

**NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)**

BERHAMPUR, ODISHA, 761008, INDIA

*An Autonomous Institution Affiliated To***Biju Patnaik University of Technology**

ROURKELA, ODISHA, 769015, INDIA

*( Vide Letter No: BPUT/XXIII-CDC/06/18/4541 dated:09/10/2018 )*

No.: 202/GS/

18/2201/0471

**GRADE SHEET**

Regd No. : 1801202134  
 Student Name : **BORA PRATHAMESH**  
 Course : Bachelor of Technology  
 Branch : Mechanical Engineering

Aadhaar No. : 639921948650  
 Father's Name : LATE BORA DINABANDHU

**Semester: SE 1**

Subject Code	Subject Name	Credit	Grade
NRBE1B001	BASIC ELECTRICAL ENGINEERING	2	D
NRBM1B001	BASIC MECHANICAL ENGINEERING	2	C
NRCE1E001	COMMUNICATIVE ENGLISH	2	C
NRIT1F301	INDUCTION TRAINING	0	O
NRMA1A001	MATHEMATICS I	3	C
NRPH1A001	PHYSICS	3	C
NRBE1B201	BASIC ELECTRICAL ENGINEERING LAB	1	E
NRBM1B201	BASIC MECHANICAL ENGINEERING LAB	1	E
NRCE1E201	ENGLISH LANGUAGE LAB	1	B
NREG1B201	ENGINEERING GRAPHICS & DESIGN LAB	2	O
NRPH1A201	PHYSICS LAB	1	E

**Semester: SE 2**

Subject Code	Subject Name	Credit	Grade
NRBC2B002	BASIC CIVIL ENGINEERING	2	B
NRBL2B002	BASIC ELECTRONICS ENGINEERING	2	C
NRCH2A002	CHEMISTRY	3	D
NREM2B001	ENGINEERING MECHANICS	3	D
NRMA2A001	MATHEMATICS II	3	C
NRNC2F301	YOGA	0	O
NRPL2B001	PROGRAMMING FOR PROBLEM SOLVING USING C	3	B
NRBC2B202	BASIC CIVIL ENGINEERING LAB	1	E
NRBL2B202	BASIC ELECTRONICS ENGINEERING LAB	1	O
NRCH2A202	CHEMISTRY LAB	1	A
NRPL2B201	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	2	O
NRWO2B202	WORKSHOP	2	O

SGPA(SE1): 6.89

CGPA(SE1): 6.89

SGPA(SE2): 7.04

CGPA(SE2): 6.98

Promotional Status: **PASS**

29-07-2022

Date of Publication :

*His*  
 Verified By

*Lakshmi Kanta Raju*  
 Controller of Examinations



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*( Vide Letter No: BPUT/XXIII-CDC/06/18/4541 dated:09/10/2018 )*

No.: 202/GS/

18/2201/0472

**GRADE SHEET**

Regd No. : 1801202134  
 Student Name : **BORA PRATHAMESH**  
 Course : Bachelor of Technology  
 Branch : Mechanical Engineering

Aadhaar No. : 639921948650  
 Father's Name : LATE BORA DINABANDHU

**Semester: SE 3**

Subject Code	Subject Name	Credit	Grade
NREN3E001	ENGINEERING ECONOMICS	3	B
NRES3F001	ENVIRONMENT SCIENCE	0	E
NRMA3A001	MATHEMATICS III	3	B
NRME3C001	MECHANICS OF SOLID	3	E
NRME3C002	FLUID MECHANICS AND HYDRAULIC MACHINES	3	A
NROP3B001	OBJECT ORIENTED PROGRAMMING USING JAVA	3	A
NRIP3H201	EVALUATION OF INTERNSHIP I	1	E
NRME3C201	MECHANICS OF SOLID LAB	2	O
NRME3C202	FLUID MECHANICS AND HYDRAULIC MACHINES LAB	2	E
NROP3B201	OOP USING JAVA LAB	2	O

**Semester: SE 4**

Subject Code	Subject Name	Credit	Grade
NRCN4F001	CONSTITUTION OF INDIA	0	O
NRME4C001	KINEMATICS & DYNAMICS OF MACHINES	3	A
NRME4C002	ENGINEERING THERMODYNAMICS	3	E
NRME4C003	INTRODUCTION TO PHYSICAL METALLURGY AND ENGINEERING MATERIALS	3	A
NRME4D001	INTERNAL COMBUSTION ENGINES AND GAS TURBINES	3	A
NRME4G002	MICROPROCESSOR AND MICROCONTROLLER	3	E
NROB4E002	ORGANISATIONAL BEHAVIOUR	3	E
NRME4C201	KINEMATICS & DYNAMICS OF MACHINES LABORATORY	2	A
NRME4C202	ENGINEERING THERMODYNAMICS LABORATORY	2	A
NRME4C203	INTRODUCTION TO PHYSICAL METALLURGY AND ENGINEERING MATERIALS LABORATORY	2	O

SGPA(SE3): 8.36

CGPA(SE3): 7.46

SGPA(SE4): 8.54

CGPA(SE4): 7.76

Promotional Status: **PASS**

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Date of Publication :

*Officer*  
 Verified By \*\*

*Lakshmi Kanta Raju*  
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*( Vide Letter No: BP/UT/XXIII-CDC/06/18/4541 dated:09/10/2018 )*

No.: 202/GS/

18/2201/0473

**GRADE SHEET**

Regd No. : 1801202134  
 Student Name : **BORA PRATHAMESH**  
 Course : Bachelor of Technology  
 Branch : Mechanical Engineering

Aadhaar No. : 639921948650  
 Father's Name : LATE BORA DINABANDHU

**Semester: SE 5**

Subject Code	Subject Name	Credit	Grade
NRME5C001	BASIC MANUFACTURING PROCESSES	3	C
NRME5C002	MECHANISMS AND MACHINES	3	B
NRME5C003	HEAT TRANSFER	3	C
NRME5D002	CAD/CAM	3	E
NRME5D005	RAPID MANUFACTURING PROCESSES	3	D
NRUH5F001	UNIVERSAL HUMAN VALUES	0	O
NRIP5H201	EVALUATION OF SUMMER INTERNSHIP-II	1	O
NRME5C201	BASIC MANUFACTURING PROCESSES LAB	2	E
NRME5C202	MECHANISMS AND MACHINES LAB	2	E
NRME5C203	HEAT TRANSFER LAB	2	O

**Semester: SE 6**

Subject Code	Subject Name	Credit	Grade
NREL5D002	ELECTRICAL ENERGY CONSERVATION AND AUDITING	3	A
NRK6F001	ESSENCE OF INDIAN KNOWLEDGE TRADITION - I	0	E
NRME6C001	DESIGN OF MACHINE ELEMENTS	3	E
NRME6C002	MACHINING SCIENCE AND TECHNOLOGY	3	O
NROE6A001	OPTIMIZATION IN ENGINEERING	3	B
NRPR6D001	COMPUTER INTEGRATED MANUFACTURING AND FMS	3	A
NRFC6H201	FUTURE-READY CONTRIBUTOR PROGRAM	2	E
NRME6C201	DESIGN OF MACHINE ELEMENTS LAB	2	A
NRME6C202	MACHINING SCIENCE AND TECHNOLOGY LAB	2	E
NRSM6H202	SEMINAR - I	1	E

SGPA(SE5): 7.50

CGPA(SE5): 7.71

SGPA(SE6): 8.50

CGPA(SE6): 7.84

Promotional Status: **PASS**

11-12-2021

Date of Publication :

*[Signature]*  
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No.: 202/GS/

18/2201/0474

**GRADE SHEET**

Regd No. : 1801202134  
Student Name : **BORA PRATHAMESH**  
Course : Bachelor of Technology  
Branch : Mechanical Engineering

Aadhaar No. : 639921948650  
Father's Name : LATE BORA DINABANDHU

**Semester: SE 7**

Subject Code	Subject Name	Credit	Grade
NRED7E001	ENTREPRENEURSHIP DEVELOPMENT	3	A
NREI6D001	MICRO ELECTRONIC MECHANICAL SYSTEMS	3	E
NRGT6A003	GREEN TECHNOLOGY	3	E
NR1K7F001	ESSENCE OF INDIAN KNOWLEDGE TRADITION - II	0	O
NRIS7B001	INDUSTRIAL SAFETY ENGINEERING	3	A
NRME7D001	POWER PLANT ENGINEERING	3	E
NRME7D005	REFRIGERATION AND AIR CONDITIONING AND CRYOGENIC	3	A
NRCV7H203	COMPREHANHIVE VIVA	1	E
NRMP7H201	MINOR PROJECT	3	O
NRSM7H202	SEMINAR-II	1	E

**Semester: SE 8**

Subject Code	Subject Name	Credit	Grade
NRMP8H201	MAJOR PROJECT / INTERNSHIP	6	O

SGPA(SE7): 8.74

CGPA(SE7): 7.97

SGPA(SE8): 10.00

CGPA(SE8): 8.05

Promotional Status: **PASS**

29-07-2022

Date of Publication :

*[Signature]*  
Verified By

*[Signature]*  
Lakshmi Karla Raju  
Controller of Examinations



## EXPLANATORY NOTE

Grading System: A letter grading system shall be followed in the Institute. The uniform Grading System to be followed for all Academic Programmes shall be as described below :

A Eleven Point grading system on base of 10 shall be followed in the Institute. Categorization of these grades and their correlation shall be as under:

Qualification	Grade	Score on 100 Percentage Points	Point
Outstanding	'O'	90 & above upto 100	10
Excellent	'E'	80 & above but less than 90	9
Very Good	'A'	70 & above but less than 80	8
Good	'B'	60 & above but less than 70	7
Fair	'C'	50 & above but less than 60	6
Pass	'D'	40 & above but less than 50	5
Failed	'F'	Below 40	2
Malpractice	'M'	-----	0
Absent	'S'	-----	0
Barred from appearing examination	'X'	-----	0
Incomplete	'I'	-----	0

**N.B.:** Grade C shall be considered as average, Grade D shall be pass Grade for theory and Grade C shall be Pass Grade for Practical / Sessional / Project/ Seminar/ Viva-Voce.

A student's level of competence shall be categorized by a GRADE POINT AVERAGE to be specified as:

- SGPA** - Semester Grade Point Average  
**CGPA** - Cumulative Grade Point Average

Definition of terms:

- a) POINT - Integer equivalent each letter grade.  
b) CREDIT - Integer signifying the relative emphasis of individual course item(s) in a semester as indicated by the Course structure and syllabus.  
c) CREDIT POINT - (b) x (a) for each course item.  
d) CREDIT INDEX -  $\sum \text{CREDIT POINT of course items in a Semester.}$   
e) GRADE POINT -  $\frac{\text{CREDIT INDEX}}{\sum \text{CREDIT}}$

### SEMESTER GRADE POINT AVERAGE (SGPA)

$$\text{SGPA} = \frac{\text{CREDIT INDEX}}{\sum \text{CREDITS for a Semester}}$$

### CUMULATIVE GRADE POINT AVERAGE (CGPA)

$$\text{CGPA} = \frac{\sum \text{CREDIT INDEX of all Previous Semester}}{\sum \text{CREDITS of all Previous Semester}} \text{ upto a Semester}$$

$$\text{Equivalent Percentage of Mark} = (\text{CGPA} - 0.50) \times 10$$