Indian Institute of Technology Palakkad
भारतीय प्रौद्योगिकी संस्थान पालक्काड
Under Ministry of Human Resource Development, Govt. of India
मानव संसाधन विकास मंत्रालय के अधीन, भारत सरकार

IIT PALAKKAD

# CUMULATIVE GRADE CARD

**Name** : AKHILESH A S
**Program** : B. Tech (Mechanical Engineering)
**Roll No** : 131601002
**USID No** : d67f7292-3dea-4479-98a9-b8002d04c07f

**Semester I**

| | Code | Course Title | Cat | Cr | Gr | Att |
|---|---|---|---|---|---|---|
| 1 | CS1100 | Computational Engineering | BET | 4 | B | VG |
| 2 | CY1010 | Chemistry I | SCY | 3 | D | G |
| 3 | ID1100 | Concepts in Engineering Design | BET | 3 | C | VG |
| 4 | MA1010 | Mathematics I | SMA | 4 | B | G |
| 5 | ME1120 | Engineering Drawing | BES | 3 | C | VG |
| 6 | PH1010 | Physics 1 | SPH | 3 | B | G |
| 7 | PH1030 | Physics Laboratory | SPH | 2 | A | VG |
| 8 | WS1010 | Workshop I | BES | 2 | S | VG |

**Semester II**

| | Code | Course Title | Cat | Cr | Gr | Att |
|---|---|---|---|---|---|---|
| 1 | CY1020 | Chemistry II | SCY | 3 | C | G |
| 2 | CY1030 | Chemistry Laboratory | SCY | 2 | B | VG |
| 3 | ID1200 | Ecology and Environment | BET | 2 | B | G |
| 4 | AM1100 | Engineering Mechanics | BET | 4 | B | G |
| 5 | GN1100 | Life Skills | HPF | 2 | P | VG |
| 6 | MA1020 | Mathematics II | SMA | 4 | B | VG |
| 7 | PH1020 | Physics II | SPH | 3 | B | G |
| 8 | ME1100 | Thermodynamics | BET | 3 | B | VG |
| 9 | WS1020 | Workshop II | BES | 2 | A | VG |
| 10 | NS1030 | National Service Scheme | NSS | 0 | X | VG |

**Semester III**

| | Code | Course Title | Cat | Cr | Gr | Att |
|---|---|---|---|---|---|---|
| 1 | EE1100 | Basic Electrical Engineering | BET | 3 | B | G |
| 2 | AM2530 | Foundations of Fluid Mechanics | PMT | 4 | S | G |
| 3 | ME2050 | Machine Drawing Practice | PMT | 4 | C | VG |
| 4 | AM2200 | Strength of Materials | PMT | 4 | A | VG |
| 5 | BT1010 | Life Sciences | SLS | 2 | B | G |
| 6 | HS1090 | Foreign Language: German I | HSS | 3 | C | VG |
| 7 | MA2020 | Differential Equations | SMA | 3 | B | G |

**Semester IV**

| | Code | Course Title | Cat | Cr | Gr | Att |
|---|---|---|---|---|---|---|
| 1 | ME2015 | Kinematics and Dynamics of Machinery | PMT | 4 | D | VG |
| 2 | ME2025 | Measurements, Instrumentation and Control | PMT | 4 | B | VG |
| 3 | ME2035 | Materials and Design | PMT | 4 | D | G |
| 4 | ME2045 | Manufacturing Processes | PMT | 4 | C | G |
| 5 | ME2540 | Applied Mechanics Lab | PML | 2 | A | VG |
| 6 | MA2032 | Numerical Analysis | SMA | 3 | B | G |
| 7 | HS3602 | Philosophy of Technology | HSS | 3 | B | G |

**Semester V**

| | Code | Course Title | Cat | Cr | Gr | Att |
|---|---|---|---|---|---|---|
| 1 | ME3010 | Gas Dynamics | PMT | 3 | C | G |
| 2 | ME3020 | Heat and Mass Transfer | PMT | 4 | C | G |
| 3 | ME3030 | Combustion and IC Engines | PMT | 4 | C | G |
| 4 | ME3040 | Machine Tools and Metrology | PMT | 3 | C | G |
| 5 | ME3050 | Design of Machine Elements | PMT | 3 | B | G |
| 6 | ME3170 | Mechanical Engineering Laboratory | PML | 2 | B | VG |
| 7 | PH4601 | Magnetic Materials and its Applications | GCE | 3 | D | G |

**Semester VI**

| | Code | Course Title | Cat | Cr | Gr | Att |
|---|---|---|---|---|---|---|
| 1 | ME3025 | Mechanical Vibrations | PMT | 3 | A | G |
| 2 | ME3045 | Machine Design Practice | PMT | 3 | C | G |
| 3 | ME3180 | Mechanical Engineering Laboratory | PML | 2 | C | VG |
| 4 | ME3100 | Internship | PMP | 2 | C | VG |
| 5 | ME4501 | Computer Aided Design | PME | 3 | A | G |
| 6 | MA2010 | Complex Variables | GCE | 3 | C | VG |

USID Unique Student Identification Number

P.T.O.

**Semester VII**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | ME4010 | Industrial Engineering and Management | PMT | 3 | D | G |
| 2 | ME4030 | Automation in Manufacturing | PMT | 3 | C | G |
| 3 | ME4170 | Mechanical Engineering Laboratory | PML | 2 | B | VG |
| 4 | ME4150 | Project I | PMP | 3 | C | G |
| 5 | HS3050 | Professional Ethics | HSS | 2 | C | VG |
| 6 | ME3506 | Mechanics and Control of Robotic Manipulators | PME | 3 | C | G |
| 7 | ME3522 | Introduction to Finite Element Methods | GCE | 3 | B | G |

**Semester VIII**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | ME4160 | Project II (Phase 2.1) | PMP | 4 | B | VG |
| 2 | ME4160 | Project II (Phase 2.2) | PMP | 3 | P | VG |
| 3 | ME3020 | Applied Thermofluids Engineering | PMT | 4 | C | G |
| 4 | HS4605 | Foundations of Linguistics | GCE | 3 | C | G |

**Cumulative Grade History:**

| Semester | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Total Credits | 24 | 25 | 23 | 24 | 22 | 16 | 19 | 14 |
| Earned Credits | 24 | 25 | 23 | 24 | 22 | 16 | 19 | 14 |
| GPA | 7.75 | 7.96 | 8.22 | 7.25 | 7.09 | 7.75 | 7.11 | 7.36 |
| CGPA | 7.75 | 7.85 | 7.97 | 7.79 | 7.66 | 7.67 | 7.60 | 7.58 |

GPA/CGPA calculations are based on the successfully completed courses.

**Place & Date of Issue:** Palakkad, 01-07-2020 **Assistant Registrar (Academics)**

***Grades and Grading Procedure:***

Based on the performance in a registered course, each student is awarded a final letter grade at the end of the semester. The letter grades and the corresponding grade points are as follows:

| Grade | Grade Points | Remarks | Grade | Grade Points | Remarks |
|---|---|---|---|---|---|
| S | 10 | Outstanding | U | 0 | Unsuccessful |
| A | 9 | Excellent | W | 0 | Failure due to insufficient attendance |
| B | 8 | Very Good | P | 0 | Pass |
| C | 7 | Good | F | 0 | Fail |
| D | 6 | Average | I | 0 | Incomplete |
| E | 4 | Marginal | X | 0 | Completed NSS requirements |
| | | | Y | 0 | Incomplete (in NSS) |

Letter grade U or W implies failure in the course.

The Grade Point Average (GPA) will be calculated according to the formula:

$$GPA=\Sigma(CixGP_i)/\Sigma Ci$$

where Ci and $GP_i$ are number of credits and the grade point obtained in the ith course taken during the semester.

In the case of cumulative grade point average (CGPA), the credits $C_i$ of all the courses taken in all the semesters until that point in time are considered in the above formula.

CGPA to Percentage conversion formula:

**Percentage of Marks = (10 x CGPA)-5**

The additional courses audited, if any, are awarded grades but not counted towards GPA/CGPA calculations.

**The medium of instruction of courses is English**

***Abbreviations for Course category:***

**BES : Basic Engineering Skills**
**BET : Basic Engineering Theory**
**GCE : General Category Elective**
**HPF : Humanities Pass Fail**
**HSS : Humanities and Social Sciences**
**NSS : National Service Scheme**
**PME : Professional Major Elective**
**PML : Professional Major Laboratory**
**PMP : Professional Major Practice**
**PMT : Professional Major Theory**
**SCY : Science Chemistry**
**SLS : Science Life Science**
**SMA : Science Mathematics**
**SPH : Science Physics**

***Attendance Grade***

| Attendance Rounded to | Remarks | Code |
|---|---|---|
| ≥ 95% | Very Good | VG |
| 85 to 94% | Good | G |
| < 85% | Poor | P |