



# GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD

NR.VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE NR.VISAT THREE ROADS, VISAT - GANDHINAGAR HIGHWAY CHANDKHEDA,  
AHMEDABAD - 382424 - GUJARAT (INDIA).

## TRANSCRIPT (BACHELOR OF ENGINEERING)

ENROLL NO : 100130117024

NAME : SHAH AKSHAT NILESHKUMAR

COLLEGE : GOVERNMENT ENGINEERING COLLEGE, SECTOR - 28, GANDHINAGAR (013)

COURSE : INSTRUMENTATION & CONTROL ENGINEERING



ADMISSION TYPE : Regular

CODE	SUBJECT NAME	TH	PT	CR	GR	EXAM	CODE	SUBJECT NAME	TH	PT	CR	GR	EXAM
						HRS/WEEK							HRS/WEEK
SEM : 1						TRIAL : 1						SPI : 6.10	
110002	Communication Skills	1	2	3	CC	W2010	110004	Elements Of Civil Engineering	4	2	6	CC	W2010
110005	Elements Of Electrical Engineering	4	2	6	CC	W2010	110006	Elements Of Mechanical Engineering	4	2	6	CC	W2010
110008	Maths - I	3	0	5	CD	W2010	110012	Workshop	0	4	4	BB	W2010
SEM : 2						TRIAL : 2						SPI : 6.00	
110003	Computer Programming And Utilization	2	4	6	CC	S2011	110007	Environmental Studies	3	0	3	BB	S2011
110009	Maths - II	3	0	5	BC	S2011	110010	Mechanics Of Solids	3	2	5	BB	S2011
110011	Physics	3	2	5	AB	S2011	110013	Engineering Graphics	2	4	6	CD	W2011
SEM : 3						TRIAL : 1						SPI : 7.40	
130001	Mathematics-III	3	0	5	AB	W2011	130701	Digital Logic Design	4	2	6	BC	W2011
130901	Circuits And Networks	4	2	6	BC	W2011	131101	Basic Electronics	4	2	6	CC	W2011
131701	Electrical Machines	3	0	3	BC	W2011	131702	Simulation And Design Tools	0	2	2	AB	W2011
131703	Instrumentation Workshop	0	2	2	AB	W2011							
SEM : 4						TRIAL : 1						SPI : 6.77	
140001	Mathematics-IV	3	0	5	BC	S2012	140002	Management-I	2	0	2	CC	S2012
140302	Physiological Measurement Techniques	4	2	6	CC	S2012	140701	Microprocessor And Interfacing	3	2	5	CC	S2012
141701	Control Theory	4	2	6	BC	S2012	141101	Advance Electronics	4	2	6	BB	S2012
SEM : 5						TRIAL : 1						SPI : 6.10	
150001	Management - II	2	0	2	CC	W2012	150304	Modelling & Simulation Of Biological Systems	4	2	6	CD	W2012
151001	Microcontroller And Interfacing	3	2	5	CC	W2012	151701	Industrial Measurement	3	0	3	CC	W2012
151702	Sensors And Signal Conditioning	3	2	5	BC	W2012	151703	Electronics In Industries	3	2	5	CC	W2012
151705	Practices In Measurement	0	4	4	BC	W2012							
SEM : 6						TRIAL : 1						SPI : 6.73	
161701	Instrumentation System	4	2	6	CD	S2013	161702	Process Control	4	2	6	BC	S2013
161703	Control System Components	3	0	3	BC	S2013	161704	Analog And Digital Communication	3	2	5	BC	S2013
161705	Instrumentation Measurement - II	4	2	6	BC	S2013	161706	Practices In Instrumentation And Control	0	4	4	BB	S2013
SEM : 7						TRIAL : 1						SPI : 7.88	
170001	Project - I	0	4	4	AB	W2013	171701	Control System Design	4	2	6	BB	W2013
171702	Programmable Automation Controller	4	2	6	BC	W2013	171703	Industrial Data Communication	4	0	4	CC	W2013
171704	Digital Signals & Systems	4	0	4	AA	W2013	171705	Instrumentation For Bio Medical Application	4	2	6	BC	W2013
1990001	Contributor Personality Development	4	0	4	AB	W2013							
SEM : 8						TRIAL : 1						SPI : 8.20	
181701	Control Systems Architecture	4	2	6	BB	S2014	181702	Motion Control	4	2	6	CC	S2014
181703	Project -II	0	18	18	AB	S2014							

THIS IS TO CERTIFY THAT **SHAH AKSHAT NILESHKUMAR** HAS CLEARED HIS/HER (BACHELOR OF ENGINEERING) IN BRANCH INSTRUMENTATION & CONTROL ENGINEERING WITH CGPA OF **7.25** in MAY 2014 .



REGISTRAR



## SYSTEM OF EVALUATION AND AWARD OF DEGREE (BE / B.PHARM)

1. On the basis of his/her performance in examinations, assignments, practical exam (if any) student is awarded a grade. These grades are described by the letters AA, AB, BB etc. and have a numerical equivalent called the grade point as given below:

GRADE	AA	AB	BB	BC	CC	CD	DD	FF
POINTS	10	09	08	07	06	05	04	00

- The medium of Instruction is English.-
- The grade FF is taken into consideration while calculating SPI & CPI, however, these will be replaced only after the clearance of the subject with the 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 C1, C2, C3, C4, C5 ..... And the numerical equivalent of grades obtained in those subjects are G1,G2,G3,G4,G5..... respectively.

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

An up-to-date assessment from the time the student entered the course is obtained by calculating Cumulative Performance index (CPI). The CPI is the weighted average of the grade points obtained in all the subjects taken by the student since he/she entered the course. It is calculated in the same manner as the SPI. The CGPA is the weighted average of the grade points obtained in all the subjects in the last four semester of the course.

3. Backlog indicates failure in respective subjects. For continuation of study maximum 4 backlogs are permitted, excluding backlog in immediate previous semester.

4. **Abbreviations:**

\*E: External Exam \*M: test/Quizzes/mid terms and /or assignments etc. conducted by college.

\*I: Internal \*V: Viva/Practical #: Absent Y: Yes

RG\_NO: Regular exam held in Year RM\_NO: Remedial exam held in Year

CR: Credit Earn for subject GR: Grade based on performance

TH: Theory hours per week PT: Practical hours per week and/or Tutorial hours per week.

EXAM: Examinations held by university

WI\_NO: Winter examinations held in year (Odd semester Regular/Even semester Remedial)

SU\_NO: Summer examination held in year (Even semester Regular/Odd semester Remedial)

ADMISSION: Regular: 12<sup>th</sup> science passed entry at 1<sup>st</sup> year

D2D: Diploma holder of relevant branch, lateral entry at 2<sup>nd</sup> year (3<sup>rd</sup> semester of degree course)

5. An equation to find equivalency between CPI/CGPA may be obtained as follow:

Percentage Marks = (CPI/CGPA — 0.5) x 10.

CPI/CGPA Equivalent Class shall be as follow:

CPI/CGPA	Below 5.5	5.5 & above	6.5 & above	7.1 & above
CLASS	Pass class	Second class	First class	First class with distinction

6. For all courses, where the duration of the course is more than 2 years, the degree shall be awarded to the students on the basis of CGPA (Cumulative Grade Point Average) of the last four semester's performance in the exams.
- In case of the courses where duration is of two years, the degree shall be conferred to students based upon CPI (Cumulative Performance Index) considering all the four semesters performance.
7. For B.pharm semester 7 and 8, 1.5 Hours of practical teaching is equivalent to 1 credit.

