



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: 240321217009-113TZ5

ENROLL NO : 170010107059  
NAME : SHETH RAHUL ASHWIN  
COLLEGE : A. D. PATEL INSTITUTE OF TECHNOLOGY, KARAMSAD (001)  
COURSE : COMPUTER 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 : 8.50	
2110002	Communication Skills	2	2	4	BB	W2017	2110003	Computer Programming and Utilization	3	3	6	AB	W2017		
2110005	Elements of Electrical Engineering	4	2	6	AB	W2017	2110011	Physics	3	2	5	AB	W2017		
2110013	Engineering Graphics	2	4	6	BC	W2017	2110014	Calculus	3	2	5	AB	W2017		
SEM : 2							TRIAL : 1							SPI : 8.75	
2110006	Elements of Mechanical Engineering	4	2	6	BB	S2018	2110007	Environmental Studies	3	0	3	BB	S2018		
2110015	Vector Calculus & Linear Algebra	3	2	5	AB	S2018	2110016	Basic Electronics	4	2	6	BB	S2018		
2110017	Electrical and Electronics Workshop	0	4	4	AA	S2018	2990001	Contributor Personality Development	4	0	4	AA	S2018		
SEM : 3							TRIAL : 1							SPI : 8.09	
2130002	Advanced Engineering Mathematics	3	0	5	AB	W2018	2130004	Engineering Economics and Management	3	0	3	AB	W2018		
2130005	Design Engineering - I A	0	3	3	AB	W2018	2130702	Data Structure	4	4	8	BC	W2018		
2130703	Database Management Systems	4	4	8	BB	W2018	2131004	Digital Electronics	4	2	6	BB	W2018		
SEM : 4							TRIAL : 1							SPI : 8.79	
2140002	Design Engineering - I B	0	3	3	AB	S2019	2140702	Operating System	4	2	6	BB	S2019		
2140705	Object Oriented Programming With C++	4	4	8	AB	S2019	2140706	Numerical and Statistical Methods for Computer Engineering	3	2	5	AA	S2019		
2140707	Computer Organization	4	0	5	AB	S2019	2140709	Computer Networks	4	2	6	BB	S2019		
SEM : 5							TRIAL : 1							SPI : 9.00	
2150001	Design Engineering - II A	0	3	3	AA	W2019	2150002	Institute Elective - Cyber Security	0	2	3	AA	W2019		
2150703	Analysis and Design of Algorithms	4	2	6	AB	W2019	2150704	Object Oriented Programming using JAVA	4	2	6	AB	W2019		
2150707	Microprocessor and Interfacing	4	2	6	BB	W2019	2150708	System Programming	4	2	6	AB	W2019		
SEM : 6							TRIAL : 1							SPI : 8.69	
2160001	Design Engineering - II B	0	3	3	AA	S2020	2160701	Software Engineering	4	2	6	AB	S2020		
2160703	Computer Graphics	4	2	6	AB	S2020	2160704	Theory of Computation	3	0	3	BC	S2020		
2160707	Advanced Java	4	2	6	BB	S2020	2160708	Web Technology	3	2	5	AB	S2020		
SEM : 7							TRIAL : 1							SPI : 9.39	
2170002	Project - I	0	5	5	AA	W2020	2170701	Compiler Design	4	2	6	AB	W2020		
2170709	Information and Network Security	4	2	6	AA	W2020	2170710	Mobile Computing and Wireless Communication	4	2	6	AB	W2020		
2170715	Data Mining and Business Intelligence	3	2	5	AB	W2020									
SEM : 8							TRIAL : 1							SPI : 9.22	
2180703	Artificial Intelligence	4	2	6	AA	S2021	2180706	Project (Phase-II)	0	16	16	AB	S2021		
2180711	Python Programming	3	2	5	AB	S2021									

THIS IS TO CERTIFY THAT SHETH RAHUL ASHWIN HAS CLEARED HIS/HER (BACHELOR OF ENGINEERING) IN BRANCH COMPUTER ENGINEERING WITH CGPA OF 9.07 in Jul 2021 .



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.

