




**Testimonials of  
Dr. Nibedita Dash, Assistant Professor (TE) Physics  
C.T.E., Balasore**

BOLL NO 45TA077    CERT NO. ATQ3-10755    SERIAL NO M1289361  
**Board of Secondary Education, Orissa**  
  
**HIGH SCHOOL CERTIFICATE EXAMINATION (Regular/Ex-Regular)**

*I certify that* NIREDITA DASH *Son/Daughter*  
*of* ANUJAYA DASH *and* RAJENDRA PRASAD DASH  
(Mother) (Father)  
*born on* 15TH JUNE, NINETEEN, EIGHTY, EIGHT *passed the High School*  
*Certificate Examination held in the month of* MARCH 2003  
*from* GANESHWARPUR GIRLS HIGH SCHOOL, GANESHWARPUR, PURI  
*and was placed in the* FIRST *Division.*

**SUBJECTS OF EXAMINATION**  
 1. OIAVA                      2. MATHEMATICS (MTA & MTG)  
 3. ENGLISH                   4. SCIENCE (SCP & SOL)  
 5. SANSKRIT                   6. SOCIAL SCIENCE (SSA & SSB)

WORK EXPERIENCE    ART EDUCATION    HEALTH & PHYSICAL EDUCATION  
 GRADES:                      4                      4                      4

THE 10 DEC 2003  
  
 Head of the Institution  
  
 Secretary  
*Nibedita Dash*

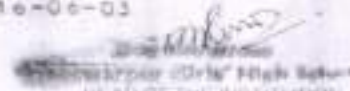
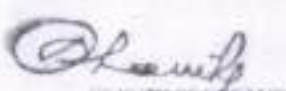
**BOARD OF SECONDARY EDUCATION, ORISSA**  
**PROVISIONAL CERTIFICATE CUM MEMORANDUM OF MARKS**  
 BOLL NO 45TA077    BRL NO 311217939

THIS IS TO CERTIFY THAT  
 SON/DAUGHTER OF (MOTHER) ANUJAYA DASH  
 (FATHER) RAJENDRA PRASAD DASH  
 DIVISION 05-06-88                      APPEARED AT THE ANNUAL  
 HIGH SCHOOL CERTIFICATE EXAMINATION, HELD IN MARCH - 2003  
 FROM GANESHWARPUR GIRLS HIGH SCHOOL, GANESHWARPUR, PURI

**SUBJECTS OF EXAMINATION, MARKS SECURED AND RESULT**

FIRST LANGUAGE		SECOND LANGUAGE		THIRD LANGUAGE		MATHEMATICS			SCIENCE		
CODE	MARKS	CODE	MARKS	CODE	MARKS	PART I MTA	PART II MTG	TOTAL	PART I SCP	PART II SOL	TOTAL
FLO	55	SLC	74	TLS	82	65	75	140	65	61	126

SOCIAL SCIENCE			AGGREGATE		RESULT	INTERNAL ASSESSMENT			
PART I SSA	PART II SSB	TOTAL	PERFORMED	AWARDED		GRADE			
CODE	MARKS	TOTAL	PERFORMED	AWARDED	GRADE	IC	EC	IE	
45	42	087	384	FIVE SIX	FOUR	FIRST	A	A	A

DATE OF PUBLICATION OF RESULT 10-06-03  
  
 Head of the Institution  
  
 Deputy Secretary  
*Nibedita Dash*

ROLL NO. 320MCO9K  
REGNO. 076532/2003

REGNO. NO. 122287  
SERIAL NO. 0005109/20A

# COUNCIL OF HIGHER SECONDARY EDUCATION, ORISSA BHUBANESWAR



## HIGHER SECONDARY EXAMINATION CERTIFICATE

I hereby state **NIBEDITA DASH**  
 the daughter of **ANUSAYA DASH**  
 of **RAJENDRA PRASAD DASH**  
 of **NIMAPARA COLLEGE, NIMAPARA**  
 has passed the Higher Secondary Examination in **SCIENCE**  
 held in the month of **MARCH 2005** and was placed in the **FIRST** Division.

### SUBJECTS OF EXAMINATION

**COMPULSORY** - ENGLISH  
                   - HIL OLIYA  
**OPTIONALS** - PHYSICS  
                   - CHEMISTRY  
                   - MATHS  
**EXTRA OPTIONAL** - BIOLOGY  
**WORK EXPERIENCE** - A



DATE

CHIEF EXAMINER

*Nibedita Dash*

*[Signature]*  
HEAD OF THE INSTITUTION

*[Signature]*  
SECRETARY

*Nibedita Dash*

SERIAL NO. 034664

# COUNCIL OF HIGHER SECONDARY EDUCATION, ORISSA BHUBANESWAR



## PASS CERTIFICATE-CUM-MEMORANDUM OF MARKS HIGHER SECONDARY EXAMINATION

I hereby certify that **NIBEDITA DASH**  
 the daughter of **RAJENDRA PRASAD DASH/ANUSAYA DASH**  
 of **NIMAPARA COLLEGE, NIMAPARA** JUN PRASAD  
 in the **ANNUAL EXAM 2005** and is placed in **FIRST** DIVISION

THE SUBJECTS IN WHICH THE CANDIDATE WAS EXAMINED AND MARKS OBTAINED ARE AS UNDER:

ROLL NO. 320MCO9K	REGNO. NO. 076532/03	STREAM SCIENCE (FACULTY)			
		HIGHER SECONDARY		WORK EXPERIENCE	
SUBJECTS		MARKS	PERCENTAGE	MARKS	PERCENTAGE
ENGLISH		100	100	100	100
HIL OLIYA		100	100	100	100
PHYSICS (PRAC)		75	75	100	100
CHEMISTRY		75	75	100	100
CHEMISTRY (PRAC)		100	100	100	100
MATHS		100	100	100	100
BOTANY (EOP)		100	100	100	100
ZOOLOGY (EOP)		100	100	100	100
BIOLOGY (EOP)		100	100	100	100
ECOLOGICAL (EOP)		100	100	100	100

WORK EXPERIENCE - A

Grade: **FIVE** (HIGHER SECONDARY) & **EIGHT** (WORK EXPERIENCE)

**FIVE** **EIGHT**

Grade: **500**

**500**

PASS MARKS: **500**

Grade: **500**

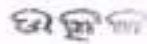
Grade: **500**

*Nibedita Dash*

*[Signature]*  
CHIEF EXAMINER



# Utkal University



**HONOURS DIPLOMA FOR BACHELOR OF SCIENCE WITH DISTINCTION**  
 ଉନ୍ନତ ଓ ବିସ୍ତୃତ ଭାବେ ପଢ଼ିବା ଉପରେ ଉତ୍ତମ ଉପାଧି ପ୍ରଦାନ ପତ୍ର

*This is to certify that*

**NIBEDITA DASH**

of **NIMAPARA COLLEGE, NIMAPARA**  
*who passed the Examination for the degree of*  
**BACHELOR OF SCIENCE**

of **2008** held in the month of **APRIL 2008**  
**WITH FIRST CLASS HONOURS IN PHYSICS AND DISTINCTION.**  
*was this day admitted to the Degree.*

ଏହି ପ୍ରମାଣ ପତ୍ର  
 ବିଦେଶୀ ଦାତ୍ର

ଫାଇନାଲ ମାର୍କସିଟ୍, ନିମାପାରା

ତା. ୩୧ମାର୍ଚ୍ଚ ୨୦୦୮

କେ ଅନୁଷ୍ଠିତ ପୂର୍ବକ ବିଷୟ ପଢ଼ାଯାଇଛି ପରୀକ୍ଷା ବିଭାଗରେ ପ୍ରମାଣ କରାଯାଇଛି

ଉନ୍ନତ ଓ ବିସ୍ତୃତ ଭାବେ ଉପାଧି ପ୍ରଦାନ କରାଯାଇଛି

ଅନ୍ୟ ଏହି ଉପାଧି ପ୍ରଦାନ କରାଯାଇଛି ।  
**SUBJECTS OF EXAMINATION :**

**COMPULSORY:** English M.L.(Oriya)  
 Indian Society and Culture  
 Environmental Studies  
 Information Technology

**HONOURS:** Physics  
**MAJOR ELECTIVE:** Mathematics  
**MINOR ELECTIVE:** Biology

**PASS:** Chemistry

*Nibedita Dash*

Date : 25th January 2009

Utkal University  
 Vice-Chancellor, Bhubaneswar,  
 Orissa, India.



*A. Prasad*  
 Vice-Chancellor

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## UTKAL UNIVERSITY

THREE YEAR DEGREE COURSE EXAMINATION 2008

### MARK SHEET

COLLEGE: NIMAPARA COLLEGE, NIMAPARA

NAME: NIBEDITA DASH

Roll No: 4711  
 Roll No: 5704P05011  
 Regd No: 20094/05

E. CODE	FIRST UNIVERSITY EXAM				SECOND UNIVERSITY EXAM				THIRD UNIVERSITY EXAM					
	PAPER	10	15	25	PAPER	10	15	25	PAPER	10	15	25		
ENG		50	15	25	IT	50	15	21	ISC		100	30	40	
MIL		50	15	22	ES	50	15	26						
PASS														
CHE	I	75	23	50	CHE	III	75	23	48					
CHE	II	75	23	46	CHE	IV	75	23	50					
PRAC		50	20	41	PRAC		50	20	37					
HONS														
PHY	I	75	23	58	PHY	III	75	23	62	PHY	V	75	23	36
PHY	II	75	23	45	PHY	IV	75	23	46	PHY	VI	75	23	36
PRAC		50	20	41	PRAC		50	20	45	PRAC	VII	75	23	51
										PHY	VIII	75	23	56
										PRAC		50	20	43
MIN. ELE. BID		100	30	49	MAJ. ELE. MATH	I	100	30	82	MATH	II	100	30	87
TOTAL		600		378	TOTAL		600		422	TOTAL		600		391
Grand Total	561				Grand Total	600				Grand Total	1191			

RESULTS: FIRST CLASS HONOURS WITH DISTINCTION

PREPARED BY THE COLLEGE

CONTROLLED BY EXAMINATIONS

*Nibedita Dash*

*[Signature]*



# UTKAL UNIVERSITY

## Provisional Certificate

Sl. No. : A12110003

This is to certify that **NIBEDITA DASH**  
 bearing Roll No. **12102V084003** Regd. no. **39648/08**  
 appearing from **P.G. DEPARTMENT OF PHYSICS, UTKAL UNIVERSITY, BHUBANESWAR**  
 in **REGULAR** Candidate has passed the **MASTER OF SCIENCE IN PHYSICS**  
 Examination of **2018** held in the month of **APRIL, 2018**  
 in **FIRST** Class

Nibedita Dash

*Amahapatia*  
 Head of the Post Graduate  
 Department of Physics,  
 Utkal University, Vanii Vihar  
 Bhubaneswar-751004

*[Signature]*  
 Controller of Examinations

EXAMINATION COMPUTER CELL



# UTKAL UNIVERSITY

## MARK SHEET

Sl. No. A12110265003

Roll No. 12102V084003

Registration No. 39648/08

Examination: **MASTER OF SCIENCE (PHYSICS) 4TH SEM. EXAM., 2018**

Name: **NIBEDITA DASH**

College: **P.G. DEPARTMENT OF PHYSICS, UTKAL UNIVERSITY, BSB**

Papers	Subject	Position		Marks Obtained	
		UN	CH		
PAPER-13	BASIC NUCLEAR AND PARTICLE PHYSICS	20	10	35+15 = 50	
PAPER-14	CLASSICAL ELECTRODYNAMICS	20	12	35+15 = 50	
<b>SPECIAL PAPER-II</b>					
PAPER-15	PARTICLE PHYSICS-II	15	12	15+15 = 30	
PAPER-16	LABORATORY-IV / PROJECT WORK	50	23	70+30 = 100	
<b>TOTAL OF 4TH SEMESTER :</b>				<b>250</b>	<b>304</b>
<b>TOTAL OF 3RD SEMESTER :</b>				<b>250</b>	<b>194</b>
<b>TOTAL OF 2ND SEMESTER :</b>				<b>250</b>	<b>170</b>
<b>TOTAL OF 1ST SEMESTER :</b>				<b>250</b>	<b>143</b>
<b>Result: FIRST CLASS (SEVEN ONE NINE)</b>		<i>Amahapatia</i>		<b>TOTAL: 1000</b>	<b>719</b>

Nibedita Dash

H. G. D./Principal of the College

Head of the Post Graduate  
 Department of Physics  
 Utkal University, Vanii Vihar  
 Bhubaneswar-751004

*[Signature]*  
 Controller of Examinations

EXAMINATION COMPUTER CELL



# Utkal University

ଉତ୍କଳ ବିଶ୍ୱବିଦ୍ୟାଳୟ

013289

## DIPLOMA FOR THE DEGREE OF BACHELOR OF EDUCATION

*This is to certify that*

**NIBEDITA DASH**

*of* NALINI DEVI WOMEN'S COLLEGE OF TEACHER EDUCATION, BHUBANESWAR

*having passed the*

## BACHELOR OF EDUCATION

*Examination of 2011*

*in First Class*

*was this day admitted to the degree.*

ସ୍ନାତକ ଶିକ୍ଷା ଯୋଗ୍ୟତା ପତ୍ର

୨୦୧୧ ମସିହାରେ ଅନୁଷ୍ଠିତ

ସ୍ନାତକ ଶିକ୍ଷା ପରୀକ୍ଷାରେ ପ୍ରଥମ ଶ୍ରେଣୀରେ ଭଲାର୍ଥ

ନିବିଦିତା ଦାଶ ନାଲିନୀ ଡେଭି ମହିଳା ଶିକ୍ଷକ ଶିକ୍ଷା ମହାବିଦ୍ୟାଳୟ, ଭୁବନେଶ୍ୱର

ନିବେଦିତା ଦାଶ

ଅଦ୍ୟ ଏହି ଉପାଧି ପ୍ରଦାନ କରାଯାଏ ।

*Nibedita Dash*

2nd March, 2012

Date :

Utkal University  
Vanvi Vihar, Bhubaneswar,  
Odisha, India



*Matraix*  
Vice-Chancellor

Signature of Vice-Chancellor



002675

## UTKAL UNIVERSITY MARK SHEET

Sl. No. : 4120104107

Hall No. : 2100010

Registration No. : 29640/10

Examination : BACHELOR OF EDUCATION EXAMINATION, 2011

Name : NIBEDITA DASH

College/Dept. Name : NALINI DEVI WOMEN'S COLLEGE OF TEACHER EDUCATION

Papers	Subject	Maximum Marks	Marks Obtained
PAPER-1	TEACHER & EDUCATION IN THE SPANISH INDIAN SOCIETY	100	91
PAPER-2	EDUCATIONAL PSYCHOLOGY	100	91
PAPER-3	TRADITIONAL SCHOOL ORGANISATION, GUIDANCE & CURRICULAR TECH.	100	97
PAPER-4	FUNDAMENTALS OF TEACHING	100	78
PAPER-5	1A) HEALTH, PHYSICAL EDN. & RECREATION - ART & AESTHETIC EDN 1B) INTEGRATED EDUCATION FOR CHILDREN WITH SPECIAL NEEDS	100	32
<b>METHODS OF TEACHING</b>			
PAPER-6	GENERAL SCIENCE	100	88
PAPER-7	MATHEMATICS	100	87
PAPER-8	INTERSHIP IN TEACHING AND PRACTICAL TEACHING 1A) GENERAL SCIENCE 1B) MATHEMATICS	100	97
PAPER-9	SOCIALLY USEFUL PRODUCTIVE WORK (MUSIC)	100	75
PAPER-10	WORKING WITH COMMUNITY	100	8
PAPER-11	ENVIRONMENTAL STUDIES	100	8
		<b>TOTAL</b>	<b>1000</b>
			<b>809</b>

Grade : FIRST CLASS  
I (80% OR MORE)  
Signature of Controller of Examinations

Signature of Controller of Examinations

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*Nibedita Dash*



upon the recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

in

**Basic Sciences (Physics)**

on

**Nibedita Dash**

for her research work on

"Measurement of the Time-Integrated CP Asymmetry and the Branching Fraction of the Decay  $D^0 \rightarrow K^+ K^-$  at the Belle Experiment"

Given under the seal of the Institute at Bhubaneswar

on

the twenty first day of September, two thousand and nineteen.

Nibedita Dash

*[Signature]*  
Registrar

*[Signature]*  
Director



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर  
Indian Institute of Technology Bhubaneswar



Transcript of course work  
Ph.D. Programme

Name: Nibedita Dash  
Roll No: 12PH08006

School of Basic Sciences

Year of admission: 2012  
Year of graduation: 2018

Subject Code	Subject Name	L-T-P	Credit	Grade
PH5601	Advanced statistical Mechanics	3-0-0	3	A
HSA6001	English for Technical Writing	2-2-0	4	B
PHA6007	Methods in Experimental Nuclear & Particle Physics	3-0-0	3	A
PH71009	Practise Physics	3-0-0	3	A
PHA6006	Quantum Fluid Theory	3-0-0	3	B
HSA6002	Research Methodology and Data Analysis	3-1-0	4	EX



*[Signature]*  
Registrar

*[Signature]*  
Director

*[Signature]*  
Assistant Registrar (Academic)

**GENERAL INFORMATION**

- The abbreviation L-T-P stands for Lecture, Tutorial and Practical hours per week, respectively.
- The following letter grades are used as a measure of student's performance

Performance	Letter grade	Range of marks ( $m$ ) obtained
Excellent	Ex	$m \geq 90$
Very Good	A	$80 < m < 90$
Good	B	$70 \leq m < 80$
Fair	C	$60 < m < 70$
Fail	F	$m = 60$

- To qualify, a candidate must obtain a grade 'C' or higher in each registered subject.

Nibedita Dash



संख्या / No. NISER/SPS/IPDF/OC/2022/OC-9

दिनांक / Date : 20.06.2022

**कार्यालय आदेश / OFFICE ORDER**

जैत निवेदित प्रक. पीएच.डी.अनुसंधान शिपि के कार्यकाल के पूरा होने के परिणामस्वरूप, जैत 23 मई, 2022 (अनुसंधान) में कार्य निरवधि में कार्य शुरू किया जाया है।

Consequent upon the completion of tenure of Dr. Nibedita Dash, Post-Doctoral Fellow, she is hereby relieved from her duties w.e.f 23<sup>rd</sup> May, 2022 (A.N.).

जैत 24.05.2021 से 23.05.2022 तक शैक्षणिक विज्ञान विभाग में पीएच.डी.अनुसंधान शिपि के रूप में कार्य किया है।

She has worked as Post-Doctoral Fellow in the School of Physical Sciences from 24.05.2021 to 23.05.2022.

अध्यक्ष (एस.पी.एस) / Chairperson (SPS)

दस्तावेज / To,

जैत निवेदित प्रक. / Dr. Nibedita Dash

प्रतिलिपि / Copy to :

1. प्रो. संजय कुमार स्वामी / Prof. Sanjay Kumar Swain
2. निदेशालय / Directorate
3. डीन, आर.एच.डी. / Dean, R&D
4. अध्यक्ष, आवास आवंटन समिति / Chairman, House Allotment Committee
5. लेखा विभाग / Accounts Section
6. प्रशासन विभाग / Administration Section
7. खरीद एवं भंडारण विभाग / Store & Purchase Section
8. पुस्तकालय विभाग / Library Section
9. कंप्यूटर केंद्र / Computer Centre

*Nibedita Dash*



No.F.ARU./R3/IPDF/Exp Cert/2021

Date: 26.02.2021

**EXPERIENCE CERTIFICATE**

This is to certify that Dr. Nibedita Dash, Roll No. PH18PF06, Department of Physics was an Institute Post Doctoral Fellow at this Institute from 24.07.2018 to 31.01.2021 under the mentorship of James Libby, Department of Physics in the research topic entitled "Data analysis on  $ph_{12}(\gamma)$  measurement of  $B \rightarrow D_0(KS^{0*}D^0)$  K mode and analysis with mode  $D_0 \rightarrow KS^{0*}D^0$ , Rediscoveries of B from phase II data of Belle II."

Dr. Nibedita Dash was able to conduct research in the identified area to the best appreciation of her mentor and was trained to operate state of the art equipment.

We wish her success in all her future endeavors.

Deputy Registrar (Acad. Research)  
Deputy Registrar (Research)  
Academic Section  
Indian Institute of Technology Madras,  
Chennai-600 029.

*Nibedita Dash*