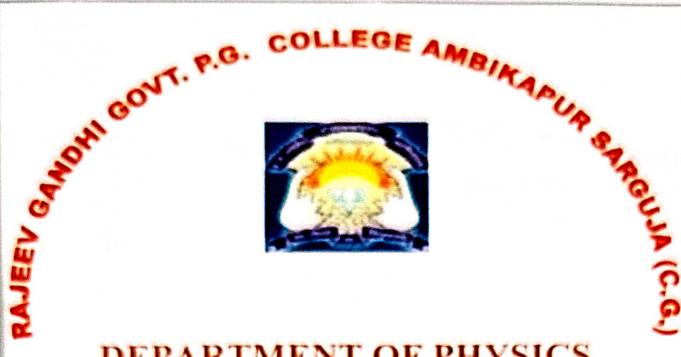
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# STUDY OF LIGHT AMPLIFICATION CHARACTERISTIC OF LASER OSCILLATION IN A OPTICAL CAVITY

#### DISSERTATION

Submitted in partial fulfillment of the

Requirement for the degree of

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# CONTENT

#### **CHAPTER-1 INTRODUCTION**

- 1.1 Laser and its history
- 1.2 Characteristic of laser
- 1.3 Principle of laser action
- 1.4 Types of laser
- 1.5 Properties of laser
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- 1.7 Optical cavity
- 1.8 Types of optical cavity
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- 1.10Application of optical cavity

# **CHAPTER-2 REVIEW OF LITERATURE**

# **CHAPTER-3 METHODS AND MATERIAL**

- 3.1 Optical feedback and laser oscillation
- 3.2 Threshold condition for laser oscillation

**CHAPTER-4 RESULTS AND DISCUSSIONS** 

**CHAPTER-5 CONCLUSIONS** 

**CHAPTER-6 REFERENCES** 

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# "STUDY OF MICROWAVE TOWER RADIATION HAZARDS AND ITS EFFECT ON HUMAN LIFE"



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#### Chapter-1: Introduction

- 1.1 Electromagnetic radiation
- 1.2 Electromagnetic Spectrum
- 1.3 Microwave Tower
- 1.4 Microwave Cellular Mobile Phone
- 1.5 Microwave Networking
- 1.6 Microwave Hazardness
- 1.7 Characteristic and Structure of Human Life

#### Chapter-2:- Outline Survey Microwave Tower in Surguja district

- 2.0 Introduction
- 2.1 Geographical situation of surguja district
- 2.2 Discription of Microwave Tower in different Block and its Radiation to villages

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#### Radiation to Human Cell

- 3.0 Introduction
- 3.1 Type of Hazardness
- 3.2 Length, Hight and Catchment Area of Tower
- 3.3 Calculation of SAR (Specific Absorption Rule) by Human Biological tissues such as Blood,Boones,Muscles etc
- 3.4 Result Analysis

#### **Chapter-4:-** Conclusion

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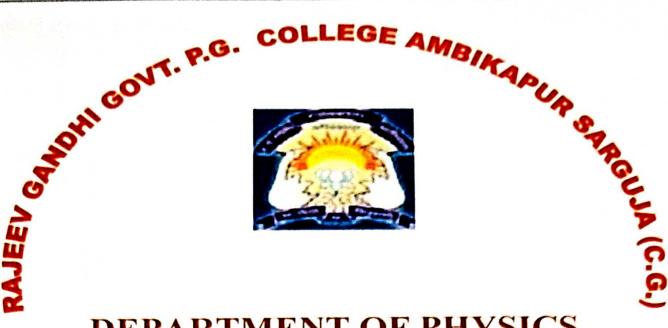
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# STUDY OF LIGHT AMPLIFICATION CHARACTERISTIC OF LASER OSCILLATION IN A **OPTICAL CAVITY**

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DEPARTMENT OF PHYSICS

# STUDY OF MICROWAVE IN REMOTE SENSING DISSERTATION

Submitted in partial fulfillment of the Requirement for the degree of **Master of Science in Physics** 

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#### A DISSERTATION

entitled

#### "PHYSIO-CHEMICAL CHARACTERIZATION OF BIOFUEL PLANT -KUSUM OIL (SCHLEICHERA OLEOSA)."

Submitted in partial fulfilment of the

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- 2.2 Discription of Microwave Tower in different Block and its Radiation to villages

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- 3.4 Result Analysis

Chapter-4:- Conclusion

Chapter-5:- References

## "STUDY OF MICROWAVE TOWER RADIATION HAZARDS AND ITS EFFECT ON HUMAN LIFE"



## DEPARTMENT OF PHYSICS

#### DISSERTATION

Submitted in partial of the Requirement for the degree of

**Master of Science** 

In

**Physics** 

Session- 2019-2020

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#### Chapter-2:- Outline Survey Microwave Tower in Surguja district

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## DEPARTMENT OF PHYSICS

#### A DISSERTATION

entitled

"PHYSIO-CHEMICAL CHARACTERIZATION OF BIOFUEL PLANT -KUSUM OIL (SCHLEICHERA OLEOSA)."

Submitted in partial fulfilment of the

Requirement for the degree of

Master of science in Physics

Session: 2019-2020

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Date: - 01-10-2020

Place: - AMBIKAPUR.

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# "STUDY OF RENEWABLE ENERGY RESOURCE FOR RURAL DEVELOPMENT OF SARGUJA DISTRICT IN CHHATTISGARH"

#### DISSERTATION

Submitted in partial fulfillment of the Requirement for the degree of

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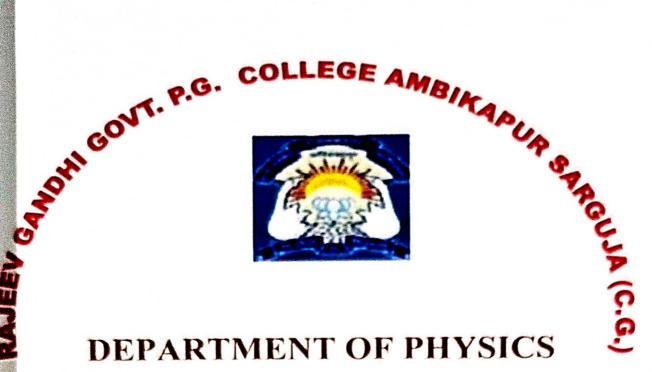
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# STUDY OF MICROWAVE IN REMOTE SENSING

## DISSERTATION

Submitted in partial fulfillment of the

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# DEPARTMENT OF PHYSICS

STUDY OF LIGHT AMPLIFICATION CHARACTERISTIC OF LASER OSCILLATION IN A **OPTICAL CAVITY** 

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