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The  
West Bengal University Of Technology  
declares  
**TWISHA DAS**  
*a*



**Bachelor of Technology**

*on having attended the prescribed course of instructions  
and fulfilling the requisite professional standard in the  
subject assessed through written examinations, projects and  
a dissertation*

**College** HERITAGE INSTITUTE OF TECHNOLOGY

**Branch** Chemical Engineering

**DGPA\*** 8.47

**Year** 2010

*Given under the seal of the University*

*Kolkata*



*Satyasheel Sen Roy*

**Dated:** 8<sup>th</sup> March 2011

\* Degree Grade Point Average

*Vice - Chancellor*

# WEST BENGAL UNIVERSITY OF TECHNOLOGY



## GRADE CARD

For the **FOURTH YEAR B. TECH. (CHE) SECOND (EVEN) SEMESTER EXAMINATION OF 2009-10** of

Name **TWISHA DAS**

**Roll No. 12606062015**

Registration No. **126010612009** OF **2006-2007**

Subject Code	Subjects Offered	Letter Grade	Grade Points	University of Technology	West Bengal University of Technology	Credit Points
CHE801	TRANSPORT PHENOMENA	A	8	West Bengal University of Technology	West Bengal University of Technology	32
CHE802	BIOTECHNOLOGY & BIOCHEMICAL ENGINEERING	E	9	West Bengal University of Technology	West Bengal University of Technology	27
CHE803	ENVIRONMENTAL ENGINEERING	E	9	West Bengal University of Technology	West Bengal University of Technology	36
CHE804D	SAFETY IN CHEMICAL PROCESS INDUSTRIES	O	10	West Bengal University of Technology	West Bengal University of Technology	30
CHE891	PROJECT WORK/PLANT DESIGN	O	10	West Bengal University of Technology	West Bengal University of Technology	60
CHE892	REPORT AND VIVA VOCE ON PROJECT WORK/PLANT DESIGN	O	10	West Bengal University of Technology	West Bengal University of Technology	80
CHE893	COMPREHENSIVE VIVA VOCE	A	8	West Bengal University of Technology	West Bengal University of Technology	64
<b>Total</b>						

**SGPA FOURTH YEAR FIRST (ODD) SEMESTER : 8.58**

**SGPA FOURTH YEAR SECOND (EVEN) SEMESTER : 9.14**

**YGPA FOURTH YEAR : 8.87**

**Result : P DGPA : 8.47**

**College / Institution HERITAGE INSTITUTE OF TECHNOLOGY**

**DGPA = (1 x YGPA1 + 1 x YGPA2 + 1.5 x YGPA3 + 1.5 x YGPA4)**

**(DEGREE GRADE POINT AVERAGE) 5**

Kolkata, The **27TH JULY 2010**

  
**Controller of Examinations**

# WEST BENGAL UNIVERSITY OF TECHNOLOGY



## GRADE CARD

For the **FOURTH YEAR B.TECH.(CHE) FIRST (ODD) SEMESTER EXAMINATION OF 2009-10**

Name **TWISHA DAS**

Roll No. **12606062015**

Registration No. **126010612009** OF **2006-2007**

<b>Subject Code</b>	<b>Subjects Offered</b>	<b>Letter Grade</b>	<b>Points</b>	<b>West Bengal University of Technology Credit</b>	<b>Credit Points</b>
<b>CHE701</b>	<b>MATHEMATICAL METHODS IN CHEMICAL ENGINEERING</b>	<b>A</b>	<b>8</b>	<b>West Bengal University of Technology</b>	<b>32</b>
<b>CHE702</b>	<b>MODELING, SIMULATION AND OPTIMIZATION</b>	<b>E</b>	<b>9</b>	<b>West Bengal University of Technology</b>	<b>36</b>
<b>CHE703</b>	<b>PROJECT ENGINEERING</b>	<b>A</b>	<b>9</b>	<b>West Bengal University of Technology</b>	<b>32</b>
<b>CHE704A</b>	<b>POLYMER SCIENCE &amp; ENGINEERING</b>	<b>E</b>	<b>9</b>	<b>West Bengal University of Technology</b>	<b>32</b>
<b>HU715</b>	<b>INDUSTRIAL MANAGEMENT</b>	<b>A</b>	<b>8</b>	<b>West Bengal University of Technology</b>	<b>27</b>
<b>CHE791</b>	<b>PROJECT WORK / PLANT DESIGN</b>	<b>E</b>	<b>9</b>	<b>West Bengal University of Technology</b>	<b>32</b>
<b>CHE792</b>	<b>PROCESS INSTRUMENTATION AND CONTROL LAB</b>	<b>A</b>	<b>8</b>	<b>West Bengal University of Technology</b>	<b>18</b>
<b>CHE793</b>	<b>PROCESS EQUIPMENT DESIGN AND DRAWING III</b>	<b>A</b>	<b>8</b>	<b>West Bengal University of Technology</b>	<b>24</b>
<b>CHE794</b>	<b>REPORT AND VIVA VOCE ON IN-PLANT TRAINING</b>	<b>O</b>	<b>0</b>	<b>West Bengal University of Technology</b>	<b>40</b>
<b>CHE795</b>	<b>SEMINAR</b>	<b>E</b>	<b>9</b>	<b>West Bengal University of Technology</b>	<b>18</b>
<b>Total</b>					
<b>33</b>					

**SGPA FOURTH YEAR FIRST (ODD) SEMESTER : 8.58**

**SGPA** -

**YGPA** -

**Result** -

**College / Institution** **HERITAGE INSTITUTE OF TECHNOLOGY**

Kolkata, The **2ND MARCH 2010**

Sl. No. ....

# **WEST BENGAL UNIVERSITY OF TECHNOLOGY**



## GRADE CARD

For the THIRD YEAR BTECH (CHE) SECOND (EVEN) SEMESTER EXAMINATION OF 2008-09 of

Name TWISHA DAS

Roll No. 12606062015

**Registration No.** 126010612009 **OF** 2006-2007

**SGPA**   **THIRD YEAR FIRST (ODD) SEMESTER** : **8.43**

**SGPA** THIRD YEAR SECOND (EVEN) SEMESTER : 8.75

**YGPA** THIRD YEAR : 8.59

## Result

College / Institution HERITAGE INSTITUTE OF TECHNOLOGY

Kolkata, The 25TH AUGUST 2009

*Angela*  
Controller of Examinations

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**Sl. No. ....**

**WEST BENGAL UNIVERSITY OF TECHNOLOGY**



# GRADE CARD

For the THIRD YEAR B. TECH. (CHE) FIRST (ODD) SEMESTER EXAMINATION OF 2008-09 of

Name TWISHA DAS

Roll No. 12606062015

Registration No. 126010612009 OF 2006-2007

Subject Code	Subjects Offered	Letter Grade	Total Points	Wining Credit	Credit Points
CHE501	MACHINE DESIGN	E	9	3.0	27.0
CHE502	PROCESS HEAT TRANSFER	E	9	4.0	36.0
CHE503	CHEMICAL PROCESS TECHNOLOGY I	B	7	4.0	28.0
CHE504	CHEMICAL REACTION ENGINEERING	A	8	4.0	32.0
CHE505	SEPARATION PROCESSES I	A	8	4.0	32.0
CHE591	HEAT TRANSFER LAB	E	9	3.0	27.0
CHE592	PROCESS EQUIPMENT DESIGN AND DRAWING I	E	9	3.0	27.0
CHE593	CHEMICAL REACTION ENGINEERING LAB	E	9	3.0	27.0
<b>Total</b>					
	Bengal University of Technology West Bengal University of Technology	E	28.0	28.0	236.0

SGPA THIRD YEAR FIRST (ODD) SEMESTER : 8.43

SGPA

YGPA

## Result

**College / Institution** HERITAGE INSTITUTE OF TECHNOLOGY

Kolkata, The 27TH FEBRUARY 2009

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Controller of Examinations

Sl. No. 0009151

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# WEST BENGAL UNIVERSITY OF TECHNOLOGY



## GRADE CARD

For the **SECOND YEAR BTECH (CHE) SECOND (EVEN) SEMESTER EXAMINATION OF 2007-08** of  
Name **TWISHA DAS** Roll No. **12606062015**

Registration No. **126010612009** OF **2006-2007**

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
CHE401	<b>CHEMICAL ENGG. THERMODYNAMICS</b>	<b>C</b>	<b>6</b>	<b>4.0</b>	<b>24.0</b>
CHE402	<b>MECHANICAL OPERATIONS</b>	<b>B</b>	<b>7</b>	<b>4.0</b>	<b>28.0</b>
CHE403	<b>MATERIAL SCIENCE &amp; TECHNOLOGY</b>	<b>B</b>	<b>7</b>	<b>3.0</b>	<b>21.0</b>
CHE404	<b>ENERGY SOURCES AND THEIR UTILIZATION</b>	<b>C</b>	<b>6</b>	<b>4.0</b>	<b>24.0</b>
CHE405	<b>FLUID MECHANICS</b>	<b>E</b>	<b>9</b>	<b>4.0</b>	<b>36.0</b>
CHE491	<b>MECHANICAL OPERATIONS LAB</b>	<b>E</b>	<b>9</b>	<b>2.0</b>	<b>18.0</b>
CHE492	<b>ENERGY LAB</b>	<b>E</b>	<b>9</b>	<b>2.0</b>	<b>18.0</b>
CHE493	<b>FLUID MECHANICS LAB</b>	<b>A</b>	<b>8</b>	<b>2.0</b>	<b>16.0</b>
CHE494	<b>CHEMICAL ENGINEERING DRAWING</b>	<b>A</b>	<b>8</b>	<b>2.0</b>	<b>16.0</b>
HU481	<b>REPORT WRITING AND TECHNICAL LANGUAGE PRACTICE LABORATORY</b>	<b>E</b>	<b>9</b>	<b>1.0</b>	<b>9.0</b>
<b>Total</b>					
			<b>28.0</b>	<b>210.0</b>	

**SGPA SECOND YEAR FIRST (ODD) SEMESTER : 8.31**

**SGPA SECOND YEAR SECOND (EVEN) SEMESTER : 7.50**

**YGPA SECOND YEAR : 7.89**

**Result : P**

**College / Institution HERITAGE INSTITUTE OF TECHNOLOGY**

Kolkata, The 04TH AUGUST 2008

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Controller of Examinations

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Sl. No. ....

# WEST BENGAL UNIVERSITY OF TECHNOLOGY



## GRADE CARD

For the SECOND YEAR B. TECH. (CHE) FIRST (ODD) SEMESTER EXAMINATION OF 2007-08

Name TWISHA DAS

Roll No. 12606062015

Registration No. 126010612009 OF 2006-2007

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
CHE301	<b>INDUSTRIAL STOICHIOMETRY</b>	A	8	4.0	32.0
CS312	<b>DATA STRUCTURE &amp; DATABASE CONCEPTS</b>	O	10	4.0	40.0
CH313	<b>CHEMISTRY</b>	C	6	4.0	24.0
EE314	<b>ELECTRICAL MACHINES</b>	B	7	4.0	28.0
M315	<b>MATHEMATICS III</b>	A	8	4.0	32.0
CHE391	<b>INSTRUMENTAL METHODS OF ANALYSIS LAB</b>	O	10	2.0	20.0
CS382	<b>DATA STRUCTURE AND DBMS LAB</b>	O	10	2.0	20.0
EE383	<b>ELECTRICAL MACHINES LAB</b>	O	10	2.0	20.0
<b>Total</b>			26.0	216.0	

SGPA SECOND YEAR FIRST (ODD) SEMESTER : 8.31

SGPA -

YGPA -

Result -

College / Institution HERITAGE INSTITUTE OF TECHNOLOGY

Kolkata, The 15TH MARCH 2008

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**Controller of Examinations**

# WEST BENGAL UNIVERSITY OF TECHNOLOGY



## GRADE CARD

For the FIRST YEAR B. TECH. SECOND (EVEN) SEMESTER EXAMINATION OF 2006-07 of

Name TWISHA DAS Roll No. 12606062015

Registration No. 126010612009 OF 2006-2007

Subject Code	Subjects Offered	Letter Grade	Points	West Bengal Credit	Credit Points
PH201	ENGINEERING PHYSICS	A	8	4	32
M201	MATHEMATICS	E	9	4	36
ME201	MECHANICAL SCIENCES	A	8	3	24
CS201	INTRODUCTION TO COMPUTING	B	7	3	21
EC201	BASIC ELECTRONICS ENGINEERING	B	7	4	28
CH201	ENGINEERING CHEMISTRY	A	8	3	24
PH291	ENGINEERING PHYSICS LAB	E	9	1	9
CH291	ENGINEERING CHEMISTRY LAB	D	10	1	10
CS291	COMPUTING LAB	A	8	2	16
EC291	ELECTRONICS ENGINEERING LAB	D	10	2	20
ME291	ENGINEERING GRAPHICS	D	10	2	20
ME292	WORKSHOP PRACTICAL	E	9	2	18
<b>Total</b>					
				31	258

SGPA FIRST YEAR FIRST (ODD) SEMESTER : 8.23

SGPA FIRST YEAR SECOND (EVEN) SEMESTER : 8.32

YGPA FIRST YEAR : 8.28

Result : P

College / Institution HERITAGE INSTITUTE OF TECHNOLOGY

Kolkata, The 22ND AUGUST 2007

Controller of Examinations

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Sl. No. ....

# WEST BENGAL UNIVERSITY OF TECHNOLOGY



## GRADE CARD

For the FIRST YEAR B.TECH., FIRST (ODD) SEMESTER EXAMINATION OF 2006-07..... of

Name ..... TWISHA DAS ..... Roll No. ...12606062015.....

Registration No. .... 126010612009 OF 2006-2007.....

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
HU101	ENGLISH LANGUAGE & COMMUNICATION	E	9	3	27
PH101	ENGINEERING PHYSICS	C	6	4	24
M101	MATHEMATICS	C	9	4	36
ME101	MECHANICAL SCIENCES	E	6	4	24
EE101	BASIC ELECTRICAL ENGINEERING	C	9	4	36
CH101	ENVIRONMENT & ECOLOGY	E	8	3	24
PH191	ENGINEERING PHYSICS LAB.	A	9	2	18
EE191	ELECTRICAL ENGINEERING LAB.	O	10	2	20
ME191	ENGINEERING GRAPHICS	O	10	2	20
ME192	WORKSHOP PRACTICAL	E	9	2	18
Total			30	247	

SGPA FIRST YEAR FIRST (ODD) SEMESTER : 8.23

SGPA

YGPA

Result

College / Institution HERITAGE INSTITUTE OF TECHNOLOGY

Kolkata, The 16TH FEBRUARY 2007.

  
Controller of Examinations