Indian Institute of Technology Madras

B.Tech. Grade Card

Roll No: EE16B044 **Name: VISHNU B**

Department: Electrical Engineering

B.Tech Electrical Engineering

First Semester (JUL-NOV 2016)

Course	Title	Cat	Cr	Gr	Att
CY1001	Chemistry: Structure, Bonding & Reactivity	S	10	A	VG
CY1002	Chemistry Lab I	S	3	A	VG
EE1103	Numerical Methods	E	12	A	VG
GN1101	Life Skills 1	S	0	P	VG
ID1200	Ecology and Environment	S	0	P	G
MA1101	Functions of Several Variables	S	10	A	VG
PH1010	Physics I	S	10	A	VG
PH1030	Physics Laboratory I	S	4	A	VG

Earned Credit:49 GPA:9 CGPA:9

Second Semester (JAN-MAY 2017)

Course	Title	Cat	Cr	Gr	Att
EE1101	Signals and Systems	E	10	A	VG
EE2001	Digital Systems & Lab	P	16	A	VG
GN1102	Life Skills 2	S	0	P	VG
HS4450	Introduction to European Philosophy	H	9	A	G
MA1102	Series and Matrices	S	10	A	VG
NS1030	NSS	S	0	P	G
PH1020	Physics II	S	10	A	VG

Earned Credit:55 GPA:9 CGPA:9

Summer (SUMMER 2017)

Course	Title	Cat	Cr	Gr	Att
WS1301	Workshop-I	E	3	S	VG
WS1302	Workshop-II	E	3	A	VG

Earned Credit:6 GPA:9.5 CGPA:9.03

Third Semester (JUL-NOV 2017)

Course	Title	Cat	Cr	Gr	Att
EE2015	Electric Circuits & Networks	P	11	B	G
EE2016	Microprocessor Theory+Lab	P	12	A	VG
EE2025	Engineering Electromagnetics	E	10	C	VG
HS3002C	Principles of Economics	H	9	B	VG
MA2031	Linear Algebra for Engineers	S	9	C	VG

Earned Credit:51 GPA:7.86 CGPA:8.66

Fourth Semester (JAN-MAY 2018)

Course	Title	Cat	Cr	Gr	Att
EE2004	Digital Signal Processing	P	11	B	VG
EE2005	Electrical Machines and Lab	P	15	C	VG
EE2019	Analog Systems and Lab	P	17	B	G
EE2703	Applied Programming Lab	P	6	A	VG
EE3001	Solid State Devices	P	11	B	VG

Earned Credit:60 GPA:7.85 CGPA:8.44

Fifth Semester (JUL-NOV 2018)

Course	Title	Cat	Cr	Gr	Att
EE3004	Control Engineering	P	11	B	VG
EE3005	Communication Systems	P	10	E	VG
EE3006	Principles of Measurement	P	8	A	VG
MA2040	Probability, Statistics and Stochastic Process	S	9	B	VG

Earned Credit:38 GPA:7.16 CGPA:8.25

Sixth Semester (JAN-MAY 2019)

Course	Title	Cat	Cr	Gr	Att
EE3007	RF and Optical Communication	P	9	B	G
EE3402	Sensing Techniques and Sensor Systems	P	11	A	VG
EE3500	Industrial Training (summer)	P	0	P	VG
EE5121	Convex Optimization	P	12	B	VG
EE6150	Stochastic Modeling and the Theory of Queues	P	12	B	VG
EE6418	Dynamic Games: Theory and Applications	P	9	B	VG
ME3100	Basic Thermal Engineering	E	10	A	VG

Earned Credit:63 GPA:8.33 CGPA:8.27

Seventh Semester (JUL-NOV 2019)

Course	Title	Cat	Cr	Gr	Att
BT1010	Life Sciences	S	9	A	VG
CH5350	Applied Time Series Analysis	P	9	B	G
EE4371	Introduction to Data Structures and Algorithms	P	9	A	G
EE6180	Advanced Topics in Artificial Intelligence	P	9	A	G
HS3420	China in Contemporary Global Politics	H	9	A	G

Earned Credit:45 GPA:8.8 CGPA:8.33

Eighth Semester (JAN-MAY 2020)

Course	Title	Cat	Cr	Gr	Att
CS4410	Topics in Alg. Combinatorics & Gr.Theory	P	12	S	VG
EE3110	Probability Foundations for Electrical Engineers	P	12	A	VG
EE4900	B.Tech Project	P	27	A	G
HS3050	Professional Ethics	H	0	P	G

Earned Credit:51 GPA:9.24 CGPA:8.44

Transfer Credits ϕ

NPTEL	6 FRE - Design & Analysis of Algorithms	6
NPTEL	6 S - Graph Theory	6

Cumulative Grade Point Average (CGPA) Summary

Cat	Engineering (E)	Professional (P)	Humanities (H)	Science (S)	Total
Min.Rq.Cr.*	**48**	**182**	**27**	**84**	**430**
E.Cr.	**48**	**259**	**27**	**84**	**418**
CGPA	**8.65**	**8.31**	**8.67**	**8.68**	**8.44**

* Indicated credits are minimum requirements under each category. In addition, students are required to earn additional elective credits as per the curriculum under the above categories to meet the total credit requirement for award of Degree.

ϕ Transfer credits are not included in Earned Credits and not considered for CGPA calculation. Transfer credits + Earned Credits should meet the Total Credit requirement.

Cumulative grade point average secured considering only the successfully completed courses(credits) is **8.44**

Min.Rq.Cr. = Credits required for award of degree. E.Cr. = Earned credit till date of issue of grade card.

Jayasri Sridhar

Assistant Registrar / Deputy Registrar / Joint Registrar
(Academic Courses)

Date : 17 JUL 2020

B.TECH.

Grade		Remarks
Code	Points	
S	10	—
A	9	—
B	8	—
C	7	—
D	6	—
E	4	—
U	0	—
P	0	Pass
F	0	Fail
W	0	Failure due to insufficient attendance in course
I	0	Withheld

Attendance Code w.e.f. Jul-Nov 2009		
Attendance Rounded to %	Remarks	Code
≥ 95%	Very Good	VG
85 - 94 %	Good	G
< 85%	Poor	P

Grades 'S' to 'E' and 'P' indicate successful completion of course.

The grade of course(s) under the Pass/Fail category are not included towards CGPA calculation.

For award of Degree, the student has to earn the minimum credits mentioned under the "Total" and also satisfy the category-wise credit requirement as per *CGPA* summary table in the front page.

$$\text{CGPA} = \frac{\sum_i (C_i \times GP)}{\sum_i C_i}$$

Where C_i is the credit of the Course

GP is the Grade Point for that course, and

$\sum_i$ is the sum over all registered courses successfully cleared during all the semesters including those in which the student obtained 'U' and 'W' grades but not cleared.

The medium of instruction is English at this Institute.

Note : No Class or Division is awarded at this Institute. However, Senate has approved the formula **"PERCENTAGE = 55 + 10 (CGPA - 6)"** for converting CGPA to percentage

Indian Institute of Technology Madras

hereby confers the degree of

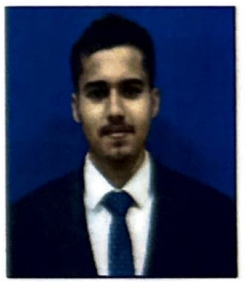
Bachelor of Technology

in

Electrical Engineering

on

VISHNU B



EE16B044

Given this day the Seventeenth of July, 2020
under the seal of the Institute.

Registrar

Director

Chairman, Board of Governors

CHECKED

ASST. AR /DR