



**STATEMENT OF GRADES AND TEACHING SCHEME**  
**COURSE : Bachelor of Technology [Mechanical Engineering] - COMPLETED**  
**NAME : ACHARYA SHARVIL MAYUR IDENTITY NUMBER : 20MHUOD011**  
**UNIVERSITY CONFERRING THE DEGREE : THIS UNIVERSITY ITSELF, NADIAD**

| SEMESTER / SUBJECT   | DURATION<br>(MONTHS) | LECTURES/RE<br>CITATION | LABORATORY/<br>FIELDWORK/<br>DRAWING | CREDITS | GRADE<br>OBTAINED | SPI  | CPI  | RESULT |
|--|----------------------|-------------------------|--------------------------------------|---------|-------------------|------|------|--------|
| The student has passed the Diploma Course & had directly admitted to the Sem.III of Degree Course. |                      |                         |                                      |         |                   |      |      |        |
| 3 NOV. 2020 To DEC. 2020   |                      |                         |                                      |         |                   |      |      |        |
| MATHEMATICS - III  | 4                    | 4                       | 0                                    | 4       | BC                |      |      |        |
| KINEMATICS OF MACHINES   | 4                    | 4                       | 2                                    | 5       | BC                |      |      |        |
| ENGINEERING THERMODYNAMICS   | 4                    | 4                       | 0                                    | 4       | CC                |      |      |        |
| MATERIAL SCIENCE & METALLURGY  | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| ELECTRICAL MACHINES  | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| MACHINE DRAWING AND INDUST. DRAFT.   | 4                    | 3                       | 3                                    | 4.5     | BB                |      |      |        |
|  |                      |                         |                                      |         |                   | 7.38 | 7.38 | PASS   |
| 4 DEC. 2020 To MAY. 2021   |                      |                         |                                      |         |                   |      |      |        |
| FINANCIAL & MANAGERIAL ACCOUNTING  | 4                    | 3                       | 0                                    | 3       | AB                |      |      |        |
| ADVANCE STRENGTH OF MATERIALS  | 4                    | 4                       | 0                                    | 4       | CC                |      |      |        |
| MANUFACTURING TECHNOLOGY-I   | 4                    | 4                       | 3                                    | 5.5     | BB                |      |      |        |
| FLUID MECHANICS  | 4                    | 4                       | 2                                    | 5       | BC                |      |      |        |
| DYNAMICS OF MACHINE  | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| NUMERICAL TECHNIQUES   | 4                    | 3                       | 2                                    | 4       | BB                |      |      |        |
|  |                      |                         |                                      |         |                   | 7.62 | 7.5  | PASS   |
| 5 JUL. 2021 To DEC. 2021   |                      |                         |                                      |         |                   |      |      |        |
| INTERNAL COMBUSTION ENGINES  | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| MANUFACTURING TECHNOLOGY-II  | 4                    | 3                       | 3                                    | 4.5     | BB                |      |      |        |
| MACHINE DESIGN-I   | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| POWER PLANT ENGINEERING  | 4                    | 4                       | 2                                    | 5       | BC                |      |      |        |
| MECHANICAL MEASUREMENT AND METRO.  | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| FLUID MACHINES   | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
|  |                      |                         |                                      |         |                   | 7.83 | 7.62 | PASS   |
| 6 DEC. 2021 To APR. 2022   |                      |                         |                                      |         |                   |      |      |        |
| CAD-CAM  | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| CONTROL ENGINEERING  | 4                    | 4                       | 2                                    | 5       | BC                |      |      |        |
| HEAT AND MASS TRANSFER   | 4                    | 4                       | 2                                    | 5       | BB                |      |      |        |
| MACHINE DESIGN-II  | 4                    | 4                       | 2                                    | 5       | CC                |      |      |        |
| OPTIMIZATION TECHNIQUES  | 4                    | 4                       | 0                                    | 4       | CD                |      |      |        |
| QUALITY MANAGEMENT & RELIABILITY   | 4                    | 4                       | 2                                    | 5       | AB                |      |      |        |
|  |                      |                         |                                      |         |                   | 7.24 | 7.52 | PASS   |
| 7 JUL. 2022 To NOV. 2022   |                      |                         |                                      |         |                   |      |      |        |
| MECHANICAL VIBRATIONS  | 4                    | 3                       | 2                                    | 4       | CC                |      |      |        |
| PRODUCTION PLANNING AND CONTROL  | 4                    | 3                       | 0                                    | 3       | BC                |      |      |        |
| PRODUCTION TECHNOLOGY  | 4                    | 3                       | 2                                    | 4       | BC                |      |      |        |
| REFRIGERATION AND AIR CONDITIONING   | 4                    | 3                       | 2                                    | 4       | BC                |      |      |        |
| TERM PROJECT   | 4                    | 0                       | 2                                    | 1       | BB                |      |      |        |
| ADVANCED MANUFACTURING PROCESSES   | 4                    | 3                       | 2                                    | 4       | BC                |      |      |        |
| FINITE ELEMENT METHODS   | 4                    | 3                       | 2                                    | 4       | BC                |      |      |        |
|  |                      |                         |                                      |         |                   | 6.88 | 7.41 | PASS   |
| 8 DEC. 2022 To APR. 2023   |                      |                         |                                      |         |                   |      |      |        |
| PROJECT/INDUSTRIAL TRAINING  | 4                    | 0                       | 28                                   | 14      | BC                |      |      |        |
| SEMINAR  | 4                    | 0                       | 8                                    | 4       | AB                |      |      |        |
|  |                      |                         |                                      |         |                   | 7.44 | 7.41 | PASS   |

[] -> Indicates no. of additional attempt/s taken to pass the subject.

CLASS :- FIRST CLASS

STUDENT'S SIGNATURE :

CHECKED BY

CONTROLLER OF EXAMINATIONS  
DATE : March 5, 2024, 2:49 pm



NAAC ACCREDITED



**Dharmsinh Desai University**

College Road, Nadiad - 387001, India. Ph. : +91 0268 2520503 Fax : +91 0268 2520501 Website : www.ddu.ac.in

## 1. SYSTEM OF EVALUATION

- a. Student is awarded a grade on the basis of his/her performance in a subject examination. These grade are described by the letters AA, AB, BB etc. and have a numerical equivalent called the grade point as given below.

| Grade | Grade Points<br>(used in SPI as $G_i$ ) |
|-------|---|
| AA    | 10.00                                   |
| AB    | 09.00                                   |
| BB    | 08.00                                   |
| BC    | 07.00                                   |
| CC    | 06.00                                   |
| CD    | 05.00                                   |
| FF    | 00.00                                   |

- b. The medium of instruction is English.
- c. Subjects with grade FF are taken into consideration while calculating SPI & CPI. FF grades will be replaced only after the clearance of these subjects with passing grade.

2. The performance of the student in a semester is indicated by a number called the Semester Performance Index (SPI). The SPI is the weighted average of the grade points obtained in all the subjects taken by the student during the semester.

Example : Suppose in a given semester a student has taken subjects having credits  $C_1, C_2, C_3, C_4, C_5, \dots$  and the numerical equivalent of grades obtained in those are  $G_1, G_2, G_3, G_4, G_5, \dots$  respectively.

$$SPI = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

SPI will be calculated (after re-examination, if any) up to two decimal places on the basis of the final grades.

Cumulative performance Index (CPI), will be used for award of degree. The CPI is the weighted average of the grade points obtained in all the subjects taken by the student since he/she entered Semester III of the course. It is calculated in the same manner as the SPI from Semester III onwards.

3. Award of Class for B. Tech. Programme :

| CPI         | CLASS                        |
|-------------|------------------------------|
| $\geq 7.50$ | First Class with Distinction |
| 7.00 - 7.49 | First Class                  |
| 6.00 - 6.99 | Second Class                 |
| 5.00 - 5.99 | Pass Class                   |
| $< 5.00$    | Fail                         |

4. Equivalent Percentage to CPI can be calculated as  $(CPI - 0.75) \times 10$
5. Re-exam is to be considered as failure in any all head/s of the corresponding subject/s.
6. Criteria of passing in a subject in the examination of B.Tech. is minimum 40% of the maximum marks individually in each head of passing or minimum 30% of the maximum marks individually in each head of passing provided the total obtained is the minimum 45% of the maximum marks for the subject.