

Nirma University, Ahmedabad

(Statutory University Established under the State Act and recognized by the University Grants Commission under section 2(f) of the UGC Act, 1956)



NIRMA
UNIVERSITY

NMAC Accredited A Grade

TRANSCRIPT

The statement showing the Semester and Course wise performance of the student



Name of the Institute : Institute of Technology

Programme : B. Tech. in Electronics and Communication Engineering

Duration : 4 years (8 semesters)

| Roll No. | Student's Name | Month & Year of Admission | Month & Year of Completion |
|----------|------------------------|---------------------------|----------------------------|
| 13BEC072 | Patel Geet Mukeshkumar | July - 2013 | January - 2018 |

| Course Code & Title | CG | Cr | Course Code & Title | CG | Cr |
|---|--|----|--|---|----|
| Semester : I | | | Semester : V | | |
| MA101 Calculus | C+ | 4 | EC501 Electromagnetics Engineering | B | 3 |
| CY101 Chemistry | C+ | 3 | EC502 Integrated Circuits and Applications | B | 4 |
| CL101 Environment and Energy Studies | B | 3 | EC503 Microprocessor & Computer Architecture | C | 3 |
| CE101 Art of Programming | C+ | 5 | EC504 Modern Measurement and Instrumentation | C+ | 2 |
| EE101 Elements of Electrical Engineering | C+ | 4 | EC505 Digital Communication | B | 4 |
| HM101 Communication Skills | C+ | 3 | EC506 Digital Signal Processing | C+ | 4 |
| EE102 Electrical Workshop Practices | B+ | 1 | EC507 Microprocessor and Microcontroller Lab | C+ | 1 |
| SP101 Critical Thinking | C+ | - | EC508 Mini Project - I | A | 1 |
| SPI : 6.22 | Credits Earned : 23 | | SS561 Creativity and Innovation | C+ | 2 |
| | | | SP501 Fractional Course | C+ | - |
| | | | SPI : 6.46 | Credits Earned : 24 | |
| Semester : II | | | PPI : 6.42 | Progressive Credits Earned : 113 | |
| MA201 Linear Algebra | C+ | 4 | Semester : VI | | |
| PY101 Physics | C+ | 3 | EC601 Digital System Design | C+ | 4 |
| CL102 Mechanics of Solids | C+ | 5 | EC602 Antenna and Wave Propagation | C | 4 |
| ME101 Engineering Graphics | B+ | 4 | EC603 Fiber Optic Communication | C+ | 4 |
| HM102 English | B+ | 3 | EC611 Digital Integrated Circuit Design | B | 3 |
| ME102 Mechanical Workshop Practices | B+ | 1 | EC642 Satellite Communication | C | 3 |
| SP102 Yog and Meditation | C+ | - | EC605 Mini Project - II | A | 1 |
| SPI : 6.80 | Credits Earned : 20 | | HS005 Technical Writing | B | 3 |
| PPI : 6.49 | Progressive Credits Earned : 43 | | SS562 Law for Engineers | C | 2 |
| | | | SP601 Capstone Course | B | - |
| Semester : III | | | SPI : 6.00 | Credits Earned : 24 | |
| MA303 Vector Calculus, Complex Variables and Differential Equations | C | 4 | PPI : 6.34 | Progressive Credits Earned : 137 | |
| EE321 Network Analysis | C+ | 4 | Semester : VII | | |
| EC301 Electronics Devices and Circuits - I | B | 5 | EC701 Data Communication and Networking | B | 4 |
| IC321 Linear Control System | B | 4 | EC702 Embedded Systems | C | 4 |
| EC302 Digital Circuits | B | 5 | EC703 Microwave Engineering | C | 4 |
| SS341 Economics for Engineers | C | 2 | EC743 Wireless Sensor Network | C+ | 3 |
| SP341 Ethics and Values | B+ | - | EC744 Broadband Network | C | 3 |
| SP344 Community Services | A | - | EC704 Minor Project | B+ | 2 |
| SPI : 6.33 | Credits Earned : 24 | | UEIL007 Forensic Science and Law | C+ | 3 |
| PPI : 6.43 | Progressive Credits Earned : 67 | | SS701 Organizational Behaviour | C+ | 2 |
| Semester : IV | | | SP701 Practical Training | A | - |
| MA401 Probability Distributions and Numerical Methods | C+ | 3 | SPI : 5.88 | Credits Earned : 25 | |
| EC401 Signals and Systems | C+ | 4 | PPI : 6.27 | Progressive Credits Earned : 162 | |
| EC402 Electronics Devices and Circuits - II | C | 4 | Semester : VIII | | |
| EE421 Electrical Machines and Drives | B | 4 | EC801 Major Project | A | 24 |
| EC403 Communication Systems | C+ | 4 | SPI : 9.00 | Credits Earned : 24 | |
| EC404 Electronics Design, Tools and Packages | A | 1 | | | |
| EC405 Seminar | B+ | 1 | | | |
| SS342 ICT Tools and Security | B+ | 1 | | | |
| SP343 Entrepreneurship | A+ | - | | | |
| SPI : 6.32 | Credits Earned : 22 | | | | |
| PPI : 6.40 | Progressive Credits Earned : 89 | | | | |

| Total Credits Earned | Cumulative Performance Index (CPI) | Equivalent % Marks | Class obtained |
|----------------------|------------------------------------|--------------------|----------------|
| 186 | 6.62/ 10 | 61.2 | First Class |

CG = Course Grade

Cr = Credit

SPI = Semester Performance Index

PPI = Progressive Performance Index

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Date : 19/01/2018



Verified by
[Amit Modh]
Office Supdt.

A.S. Patel
Deputy Registrar
(Examination)

- **Medium of Instructions :** English
- **Eligibility Criteria for Admission:**

(i) Higher Secondary Certificate Examination (10+2) or recognized examinations considered equivalent by the University passed with Chemistry, Physics and Mathematics students are admitted in the first semester of the B.Tech. programme. (ii) Diploma Examination in the concerned discipline from Technical Examination Board, Gujarat State or from the Nirma University or recognized examinations considered equivalent by the Nirma University in addition to the Secondary Certificate Examination (10th) passed students are admitted in the third semester of B.Tech. programme.

THE PROVISION OF DIFFERENT RELEVANT REGULATIONS

Performance level of the student in the course

| Grade (G) | Qualitative Meaning (GQ) | Equivalent Grade Point (g) | Grade (G) | Qualitative Meaning (GQ) | Equivalent Grade Point (g) |
|-----------|--------------------------|----------------------------|-----------|--------------------------|----------------------------|
| A+ | Excellent | 10 | B | Good | 7 |
| A | Creditable | 9 | C+ | Satisfactory | 6 |
| B+ | Very Good | 8 | C | Average | 5 |

PASSING STANDARDS

- Minimum passing grade for a course – ‘C’
- Minimum CPI required for passing a programme – 5.00

CALCULATION OF INDICES

PIC -- Performance index for the course = Equivalent grade point (g) corresponding to the course grade

PPI = (Up to any stage under consideration)
 $(i_1 c_1 + i_2 c_2 + i_3 c_3 \dots) / (\text{Sum of credits of all courses registered up to that stage})$,
 where, $i_1, i_2, i_3 \dots$ are PIC values of credit courses passed and $c_1, c_2, c_3 \dots$ are the credit values of the respective courses.

SPI = This index is similar to PPI except that the stage to be considered is the end of a semester.

CPI = This index refers to the entire programme. It is calculated when the student passes the programme. The method of calculation is the same as for PPI or SPI but the summation is for the courses of all semesters of the programme.

All index values will be rounded off to the second place of decimal.

CLASS AND PERCENTAGE MARKS

CPI value, its equivalent class and formula for computing the percentage of marks from the CPI obtained by the student are given below.

| CPI value | Equivalent class | Percentage marks = $(\text{CPI} - 0.5) \times 10$ |
|----------------|------------------------|---|
| 5.00 To 6.49 | Second | |
| 6.50 To 7.49 | First | |
| 7.50 and above | First with Distinction | |

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