

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)



NAAC 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 Instrumentation and Control Engineering

Duration : 4 years (8 semesters)

Roll No.	Student's Name	Month & Year of Admission	Month & Year of Completion
14BIC041	Prajapati Hardikkumar Arvindkumar	July - 2014	May - 2018

Course Code & Title	CG	Cr	Course Code & Title	CG	Cr
Semester : I			Semester : V		
MA101 Calculus	A	4	IC501 Control System Components	B+	3
PY101 Physics	B	3	IC502 Transducers and Measurement	B+	4
CL102 Mechanics of Solids	B+	5	IC503 Digital Signal Processing	A+	4
ME101 Engineering Graphics	B+	4	IC504 Applied Electronics	A	4
HM111 French Language	B	3	IC531 Embedded Controller based Design	B+	4
ME102 Mechanical Workshop Practices	B+	1	IC505 Virtual Instrumentation	A	1
SP102 Yog and Meditation	B+	-	SS562 Law for Engineers	B+	2
SPI : 7.90	Credits Earned : 20		IC506 Mini Project-I	B+	1
Semester : II			SP501 Fractional Course	C	-
MA201 Linear Algebra	B+	4	SPI : 8.57	Credits Earned : 23	
CY101 Chemistry	B+	3	PPI : 8.20	Progressive Credits Earned : 112	
CL101 Environment and Energy Studies	C+	3	Semester : VI		
CE101 Art of Programming	B+	5	IC632 Mechatronics	B+	4
EE101 Elements of Electrical Engineering	B+	4	IC623 Fuzzy Control	B+	3
HM101 Communication Skills	A	3	IC601 Industrial Electronics	B+	5
EE102 Electrical Workshop Practices	B+	1	IC602 Process Control	A	5
SP101 Critical Thinking	C	-	IC603 Virtual Instrumentation Applications	B+	1
SPI : 7.87	Credits Earned : 23		UEIM003 Fundamentals of International Business	B	3
PPI : 7.88	Progressive Credits Earned : 43		SS561 Creativity and Innovation	A	2
Semester : III			IC604 Mini Project-II	A+	1
MA305 Mathematics for Instrumentation and Control Engineers	B+	5	SP601 Capstone Course	C+	-
IC301 Control Theory	B+	4	SPI : 8.25	Credits Earned : 24	
IC302 Digital Logic Design	B+	4	PPI : 8.21	Progressive Credits Earned : 136	
IC303 Analog Electronics	B+	5	Semester : VII		
IC304 Network Analysis and Synthesis	B+	4	IC701 Instrumentation Systems	B+	3
SS342 ICT Tools and Security	A	1	IC702 Process Automation	A	4
SP343 Entrepreneurship	A	-	IC703 Nonlinear and Digital Control	A	4
SPI : 8.04	Credits Earned : 23		IC704 Industrial Drives and Controls	A	4
PPI : 7.94	Progressive Credits Earned : 66		IC705 Minor Project	A	2
Semester : IV			HS016 Applied Literature	B	3
EE422 Applied Electrical Technology	B+	4	IC714 Power Plant Automation	B+	3
IC401 Microprocessors and Micro Controllers	B+	4	SS701 Organizational Behaviour	B+	2
IC402 Signals and Systems	A	3	SP701 Practical Training	B+	-
IC403 Electrical and Electronics Measurement	A	4	SPI : 8.44	Credits Earned : 25	
IC404 Control System Design	A	4	PPI : 8.24	Progressive Credits Earned : 161	
SS341 Economics for Engineers	B+	2	Semester : VIII		
IC405 System Analysis Packages	A	1	IC801 Major Project	A	25
IC406 Seminar	A	1	SPI : 9.00	Credits Earned : 25	
SP341 Ethics and Values	B	-	-----		
SP344 Community Services	A+	-			
SPI : 8.57	Credits Earned : 23				
PPI : 8.10	Progressive Credits Earned : 89				

Total Credits Earned	Cumulative Performance Index (CPI)	Equivalent % Marks	Class obtained
186	8.34/ 10	78.4	First Class with Distinction

CG = Course Grade

Cr = Credit

SPI = Semester Performance Index

PPI = Progressive Performance Index

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Date : 31/05/2018



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Verified by
[Amit Modh]
Office Supdt.

[Signature]

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.

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

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