



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
STATEMENT OF GRADES OBTAINED FOR THE 8 SEMESTER COURSE IN ENGINEERING/TECHNOLOGY LEADING TO THE AWARD OF
BACHELOR OF TECHNOLOGY (HONOURS)



Roll No: 18EC10023

Name: JALEND BANTUPALLI

Year of Admission : 2018-2019

Course: B.Tech.(Hons.) in ELECTRONICS AND ELECTRICAL COMMUNICATION ENGINEERING

Year of Graduation : 2021-2022

For Semester 1		SGPA: 10.00	CGPA: 10.00		
Subno	Name	L-T-P	CRD	GRD	
CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	1-0-3	3	EX	
CS10001	PROGRAMMING AND DATA STRUCTURES	3-0-0	3	EX	
CS19101	PROGRAMMING AND DATA STRUCTURES TUTORIAL AND LABORATORY	0-1-3	3	EX	
EA10001	EXTRA ACADEMIC ACTIVITY-I	0-0-3	0	A	
EA10005	INDUCTION PROGRAM	0-0-0	0	Y	
MA10001	MATHEMATICS-I	3-1-0	4	EX	
ME10001	MECHANICS	3-1-0	4	EX	
PH11001	PHYSICS	3-1-0	4	EX	
PH19001	PHYSICS LAB.	0-0-3	2	EX	

For Semester 2		SGPA: 9.45	CGPA: 9.73		
Subno	Name	L-T-P	CRD	GRD	
CY11001	CHEMISTRY	3-1-0	4	EX	
CY19001	CHEMISTRY LAB.	0-0-3	2	EX	
EA10002	EXTRA ACADEMIC ACTIVITY-II	0-0-3	0	A	
EE11001	ELECTRICAL TECHNOLOGY	3-1-0	4	A	
EE19001	ELECTRICAL TECHNOLOGY LAB.	0-0-3	2	EX	
HS13001	ENGLISH FOR COMMUNICATION	3-0-2	4	B	
MA10002	MATHEMATICS-II	3-1-0	4	EX	
ME19001	INTRODUCTION TO MANUFACTURING PROCESSES	0-0-3	2	EX	

For Semester 3		SGPA: 9.09	CGPA: 9.51		
Subno	Name	L-T-P	CRD	GRD	
EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0	B	
EC21005	NETWORK THEORY	3-1-0	4	A	
EC21103	INTRODUCTION TO ELECTRONICS	3-1-0	4	EX	
EC21107	SEMICONDUCTOR DEVICES	3-1-0	4	B	
EC29003	INTRODUCTION TO ELECTRONICS LAB.	0-0-3	2	A	
EC29005	NETWORK THEORY LAB.	0-0-3	2	EX	
ET60007	INTRODUCTION TO DIGITAL SPEECH PROCESSING	3-1-0	4	A	
MA20107	MATRIX ALGEBRA	3-0-0	3	A	

For Semester 4		SGPA: 8.91	CGPA: 9.36		
Subno	Name	L-T-P	CRD	GRD	
BS20001	SCIENCE OF LIVING SYSTEM	2-0-0	2	B	
EA10004	EXTRA ACADEMIC ACTIVITY-IV	0-0-3	0	B	
EC21004	SIGNALS AND SYSTEMS	3-1-0	4	EX	
EC21006	ELECTROMAGNETIC ENGINEERING	3-1-0	4	A	
EC21008	ANALOG ELECTRONIC CIRCUITS	3-1-0	4	B	
EC29004	DEVICES LABORATORY	0-0-3	2	A	
EC29008	ANALOG CIRCUITS LAB.	0-0-3	2	A	
EV20001	ENVIRONMENTAL SCIENCE	2-0-0	2	A	
MA20106	PROBABILITY & STOCHASTIC PROCESSES	3-0-0	3	A	

For Semester 5		SGPA: 9.40	CGPA: 9.37		
Subno	Name	L-T-P	CRD	GRD	
EC31001	ANALOG COMMUNICATION	3-1-0	4	A	
EC31003(*1)	DIGITAL ELECTRONIC CIRCUITS	3-1-0	4	A	
EC31005	RF & MICROWAVE ENGINEERING	3-1-0	4	EX	
EC39001	ANALOG COMMUNICATIONS LAB.	0-0-3	2	EX	
EC39003(*1)	DIGITAL ELECTRONIC CIRCUITS LAB.	0-0-3	2	A	
EC39005	MICROWAVE LABORATORY	0-0-3	2	A	
EE31009	CONTROL SYSTEM ENGINEERING	3-1-0	4	EX	
RX60012	SCIENCE OF HAPPINESS AND WELL-BEING	2-0-2	3	A	

For Semester 6		SGPA: 9.30	CGPA: 9.36		
Subno	Name	L-T-P	CRD	GRD	
EC31002	DIGITAL COMMUNICATION	3-1-0	4	B	
EC31004	VLSI ENGG.	3-0-0	3	EX	
EC31006	MICROCONTROLLER & EMBEDDED SYSTEMS	3-0-0	3	EX	
EC31008	DIGITAL SIGNAL PROCESSING	3-1-0	4	A	
EC39002	DIGITAL COMMUNICATION LABORATORY	0-0-3	2	B	
EC39004	VLSI LABORATORY	0-0-3	2	EX	
EC39006	DSP LABORATORY	0-0-3	2	EX	
EP60020	FOUNDATIONS OF ENTREPRENEURSHIP	3-0-0	3	EX	

For Semester 7		SGPA: 9.81	CGPA: 9.42		
Subno	Name	L-T-P	CRD	GRD	
AI42001	MACHINE LEARNING FOUNDATIONS AND APPLICATIONS	3-0-3	5	EX	
CS60092	INFORMATION RETRIEVAL	3-0-0	3	EX	
EC47007	PROJECT-I	0-0-0	3	EX	
EC48001	INDUSTRIAL TRAINING	0-0-0	2	EX	
EC49001	MICROCONTROLLER SYSTEMS LABORATORY	0-0-3	2	EX	
EC60011	DATA STRUCTURE & OBJECT REPRESENTATION	3-1-0	4	A	
RX60017	SPORTS AND WELL-BEING	2-0-0	2	EX	

For Semester 8		SGPA: 9.68	CGPA: 9.45		
Subno	Name	L-T-P	CRD	GRD	
AI60004	BIG DATA PROCESSING	3-0-0	3	A	
AI61002	DEEP LEARNING FOUNDATIONS AND APPLICATIONS	3-1-0	4	EX	
CS31702(*1)	COMPUTER ARCHITECTURE AND OPERATING SYSTEM	4-0-0	4	EX	
CS40032	PRINCIPLES OF PROGRAMMING LANGUAGES	3-0-0	3	EX	
EC47004	PROJECT-II	0-0-9	6	EX	
EC48002	COMPREHENSIVE VIVA-VOCE	0-0-0	2	B	

Additional subjects taken into account for earning a Minor

Subno	Name	L-T-P	CRD	Semno	GRD
CS40019	IMAGE PROCESSING	3-0-0	3	3	EX
CS21003	ALGORITHMS - I	3-1-0	4	4	EX
CS29003	ALGORITHMS LABORATORY	0-0-3	2	4	A
CS60075	NATURAL LANGUAGE PROCESSING	3-0-0	3	5	A
CS60078	COMPLEX NETWORK THEORY	3-0-0	3	6	EX
GPA in Minor: 9.56		Minor in : COMPUTER SCIENCE & ENGINEERING			

*1 sign against a major curricular subject indicates that it has been taken into account for Minor

Total Additional Credits Taken: 15
GPA in Additional Subjects: 9.67

Total Additional Credits Cleared: 15

Total Credits Taken in Major Curriculum: 182 Total Credits Cleared: 182 CGPA: 9.45

Date of Issue: 16 June 2022

Checked by Superintendent (Academic):

Deputy Registrar (Academic):

GENERAL INFORMATION

1. Abbreviations used in the grade card stands for:

- LTP** = Lecture, Tutorial, Practical; figures shown under this column indicate weekly contact hours prescribed for the Subject
- CRD** = Credit carried by the Subject
- GRD** = Grade obtained by student in the Subject
- CGPA** = Cumulative Grade Point Average
- SGPA** = Semester Grade Point Average
- GPA** = Grade Point Average

2. English is the medium of instruction at all levels.

3. Extra Academic Activity (EAA) subjects include NCC, NSS and NSO, NCA.

4. The seven-point letter grade system followed by the institute in assessing student's performance in a subject is as follows:

Performance	Letter Grade	Grade Point Value Per Credit
Excellent	EX	10
Very Good	A	9
Good	B	8
Fair	C	7
Average	D	6
Pass	P	5

5. Highest possible CGPA in the system is 10.00. No rank or class or division is awarded. The CGPA may be multiplied by a factor of 10 to obtain the numerical percentage for those students who have graduated in 2020-2021 or earlier.

The Conversion formula to be effective for all students from the graduation year 2021-2022 is as follows:

Percentage of Marks = $(20/7) * \{(4 * x) - 5\}$, [where, x is CGPA]

6. (I) A student is awarded a B.Tech. (Hons.); B.Arch. (Hons.); Dual Degree for B.Tech. (Hons.) & M.Tech.; Integrated B.Sc. (Hons.) and M.Sc.; Integrated B.Sc. (Hons.) and M.Sc. & M. Tech.; 4 Yrs. B.S.; 2 Yrs. or 3 Yrs. M.Sc. on completion of the curricular requirement with a minimum CGPA of 6.00.

(II) The credits and grades obtained in additional subjects optionally taken by a student on satisfying the prescribed conditions do not contribute towards the CGPA.

(III) The CGPA obtained by a student in additional subjects is computed separately. For the award of MINOR degree in a particular discipline, the credits and grades of the additional and other subjects that are taken into account are separately indicated along with the computed GPA.

(IV) Minimum GPA for a Minor in any discipline is 6.00.

7. Duration of Course

Minimum duration of the B.Tech. (Hons.); B.Arch. (Hons.); Dual Degree for B.Tech. (Hons.) & M.Tech. (or MBA); Integrated B.Sc. (Hons.) and M.Sc.; Integrated B.Sc. (Hons.) and M.Sc. & M. Tech.; B.S. and M.Sc. degree is given on the front cover page.

However, with the approval of the Senate a slow paced student may take more semesters to complete the degree requirements.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR



Statement of Academic Performance

of

JALEND BANTUPALLI

Four Year Programme in

BACHELOR OF TECHNOLOGY (HONOURS)

with Minor in

COMPUTER SCIENCE AND ENGINEERING