



# 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)

Token No: 220222337182-156TZ1

ENROLL NO : 181290107054

NAME : THAKKAR HETAN NAYANBHAI

COLLEGE : GYANMANJARI INSTITUTE OF TECHNOLOGY (129)

COURSE : COMPUTER ENGINEERING



ADMISSION TYPE : Regular

CODE	SUBJECT NAME	TH	PT	TC	CR	GR	EXAM	CODE	SUBJECT NAME	TH	PT	TC	CR	GR	EXAM
HRS/WEEK								HRS/WEEK							
SEM : 1		TRIAL : 1										SPI : 7.60			
3110002	English	2	2	0	3	BB	W2018	3110003	Programming for Problem Solving	3	2	0	4	BC	W2018
3110005	Basic Electrical Engineering	3	2	0	4	BB	W2018	3110013	Engineering Graphics & Design	2	4	0	4	BC	W2018
3110014	Mathematics – I	3	0	2	5	BB	W2018	3110017	Induction Program	0	0	0	0	PS	W2018
SEM : 2		TRIAL : 1										SPI : 7.68			
3110006	Basic Mechanical Engineering	3	2	0	4	BC	S2019	3110007	Environmental Sciences	2	2	2	0	PS	S2019
3110012	Workshop/ Manufacturing Practices	0	4	0	2	BC	S2019	3110015	Mathematics –2	3	0	2	5	BB	S2019
3110016	Basic Electronics	3	2	0	4	BB	S2019	3110018	Physics	3	2	0	4	BB	S2019
SEM : 3		TRIAL : 1										SPI : 7.96			
3130004	Effective Technical Communication	2	2	0	3	BB	W2019	3130006	Probability and Statistics	3	0	2	5	BC	W2019
3130007	Indian Constitution	2	0	0	0	PS	W2019	3130008	Design Engineering - I A	0	2	0	1	AA	W2019
3130702	Data Structures	3	4	0	5	AB	W2019	3130703	Database Management Systems	4	2	0	5	AB	W2019
3130704	Digital Fundamentals	3	2	0	4	CC	W2019								
SEM : 4		TRIAL : 1										SPI : 9.04			
3140005	Design Engineering 1 B	0	2	0	1	AA	S2020	3140702	Operating System	4	2	0	5	AB	S2020
3140705	Object Oriented Programming -I	4	2	0	5	AB	S2020	3140707	Computer Organization & Architecture	3	2	0	4	AB	S2020
3140708	Discrete Mathematics	3	0	2	5	AB	S2020	3140709	Principles of Economics and Management	3	0	0	3	AB	S2020
SEM : 5		TRIAL : 1										SPI : 8.22			
3150001	Design Engineering - II A	0	2	0	1	AA	W2020	3150004	Contributor Personality Development Program	2	0	0	2	AA	W2020
3150703	Analysis & Design of Algorithms	4	2	0	5	BC	W2020	3150709	Professional ethics	3	0	0	3	BC	W2020
3150710	Computer Networks	4	2	0	5	BB	W2020	3150711	Software Engineering	3	2	0	4	AB	W2020
3150714	Cyber Security	2	2	0	3	AB	W2020								
SEM : 6		TRIAL : 1										SPI : 9.04			
3160001	Design Engineering II A	0	2	0	1	AA	S2021	3160002	Contributor Personality Development Program	2	0	0	2	AB	S2021
3160704	Theory of Computation	4	2	0	5	AB	S2021	3160707	Advanced Java Programming	3	2	0	4	AB	S2021
3160712	Microprocessor and Interfacing	3	2	0	4	AB	S2021	3160713	Web Programming	3	2	0	4	AB	S2021
3160716	IOT and its applications	2	2	0	3	AB	S2021								
SEM : 7		TRIAL : 1										SPI : 8.33			
3170001	Summer Internship	0	4	0	2	AA	W2021	3170701	Compiler Design	3	2	0	4	AB	W2021
3170710	Mobile Computing and Wireless communication	3	0	0	3	BB	W2021	3170716	Artificial Intelligence	3	2	0	4	BB	W2021
								3170720	Information security	3	2	0	4	BB	W2021
3170722	Big Data Analytics	3	2	0	4	BB	W2021	3170726	Mobile Application Development	2	2	0	3	BB	W2021
SEM : 8		TRIAL : 1										SPI : 10.00			
3180701	Internship/Project	0	24	0	12	AA	S2022								

THIS IS TO CERTIFY THAT **THAKKAR HETAN NAYANBHAI** HAS CLEARED HIS/HER (BACHELOR OF ENGINEERING) IN BRANCH **COMPUTER ENGINEERING** WITH CGPA OF **8.74** in Jun 2022 .



*[Signature]*

REGISTRAR



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

- 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.
- 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.

- 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)

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

Percentage Marks =  $(\text{CPI/CGPA} - 0.5) \times 10$ .

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

- 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.
- For B.pharm semester 7 and 8, 1.5 Hours of practical teaching is equivalent to 1 credit.

