



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: 080921276760-231TZ1

ENROLL NO : 171310109055
NAME : SIDDARATH VATS
COLLEGE : Adani Institute of Infrastructure Engineering (131)
COURSE : ELECTRICAL 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 : 6.21	
2110002	Communication Skills	2	2	4	CC	W2017	2110005	Elements of Electrical Engineering	4	2	6	CC	W2017		
2110006	Elements of Mechanical Engineering	4	2	6	BC	W2017	2110007	Environmental Studies	3	0	3	CC	W2017		
2110011	Physics	3	2	5	CC	W2017	2110014	Calculus	3	2	5	CC	W2017		
SEM : 2							TRIAL : 1							SPI : 7.23	
2110003	Computer Programming and Utilization	3	3	6	BC	S2018	2110013	Engineering Graphics	2	4	6	CC	S2018		
2110015	Vector Calculus & Linear Algebra	3	2	5	CC	S2018	2110016	Basic Electronics	4	2	6	BB	S2018		
2110017	Electrical and Electronics Workshop	0	4	4	AB	S2018	2990001	Contributor Personality Development	4	0	4	BB	S2018		
SEM : 3							TRIAL : 3							SPI : 4.52	
2130002	Advanced Engineering Mathematics	3	0	5	BC	W2019	2130004	Engineering Economics and Management	3	0	3	DD	S2019		
2130005	Design Engineering - I A	0	3	3	AA	W2018	2130901	Circuits and Networks	4	2	6	BC	W2018		
2130902	Analog Electronics	3	2	5	BC	W2018	2130903	Electrical Measurement and Measuring Instruments	3	2	5	CC	S2019		
2130904	DC Machines and Transformer	4	2	6	BC	W2018									
SEM : 4							TRIAL : 1							SPI : 6.91	
2140002	Design Engineering - I B	0	3	3	AB	S2019	2140906	AC Machines	4	2	6	BC	S2019		
2140907	Applied Thermal and Hydraulic Engineering	3	0	3	CC	S2019	2140908	Electrical Power Generation	4	2	6	CC	S2019		
2140910	Digital Electronics	3	2	5	BB	S2019	2140909	Field Theory	3	0	5	BC	S2019		
							2141005	Signals and Systems	3	2	5	CC	S2019		
SEM : 5							TRIAL : 1							SPI : 7.37	
2150001	Design Engineering - II A	0	3	3	AA	W2019	2150002	Institute Elective - Cyber Security	0	2	3	AA	W2019		
2150903	Power Electronics – I	3	2	5	BC	W2019	2150904	Elements of Electrical Design	2	2	4	CC	W2019		
2150907	Microprocessor and Microcontroller Architecture & Interfacing	4	2	6	BC	W2019	2150908	Electrical Power System – I	3	0	3	CC	W2019		
							2150909	Control System Engineering	4	2	6	BC	W2019		
SEM : 6							TRIAL : 1							SPI : 8.03	
2160001	Design Engineering - II B	0	3	3	AA	S2020	2160902	Power Electronics – II	3	2	5	BB	S2020		
2160904	High Voltage Engineering	3	2	5	BC	S2020	2160907	Utilization of Electrical Energy and Traction	3	0	3	BB	S2020		
2160908	Electrical Power system – II	3	2	5	BB	S2020	2160912	Design of DC Machines and Transformer	3	2	5	BB	S2020		
2160913	Control of Electrical Drives	3	2	5	BB	S2020									
SEM : 7							TRIAL : 1							SPI : 8.52	
2170004	Project - I	0	8	8	AA	W2020	2170901	Inter Connected Power System	3	2	5	BB	W2020		
2170908	Switch Gear and Protection	4	2	6	BC	W2020	2170909	Design of AC Machines	3	2	5	BB	W2020		
2170913	Industrial Instrumentation	3	2	5	AB	W2020									
SEM : 8							TRIAL : 1							SPI : 9.86	
2180901	Testing and Commissioning of Electrical Equipments	3	2	5	AA	S2021	2180903	Power System Planning and Design	3	2	5	AA	S2021		
							2180905	Project	0	10	10	AA	S2021		
2180909	Power System Operation and Control	4	0	4	AB	S2021	2180911	Power Quality and Management	3	2	5	AA	S2021		

THIS IS TO CERTIFY THAT **SIDDARATH VATS** HAS CLEARED HIS/HER (BACHELOR OF ENGINEERING) IN BRANCH ELECTRICAL ENGINEERING WITH CGPA OF **8.43** 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 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/Inid 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)

- 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.

