

## NANO PARTICLES

A

project report

submitted in partial fulfillment for the  
degree of Bachelor of Science in Physics

by

Name of Students	Roll No.	Regd. No.
Debaranjan Singh	5713B16006	03801/2016
Pradeep Kumar Malik	5713B16018	03820/2016
Pritam Manna	5713B16020	03824/2016
Sitakanta Malik	5713B16027	03833/2016

Under the Guidance of:-

Dr. Santosh Kumar Panda  
Lecture in Physics



**SWARNACHUDA DEGREE COLLEGE, MITRAPUR**

Affiliated to

**FAKIR MOHAN UNIVERSITY**

BALASORE, ODISHA

2019

# Numerical Simulation of Binding Energy and Mass Parabola

*A project report submitted in partial fulfillment of the degree of  
Bachelor Of Science*

*By*

<b>Name of The Students</b>	<b>Roll.No.</b>	<b>Regd.No.</b>
Ashish Anshuman Panda	5713B16002	03794/2016
Ipsita Shuvadardshinee Das	5713B16011	03808/2016
Jagadish Barik	5713B16012	03809/2016
Satyajit Ojha	5713B16025	03831/2016
Shantilata Parida	5713B16026	03832/2016
SK Ijaj Alli Tulla	5713B16028	03834/2016
Subhankar Patra	5713B10029	03838/2016
Susanta Pal	5713B16030	03840/2016

*Under the guidance of*

**Dr. Santosh Kumar Panda, Lect. In PHYSICS,**

Department of Physics,

Swarnachud Degree College,

Mitrapur, Balasore.



*Swarnachud Degree College, Mitrapur,  
Affiliated to F.M University Vyashavihar  
Balasore, Odisha*

**A  
PROJECT  
ON  
NEUTRINO HYPOTHESIS**

A project report submitted in partial fulfillment of the degree of **Bachelor of Science**

By

<b>1</b>	<b>ANIL KUMAR BEHERA</b> Roll No- 5713B16001 Regd. No-03793/2016	<b>KANHU CHARAN BHOI</b> Roll No- 5713B16013 Regd. No-03812/2016	<b>5</b>
<b>2</b>	<b>BISWARANJAN SANKHUA</b> Roll No- 5713B16003 Regd. No-03798/2016	<b>MANAS KUMAR KANDI</b> Roll No- 5713B16015 Regd. No-03816/2016	<b>6</b>
<b>3</b>	<b>DEEPAK KUMAR MAHALIK</b> Roll No- 5713B16007 Regd. No-03802/2016	<b>RAJAT KUMAR SAHU</b> Roll No- 5713B16021 Regd. No-03826/2016	<b>7</b>
<b>4</b>	<b>DIBYENDU KUMAR NAYAK</b> Roll No- 5713B16008 Regd. No-03803/2016	<b>RUPALI TAREI</b> Roll No- 5713B16022 Regd. No-03828/2016	<b>8</b>

Under the guidance of

**Dr. Santosh Kumar Panda**

(Lect. In Physics)

**SWARNACHUDA (DEGREE) COLLEGE,  
MITRAPUR, BALASORE**

**ESTD - 1978**

## APROJECT ON

A STUDY OF SPACE TIME RELATIONSHIP IN  
ACCORDANCE WITH SPECIAL THEORY OF RELATIVITY



A Project report submitted in partial  
fulfillment of the  
Degree of Bachelor of Science.

### SUBMITTED BY

NAME	ROLL NO	REGD. NO
1. Anirudha Behera	5713B17006	06655/17
2. Ashirbad Mohapatra	5713B17007	06604/17
3. Debiprasad Panigrahi	5713B17011	06644/17
4. Girish Chandra Rout	5713B17014	06617/17
5. Monaj Pradhan	5713B17023	06628/17
6. Sandeep Kumar Sahu	5713B17032	06634/17
7. Sandip Kumar Maharna	5713B17033	06629/17
8. Subrat Behera	5713B17040	06673/17

### UNDER THE SUPERVISION AND GUIDANCE OF

**Mr. Chandan Kumar Nayak**

**[Lecture. in Physics]**

**Swarnachuda College, Mitrapur**

**Balasore, Odisha-756002**

**Estd. -1978**

**Session: 2019-20**

# A PROJECT ON EXPLORING UNIVERSE ; THE BIG BANG THEORY

## SUBMITTED BY

NAME	ROLL NO	REGD. NO
1.AKASH KUMAR NAYAK	5713B17001	06646/17
2.ANIKET DASH	5713B17005	06637/17
3.KUMARSHREE MANAS MILAN PARIDA	5713B17018	06630/17
4.PRANAB DAS	5713B17027	06603/17
5.RAJAT KUMAR MOHAPATRA	5713B17030	06659/17
6.SOUMYA SUNDAR BHUYAN	5713B17038	06663/17

## UNDER THE SUPERVISION AND GUIDANCE OF

**Dr. Santosh Kumar Panda**

**[Lecture. In physics]**



**Swarnachud College. Mitrapur**

**Balasore, Odisha-756020**

**Estd.-1978**

**Session:2019-20**

# **A PROJECT ON EFFICIENCY OF SOLAR CELL**



**A Project report submitted in partial  
fulfillment of the  
Degree of Bachelor of Science.**

## **Submitted By**

<b>NAME</b>	<b>ROLL NO</b>	<b>REGD. NO</b>
1. Asit Kumar Das	5713B17008	06622/17
2. Dinabandhu Bisoi	5713B17013	06624/17
3. Jyotikrushna Behera	5713B17016	06614/17
4. Mamata Gupta	5713B17021	06674/17
5. Om Shankar Das	5713B17025	06625/17
6. Priti Suman Rana	5713B17028	06627/17
7. Rajkishore Mohapatra	5713B17031	06647/17
8. Sushil Kumar Rana	5713B17041	06631/17

## **UNDER THE SUPERVISION AND GUIDANCE OF**

**Mr. Chandan Kumar Nayak**  
**[Lecture. in Physics]**

**Swarnachuda College, Mitrapur**  
**Balasore, Odisha-756002**

**Estd. -1978**  
**Session: 2019-20**

**A PROJECT ON**  
**A STUDY OF SUPERCONDUCTIVITY**  
**A PROJECT REPORT SUBMITTED IN PARTIAL**  
**FULFILLMENT OF THE DEGREE OF BECHELOR OF**  
**SCIENCE**

**SUBMITTED BY:**

<u>NAME</u>	<u>ROLL NO</u>	<u>REGD.NO</u>
1.Ananta Maharana	5713B17003	06606/17
2.Chinmaya Kumar Nayak	5713B17010	06610/17
3.Deepak Kumar Nath	5713B17012	06651/17
4.Madhusudan Jena	5713B17019	06613/17
5.Malaya Ranjan Parida	5713B17020	06642/17
6.Manas Kumar Das	5713B17022	06638/17
7.Padma Kumar Nayak	5713B17026	06645/17
8.Sikun Kumar Nayak	5713B17037	06621/17

**UNDER THE SUPERVISION AND GUIDANCE OF**  
**Dr. Santosh Kumar panda**  
**( Lecture. In Physics**



**Swarnachud College , Mitrapur**  
**Balasore, Odisha-756002**  
**Estd-1978**  
**Session 2019-20**