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)

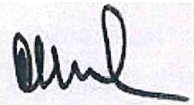Token No: 130624608633-3TZ1

ENROLL NO : 201430142102
NAME : TRIVEDI JAINUL AMITBHAI
COLLEGE : NEW L.J. INSTITUTE OF ENGINEERING & TECHNOLOGY (143)
COURSE : COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

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 : 9.32**
3110006	Basic Mechanical Engineering	3	2	0	4	BB	W2020	3110012	Workshop/ Manufacturing Practices	0	4	0	2	AA	W2020
3110014	Mathematics - 1	3	0	2	5	AB	W2020	3110016	Basic Electronics	3	2	0	4	AA	W2020
3110017	Induction Program	0	0	0	0	PS	W2020	3110018	Physics	3	2	0	4	AA	W2020
SEM : 2							**TRIAL : 1**								**SPI : 10.00**
3110002	English	2	2	0	3	AA	S2021	3110003	Programming for Problem Solving	3	2	0	4	AA	S2021
3110005	Basic Electrical Engineering	3	2	0	4	AA	S2021	3110007	Environmental Sciences	2	0	2	0	PS	S2021
3110013	Engineering Graphics & Design	2	4	0	4	AA	S2021	3110015	Mathematics - 2	3	0	2	5	AA	S2021
SEM : 3							**TRIAL : 1**								**SPI : 8.78**
3130004	Effective Technical Communication	2	2	0	3	AB	W2021	3130006	Probability and Statistics	3	0	2	5	CC	W2021
3130007	Indian Constitution	2	0	0	0	PS	W2021	3130008	Design Engineering - I A	0	2	0	1	AA	W2021
3130703	Database Management System	4	2	0	5	AB	W2021	3130704	Digital Fundamentals	3	2	0	4	AA	W2021
3134201	Data Structures and Algorithms	3	4	0	5	AA	W2021								
SEM : 4							**TRIAL : 1**								**SPI : 9.30**
3140005	Design Engineering 1 B	0	2	0	1	AB	S2022	3140702	Operating System	4	2	0	5	AB	S2022
3140705	Object Oriented Programming -I	4	2	0	5	BB	S2022	3143201	Data Communication and Computer Networks	4	2	0	5	AA	S2022
3144201	Engineering Economics	3	0	0	3	AA	S2022	3144202	Discrete Mathematics and Graph Theory	3	0	1	4	AA	S2022
SEM : 5							**TRIAL : 1**								**SPI : 9.29**
3150001	Design Engineering - II A	0	2	0	1	AA	W2022	3150004	Contributor Personality Development Program	2	0	0	2	AA	W2022
3154201	Optimization Techniques	3	0	0	3	BC	W2022	3154202	Fundamentals of Artificial Intelligence	4	2	0	5	AA	W2022
3154203	Machine Learning Essentials	4	2	0	5	AA	W2022	3154205	Web Application Development	3	2	0	4	BB	W2022
3154206	Python Programming	3	2	0	4	AA	W2022								
SEM : 6							**TRIAL : 1**								**SPI : 9.61**
3160001	Design Engineering II B	0	2	0	1	AB	S2023	3160002	Contributor Personality Development Program	2	0	0	2	AA	S2023
3164201	Image Processing	3	2	0	4	AA	S2023	3164202	Agile Software Development & Devops	3	2	0	4	AA	S2023
3164203	Theory of Computation	3	2	0	4	AB	S2023	3164206	Internet of Things	3	2	0	4	AA	S2023
3164207	Cyber Crime and Mitigation	3	2	0	4	AB	S2023								
SEM : 7							**TRIAL : 1**								**SPI : 9.67**
3174201	Deep Learning: Principles and Practices	4	2	0	5	AA	W2023	3174202	Cryptography and Network Security	4	2	0	5	AB	W2023
								3174203	AI in HealthCare & Fintech	3	0	0	3	AA	W2023
3174205	Natural Language Processing	3	2	0	4	AA	W2023	3174207	Big Data Analytics	3	2	0	4	AA	W2023
3174210	Enterprise Resource Planning	2	2	0	3	AB	W2023								
SEM : 8							**TRIAL : 1**								**SPI : 9.00**
3184201	Internship/Project	0	24	0	12	AB	S2024								

THIS IS TO CERTIFY THAT **TRIVEDI JAINUL AMITBHAI** HAS CLEARED HIS/HER (BACHELOR OF ENGINEERING) IN BRANCH COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) WITH CGPA OF **9.45** in Jun 2024 .

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: 12th science passed entry at 1st year
             D2D: Diploma holder of relevant branch, lateral entry at 2nd year (3rd 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.