September 4, 2023

This is to certify that **Mr. HARISHANKAR M**, Roll No. **EE21BTECH11022** is a bonafide student of IIT Hyderabad and pursuing his **III** year of BTech program in Electrical Engineering.

BTech Electrical Engineering

Course No	Course Name	Grade	Credits
CY1018	Environmental Chemistry Theory	A	2.00
EE1100	Introduction to Electrical Engineering	B	1.00
EE1101	Circuits and Network Analysis	A	3.00
EP1108	Modern Physicsp	A-	2.00
ID1063	Introduction to Programming	B	3.00
LA1760	Communication Skills	A	2.00
MA1110	Calculus-I	A-	1.00
MA1220	Calculus-II	B	1.00
BT1010	Introduction to Life Sciences	A-	1.00
EE1200	Electrical Circuits Lab	A	2.00
EE1201	Digital Systems	A-	3.00
EE1203	Vector Calculus	B	1.00
EE1205	Signals and Systems	A	3.00
ID1050	Artificial Intelligence	B-	1.00
ID1054	Digital Fabrication	A-	2.00
MA1150	Differential Equations	A	1.00
MA2130	Complex Variables	B-	1.00
EE2100	Matrix Theory	A-	3.00
EE2101	Control Systems	A+	3.00
EE2102	Probability and Random Processes	A-	3.00
EE2104	Semiconductor Device Fundamentals	A-	3.00
EE2301	Electronic Devices and Circuits Lab	A	2.00
LA1770	Personality Development	A-	1.00
CH6020	Sustainable Energy	A	1.00
EE1204	Engineering Electromagnetics	A	2.00
EE2200	Electrical Machines	A	3.00
EE2400	Analog Electronics	A-	3.00
EE2600	Power System Analysis	B	3.00
EE2800	Digital Signal Processing	B	3.00
EE2801	DSP Lab	A	2.00
EM3020	Introduction to Entrepreneurship	A+	1.00
LA1890	Understanding the Rural	A	1.00

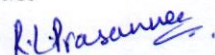**CGPA: 9.19** (Up to IV Semester (Jan23-May23))

उप कुलसचिव / Deputy Registrar
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Deputy Registrar (Academics)

Additional courses:

Course No.	Course Name	Grade	Credits
CA1023	Introduction to Karnatic Music	A	1.00
LA1210	Spoken Japanese Basics	B	1.00
CA1024	Indian Classical Dance	A	1.00

Grading System:

Grade	A+	A	A-	B	B-	C	C-	D	AU	S	U	F
Points	10	10	9	8	7	6	5	4	0	0	0	0

Note: **A+** (Outstanding Performance in the Course, typically in the top 2% of the Class), **AU**(Audit), **S**(Satisfactory), **U**(Unsatisfactory), **F**(Fail), **BM:** Biomedical, **BO:** Biotechnology, **CA:** Creative Arts, **CE:** Civil Engineering, **CS:** Computer Science, **CY:** Chemistry, **EE:** Electrical Engineering, **ES:** Engineering Science, **FC:** Fractional Credit, **ID:** Instrumentation Design, **LA:** Liberal Arts, **MA:** Mathematics, **ME:** Mechanical Engineering, **MS:** Materials Science, **EP:** Engineering Physics and **PH:** Physics

Prepared by: *R.L.Prasanree.*   Checked by: *T. Jaraidhan lrae*

Deputy Registrar (Academics)

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