

**ADISSERTATIONREPORT ON**

**“INDEX NUMBER”**

**SUBMITTED BY:**

**SOMNATH SAHOO**

**UNDER THE GUIDANCE OF:**

**Mr. Prasant Kumar Sethy (HOD)**

**Mr. Madan Mohan Behera**

**Mrs. Swagatika Dash**

**Mr. Samir Anjan Tapno**

**Miss. Vijeta Naik**

**(HEAD OF THE DEPARTMENT STATISTICS)**

**FOR THE DEGREE OF:**

**Bachelor of Science in Statistics**



**GOVERNMENT AUTONOMOUS COLLEGE,  
ROURKELA**





ସରକାରୀ ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟ, ରାଉରକେଲା  
GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA  
Sundargarh, Raghunathpali, Rourkela, Odisha

## PROJECT REPORT

ON

**"An Analysis of Road Traffic Injuries in  
India from 2013 to 2016"**

A project submitted to

**GOVT. AUTONOMOUS COLLEGE, ROURKELA** in partial fulfillment for the  
Degree of Bachelor of Science in Statistics

**Submitted By:**

**Aaniket Patra**

**Roll No – 19STS002**

**Regn. No – 30169/19**

**+3 Science 3<sup>rd</sup> Year**

**Guided By:**

**Prashant Kumar Sethy**

**H.O.D**

**Department of statistics**





ସରକାରୀ ସ୍ୱୟଂଶାସିତ ମହାବିଦ୍ୟାଳୟ, ରାଉରକେଲା  
GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA  
Sundargarh, Raghunathpali, Rourkela, Odisha

**“INDEX NUMBER”**

**SUBMITTED BY:**

**DEEPAK ORAM**

**Roll No: - 19STS004**

**(+3 Final Year)**

**UNDER THE GUIDANCE OF:**

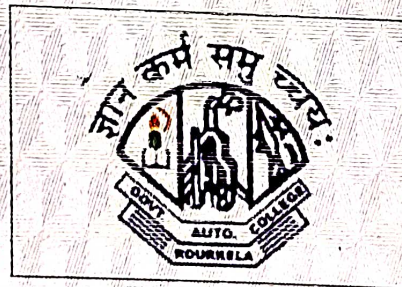
**Mr. Prasant Kumar Sethy (HOD)**

**Mr. Madan Mohan Behera**

**Mrs. Swagatika Dash**

**Samir Anjan Tapno**

**Miss. Vijeta Naik**



**GOVERNMENT AUTONOMOUS COLLEGE,  
ROURKELA**





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GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA  
Sundargarh, Raghunathpali, Rourkela, Odisha

# A DISSERTATION REPORT ON

## “VITALSTATISTICS”

SUBMITTEDBY:

**SATYAM KUMAR PRADHAN**

UNDER THE GUIDANCE OF:

**Mr.Prasant Kumar Sethy**

**(HEAD OF THE DEPARTMENT STATISTICS)**

**Mr.Madan Mohan Behera**

**Sameer Anjan Topno**

**Mrs. Swagatika Das**

**Vijeta Naik**

FOR THE DEGREE OF:

**Bachelor of Science in Statistics**



**GOVERNMENTAUTONOMOUSCOLLEGE,  
ROURKELA**



**GOVERNMENT AUTONOMOUS  
COLLEGE ,  
ROURKELA**



**A DISSERTATION REPORT  
SUBMITTED BY  
RIYA SINGH  
19STS007  
ON THE TOPIC  
APPLICATION OF INDEX NUMBER  
UNDER THE GUIDANCE OF  
MR. PRASHANT KUMAR SETHY  
MISS VIJETA NAIK**





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GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA  
Sundargarh, Raghunathpali, Rourkela, Odisha

**PROJECT REPORT**  
**ON**  
**"REDUCING CHILD MORTALITY IN**  
**INDIA"**

A project submitted to  
**GOVT.AUTONOMOUS COLLEGE,ROURKELA** in partial fulfillment for the  
Degree of Bachelor of Science in Statistics

**Submitted By:**

**SUBHANKAR SWAIN**

**Roll No – 19STS008**

**Regn. No – 30202/19**

**+3 Science 3<sup>rd</sup> Year**

**Guided By:**

**PRASHANT KUMAR SETHY**

**H.O.D**

**Department of statistics**





A project report On  
**Trend analysis of annual production of sugar**  
In India from 2001 to 2008



Submitted By

**BARSA RANI BEHERA**

**19-STS-009**

Under the guidance and supervision of

*Madan Mohan Behera*

Department of Statistics

**GOVERNMENT AUTONOMOUS COLLEGE,  
ROURKELA, ODISHA**



**GOVERNMENT AUTONOMOUS COLLEGE,  
ROURKELA**



**A PROJECT ON  
AN ANALYSIS ON TESTING OF HYPOTHESIS**

*Submitted in partial fulfilment of the requirement for the award of  
degree*

*of*

**BACHELOR OF SCIENCE**

*IN*

**STATISTICS HONOURS**

**SESSION (2019-2022)**

**GUIDED BY :-**

H.O.D (Prashant Kumar Sethi)  
Madan Mohan Behera  
Swagatika Das  
Vijeta Naik  
Sameer Ranjan Topno

**SUBMITTED BY:-**

Ashis Ranjan Nayak  
ROLL NO- 19-STS-010  
+3 6<sup>TH</sup> SEMISTER





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GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA  
Sundargarh, Raghunathpali, Rourkela, Odisha

## **“TIME SERIES”**

**SUBMITTED BY:**  
**CHUDANTAK MAHANANDIA**

**Roll No: - 19STS011**  
**(+3 Final Year)**

**UNDER THE GUIDANCE OF:**

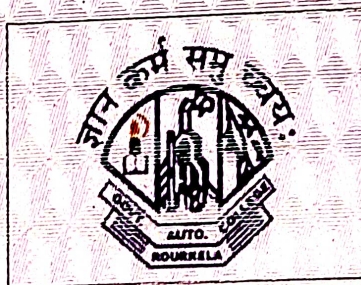
**Mr. Prasant Kumar Sethy (HOD)**

**Mr. Madan Mohan Behera**

**Mrs. Swagatika Dash**

**Samir Anjan Tapno**

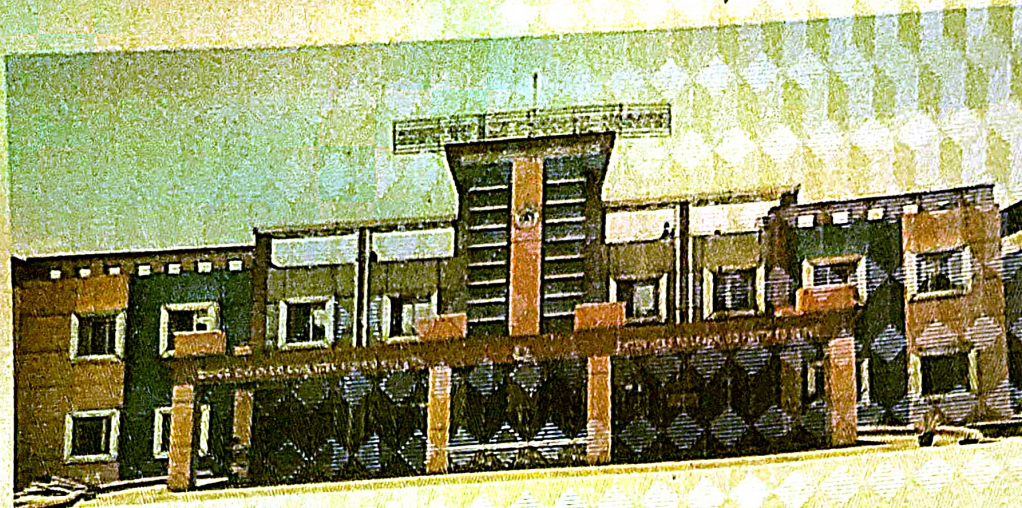
**Miss. Vijeta Naik**



**GOVERNMENT AUTONOMOUS COLLEGE,**  
**ROURKELA**



# Government Autonomous College, Rourkela



## A PROJECT ON A STATISTICAL ANALYSIS OF THE POPULATION OF ENGLAND ON SMOKING CONSUMPTION

Submitted in partial fulfilment of the requirement for the award of the degree

*of*

### BACHELOR OF SCIENCE

*IN*

### STATISTICS HONOURS

*SESSION(2019-2022)*

#### GUIDED BY:-

H.O.D. (Prashant Kumar Sethi)  
Madan Mohan Behera  
Sameer Anjan Topno  
Vijeta Naik  
Swagatika Das

#### SUBMITTED BY:-

Suchitra Purohit  
Roll No-19-STS-012  
+3 6<sup>th</sup> Semester



# GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA



**A PROJECT REPORT**

**ON**

**“GENDER EQUALITY IN EDUCATION: EVIDENCES FROM AN  
EMPERICAL RESEARCH IN ODISHA”**

*Submitted in partial fulfilment of the requirement for the award of degree  
of*

**BACHELOR OF SCIENCE**

**IN**

**STATISTICS HONOURS**

**SESSION (2019-2022)**

**GUIDED BY:-**

(H.O.D) PRASANT KUMAR SETHI  
DEPT. OF STATISTICS

**SUBMITTED BY**

CHINMAYEE BEHERA  
ROLL NO:- 19-ST5-013  
+3 6th SEMESTER







**ADISSERTATIONREPOR ON**

**“MEASUREMENT OF MORTALITY  
AND FERTILITY”**

**SUBMITTED BY:**

**SUBRAT KUMAR SUNANI**

**UNDER THE GUIDANCE OF:**

**Mr Prastan kumar sethy**

**(HEAD OF THE DEPARTMENT STATISTICS)**

**Mr Madan Mohan Behera**

**Mrs Swagatika Dash**

**Mr Sameer Anjan Tapno**

**Miss Vijeta Naik**

**FOR THE DEGREE OF:**

**Bachelor of Science in Statistics**



**GOVERNMENT AUTONOMOUS COLLEGE,  
ROURKELA**



# GOVT. AUTONOMOUS COLLEGE ROURKELA



**SUBJECT:-MEASUREMENT OF SEASONAL VARIATION DUE TO RATIO TO TREND**

**METHOD:**

**TOPIC:-PROJECT WORK ON PRODUCTION OF IRON ORE FROM MINES OF ODISHA.**

**UNDER THE GUIDANCE BY**

**Mr. PRASANT KUMAR SETHY (H.O.D)**

**SUBMITTED BY**

**NAME: LIPSITA PRADHAN**

**ROLL NO: 19-STS-016**

**+3 6<sup>TH</sup> SEMESTERS (SCIENCE)**





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GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA  
Sundargarh, Raghunathpali, Rourkela, Odisha

## “RANDOM SMPLING ”

**SUBMITTED BY:**  
**KUMAR RAJAN PATRA**

**Roll No: - 19STS017**  
**(+3 Final Year)**

**UNDER THE GUIDANCE OF:**

**Mr.Prasant Kumar Sethy(HOD)**

**Mr.Madan Mohan Behera**

**Mrs.Swagatika Dash**

**Samir Anjan Tapno**

**Miss.Vijeta Naik**



**GOVERNMENTAUTONOMOUS COLLEGE,**  
**ROURKELA**





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GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA  
Sundargarh, Raghunathpali, Rourkela, Odisha

# “TRANSPORTATION PROBLEM”

SUBMITTED BY:  
**ASHUTOSH NAIK**  
Roll No: - 19STS020  
(+3 Final Year)

## UNDER THE GUIDANCE OF:

Mr. Prasant Kumar Sethy (HOD)  
Mr. Madan Mohan Behera  
Mrs. Swagatika Dash  
Samir Anjan Tapno  
Miss. Vijeta Naik



GOVERNMENT AUTONOMOUS COLLEGE,  
ROURKELA





**GOVERNMENT AUTONOMOUS COLLEGE,**  
Rourkela, Panposh

**TOPIC :**  
**APPLICATION OF INDEX NUMBER**

*A dissertation submitted to Department of Statistics for the partial fulfillment of the Degree in Bachelor of Science*

**Submitted by :**  
**Rajnikanta Gartia**  
+3 3<sup>rd</sup> Year, 6<sup>th</sup> Semester  
Roll No. : 19-STS-021

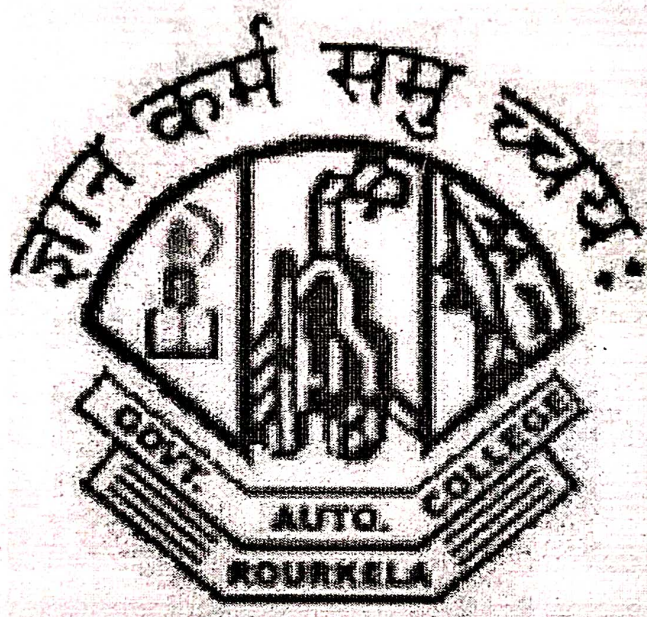
**Guided by :**  
**Mr. P. K. Sethy (H.O.D.)**  
**Miss Swagatika Das**  
Department of Statistics  
Govt. Autonomous College Rourkela

(2019-2022)

**DEPARTMENT OF STATISTICS**  
**GOVERNMENT AUTONOMOUS COLLEGE,**  
Rourkela, Panposh



**GOVERNMENT AUTONOMOUS  
COLLEGE ,  
ROURKELA**



**A DISSERTATION REPORT  
SUBMITTED BY  
PUJA RAJBHAR  
19STS022  
ON THE TOPIC  
APPLICATION OF INDEX NUMBER  
UNDER THE GUIDANCE OF  
MR. PRASHANT KUMAR SETHY  
MISS VIJETA NAIK**





**GOVERNMENT AUTONOMOUS COLLEGE,**  
Rourkela, Panposh

**TOPIC**

**AN EMPIRICAL STUDY ON THE DISEASE AT  
WHICH PEOPLE GETS SEXUAL TRANSMITTED  
DISEASE**

*A dissertation submitted to Department of Statistics for the partial  
fulfillment of the Degree in Bachelor of Science*

**Submitted by :**

Ritesh Jojo  
+3<sup>rd</sup> Year, 6<sup>th</sup> Semester Roll  
No. : 19-ST5-023

**Guided by :**

Mr. P. K. Sethy (H.O.D.)  
Mr. Madan Behera  
Department of Statistics  
Govt. Autonomous College Rourkela

**(2019-2022)**

**DEPARTMENT OF STATISTICS  
GOVERNMENT AUTONOMOUS COLLEGE,  
Rourkela, Panposh**





# GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA



PROJECT REPORT  
ON

## Population Composition In India From 1901-2001

Under the guidance of

HOD –Dr. Prasanta Kumar Sethy

Lect. Sameer Topno

Lect. Swagatika Das

Lect. Vijeta Naik

Lect. Madan Mohan Behera

Prepared by

Priyanka Mahalik

+3 6<sup>th</sup> Semester

Roll NO – 19STS 026

Session 2019-22



# GOVERNMENT AUTONOMOUS COLLEGE, ROURKELA



## A PROJECT REPORT ON

**“ANALYSIS OF INCREASE IN POPULATION IN ROURKELA FROM  
THE YEAR 2015-2019”**

*Submitted in partial fulfilment of the requirement for the award of degree  
of*

**BACHELOR OF SCIENCE**

IN

**SATISTICS HONOURS**

SESSION (2019-2022)

### **GUIDED BY:-**

(H.O.D) PRASANT KUMAR SETHI  
DEPT. OF STATISTICS

### **SUBMITTED BY:-**

BINOD KUMAR NAYAK  
ROLL NO.:- 19-STS-027  
+3 6th SEMESTER



**GOVERNMENT AUTONOMOUS COLLEGE,  
ROURKELA**



**A PROJECT REPORT  
ON  
"Health status of Tribal Women of sundargarh, Odisha:  
A Statistical study"**

Submitted in partial fulfillment of the requirement for the award of  
degree  
of  
BACHELOR OF SCIENCE  
IN  
STATISTICS HONOURS  
SESSION (2019-2022)

**GUIDED BY:-  
(H.O.D) PRASANT KUMAR SETHI  
DEPT. OF STATISTICS**

**SUBMITTED BY:-  
Pratikshya sundar Ray  
Roll no.:-19STS028**



# GOVERNMENT AUTONOMOUS COLLEGE, BOURKELA



## A PROJECT REPORT ON STATICAL QUALITY CONTROL

*Submitted in partial fulfilment of requirement  
for the award of degree of Bachelor in Science  
in Statistics Honors.*

**Session-2019-22**

**Guided By:**

**Prashant Kumar Sethi (H.O.D)**

**Madan Mohan Behera**

**Swagatika Das**

**Sameer Anjan Topno**

**Vijeta Nayak**

**Submitted By:**

**Smarak Ku Mantry**

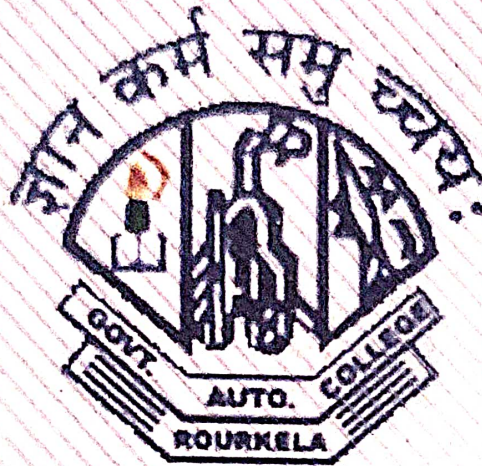
**Roll No : 19STS029**

**+3 6<sup>th</sup> Semester**



*A project report on*

# CRUDE BIRTH RATE (CBR)



Submitted by

**TANMAYA PRADHAN**  
**19-STS-030**

*Under the guidance and supervision of*

*Mr. Madan Behera*

Department of Statistics

**GOVERNMENT AUTONOMOUS COLLEGE**  
**ROURKELA, ODISHA**



**GOVT.AUTONOMOUS COLLEGE, ROURKELA**



SESSION: 2019 -22

**DEPARTMENT OF STATISTICS**

A PROJECT REPORT ON

**“REGRESSION ANALYSIS HEIGHT & WEIGHT”**

A Dissertation Submitted To Govt. Autonomous College, Rourkela For The  
Partial Fulfillment of Bachelor's Degree in Statistics.

Submitted by,

ABHIRAJ KUMAR

UG SEMESTER-VI

ROLL NO-19STS-031

Under the Guidance of

Mr. P. K. Sethy (H.O.D)

Miss. VIJETA NAYAK

Dept .Of Statistics, GACR





**GOVERNMENT AUTONOMOUS COLLEGE,**  
Rourkela, Panposh

**TOPIC :**  
 **$\bar{X}$ - CHART AND R-CHART**

*A dissertation submitted to Department of Statistics for the partial fulfillment of the Degree in Bachelor of Science*

**Submitted by :**  
**Atish Tete**  
+3 3<sup>rd</sup> Year, 6<sup>th</sup> Semester  
Roll No. : 19-STS-032

**Guided by :**  
**Mr. P. K. Sethy (H.O.D.)**  
**Miss Swagatika Das**  
Department of Statistics  
Govt. Autonomous College Rourkela

(2019-2022)

**DEPARTMENT OF STATISTICS**  
**GOVERNMENT AUTONOMOUS COLLEGE,**  
Rourkela, Panposh



**GOVT. AUTONOMOUS COLLEGE , ROURKELA**



**SESSION :2019 -22**

**DEPARTMENT OF STATISTICS**

**A PROJECT REPORT ON**

**"MORTALITY AND LIFE TABLE"**

*A Dissertation Submitted To Govt. Autonomous College , Rourkela  
For The*

*Partial Fulfillment Of Bachelor's Degree In Statistics.*

*submitted by,*

**SACHIN GOSAIN**

**UG SEMESTER-VI**

**ROLL NO-19STS033**

*Under the Guidance of*

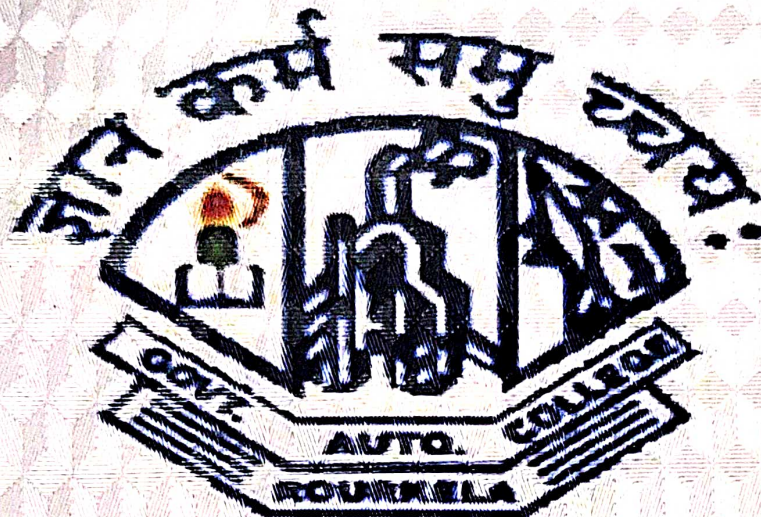
**Mr. P. K. Sethy (H.O.D)**

**Ms.VIJETA NAYAK**

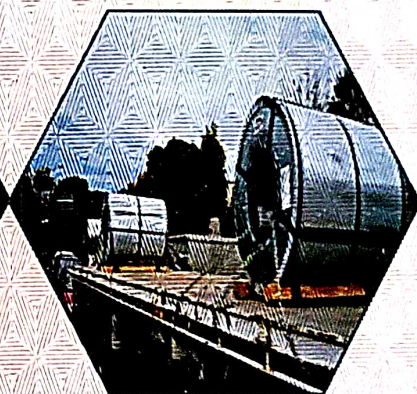
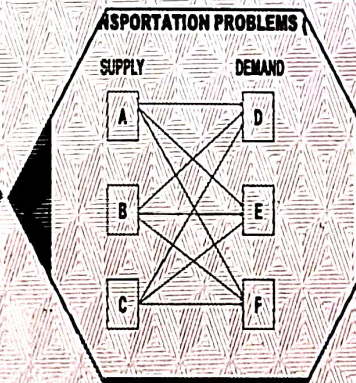
**Dept .Of Statistics , GACR**



# GOVERNMENT AUTONOMOUS COLLEGE ROURKELA



## PROJECT NAME :- TRANSPORTATION PROBLEM



PREPARED BY :- SUMAN KUMARI GOUD

ROLL NO. :- 19STS034

+3, 6<sup>TH</sup> SEMESTER

GUIDED BY :- MR. MADAN MOHAN BEHERA,  
MRS. SWAGATIKA DAS, MR. SAMEER TOPPO AND  
MISS VIJETA NAYAK

DEPARTMENT :- STATISTICS

GOVERNMENT AUTONOMOUS COLLEGE ROURKELA