



INTERIM GRADE CARD  
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

STATEMENT OF GRADES OBTAINED FOR THE 10 SEMESTER DUAL DEGREE IN ENGINEERING/TECHNOLOGY LEADING TO THE AWARD OF  
BACHELOR OF TECHNOLOGY (HONOURS) AND MASTER OF TECHNOLOGY



Roll No: 17EC34003

Name: MANIDEEP MAMINDLAPALLY

Year of Admission : 2017-2018

Course: B.Tech.(Hons.) in ELECTRONICS AND ELECTRICAL COMMUNICATION ENGINEERING and M.Tech. in TELECOMMUNICATION SYSTEM ENGINEERING

Year of Graduation : -

Semester 1

Subno	Name	L-T-P	CRD	GRD
EE19001	ELECTRICAL TECHNOLOGY LAB.	0-0-3	2	EX
ME19001	INTRODUCTION TO MANUFACTURING PROCESSES	0-0-3	2	B
EE11001	ELECTRICAL TECHNOLOGY	3-1-0	4	A
CY19001	CHEMISTRY LAB.	0-0-3	2	EX
EA10005	INDUCTION PROGRAM	0-0-0	0	Y
EA10001	EXTRA ACADEMIC ACTIVITY-I	0-0-3	0	Y
CY11001	CHEMISTRY	3-1-0	4	EX
HS13001	ENGLISH FOR COMMUNICATION	3-0-2	4	A
MA10001	MATHEMATICS-I	3-1-0	4	A

For Semester 1 SGPA: 9.27 CGPA: 9.27

Semester 2

Subno	Name	L-T-P	CRD	GRD
ME10001	MECHANICS	3-1-0	4	EX
CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	1-0-3	3	A
EA10002	EXTRA ACADEMIC ACTIVITY-II	0-0-3	0	Y
CS19101	PROGRAMMING AND DATA STRUCTURES TUTORIAL AND LABORATORY	0-1-3	3	EX
MA10002	MATHEMATICS-II	3-1-0	4	A
PH11001	PHYSICS	3-1-0	4	A
PH19001	PHYSICS LAB.	0-0-3	2	A
CS10001	PROGRAMMING AND DATA STRUCTURES	3-0-0	3	EX

For Semester 2 SGPA: 9.43 CGPA: 9.36

Semester 3

Subno	Name	L-T-P	CRD	GRD
EC29003	INTRODUCTION TO ELECTRONICS LAB.	0-0-3	2	EX
EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0	A
EC21107	SEMICONDUCTOR DEVICES	3-1-0	4	A
EC21005	NETWORK THEORY	3-1-0	4	EX
EC21103	INTRODUCTION TO ELECTRONICS	3-1-0	4	A
EC29005	NETWORK THEORY LAB.	0-0-3	2	EX
IT30037	INTRODUCTION TO INTERNET	3-0-0	3	B
MA20107	MATRIX ALGEBRA	3-0-0	3	A

For Semester 3 SGPA: 9.23 CGPA: 9.31

Semester 4

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

For Semester 4 SGPA: 8.43 CGPA: 9.09

Semester 5

Subno	Name	L-T-P	CRD	GRD
HS60005	INTRODUCTION TO INDIAN PSYCHOLOGY	3-0-0	3	A
EC39005	MICROWAVE LABORATORY	0-0-3	2	A
EC39001	ANALOG COMMUNICATIONS LAB.	0-0-3	2	A
EC31003	DIGITAL ELECTRONIC CIRCUITS	3-1-0	4	B
EC31005	RF & MICROWAVE ENGINEERING	3-1-0	4	B
EC31001	ANALOG COMMUNICATION	3-1-0	4	EX
EE31009	CONTROL SYSTEM ENGINEERING	3-1-0	4	B
EC39003	DIGITAL ELECTRONIC CIRCUITS LAB.	0-0-3	2	A

For Semester 5 SGPA: 8.68 CGPA: 9.00

Semester 6

Subno	Name	L-T-P	CRD	GRD
EC39004	VLSI LABORATORY	0-0-3	2	EX
EC31006	MICROCONTROLLER & EMBEDDED SYSTEMS	3-0-0	3	A
IM41082	OPERATIONS RESEARCH	3-0-0	3	EX
EC31002	DIGITAL COMMUNICATION	3-1-0	4	B
EC39002	DIGITAL COMMUNICATION LABORATORY	0-0-3	2	EX
EC39006	DSP LABORATORY	0-0-3	2	A
EC31008	DIGITAL SIGNAL PROCESSING	3-1-0	4	B
EC31004	VLSI ENGG.	3-0-0	3	B

For Semester 6 SGPA: 8.83 CGPA: 8.97

Semester 7

Subno	Name	L-T-P	CRD	GRD
EC60603	MODERN DIGITAL COMMUNICATION TECHNIQUES	3-1-0	4	A
EC49001	MICROCONTROLLER SYSTEMS LABORATORY	0-0-3	2	A
EC47007	PROJECT-I	0-0-0	3	EX
EC60601	DIGITAL VOICE AND PICTURE COMMUNICATION	3-1-0	4	EX
EC60083	INFORMATION THEORY & CODING TECHNIQUES	3-0-0	3	EX
EC69023	TELECOMMUNICATION SYSTEMS ENGG. LAB	0-0-3	2	EX

For Semester 7 SGPA: 9.67 CGPA: 9.05

Semester 8

Subno	Name	L-T-P	CRD	GRD
HS30048	GERMAN	3-0-0	3	EX
EC47004	PROJECT-II	0-0-9	6	EX
EC69402	DESIGN AND SIMULATION LAB-I	0-0-3	2	A
EC48002	COMPREHENSIVE VIVA-VOCE	0-0-0	2	A
EC60052	TELECOMMUNICATION SWITCHING & NETWORKS	3-1-0	4	EX
EC60054	MOBILE COMMUNICATIONS AND FADING	3-1-0	4	EX
CS60094	COMPUTATIONAL NUMBER THEORY	3-0-0	3	EX

For Semester 8 SGPA: 9.83 CGPA: 9.16

Semester 9

Subno	Name	L-T-P	CRD	GRD
CS41103	COMPUTATIONAL COMPLEXITY	3-1-0	4	EX
EC48001	INDUSTRIAL TRAINING	0-0-0	2	EX
EC57003	PROJECT	0-0-15	12	EX
CS60005	FOUNDATIONS OF COMPUTING SCIENCE	3-1-0	4	EX
EC60091	MACHINE INTELLIGENCE & EXPERT SYSTEMS	3-0-0	3	B

For Semester 9 SGPA: 9.76 CGPA: 9.23

Upto Semester 9

Total Credit Taken: 205

Total Credit Cleared: 205

CGPA: 9.23

Details of additional subjects

Subno	Name	L-T-P	CRD	Semno	GRD
CS21003	ALGORITHMS - I	3-1-0	4	4	EX
CS29003	ALGORITHMS LABORATORY	0-0-3	2	4	EX
EC61409	NEURAL NETWORKS AND APPLICATIONS	3-0-0	3	5	B
CS60050	MACHINE LEARNING	3-0-0	3	5	EX
EC60128	LINEAR ALGEBRA AND ERROR CONTROL TECHNIQUES	3-0-0	3	6	A
MA66005	ALGEBRAIC ANALYSIS OF DYNAMICAL SYSTEMS	0-0-0	1	6	P
CS60025	ALGORITHMIC GAME THEORY	3-0-0	3	7	A
TS70006	QUANTUM MECHANICS & QUANTUM COMPUTING	3-1-0	4	8	A

Total Additional Credit Taken: 23  
CGPA in Additional Subjects: 9.09

Total Additional Credit Cleared: 23

Date of Issue : 27 Dec 2021

Joint Registrar (Academic) / Assistant Registrar(UG)

Signature valid

Digitally signed by  
SANTANU DAS  
Date: 2021.12.27  
18:03:19 IST  
Location: Academic  
(U.G.) Section, IIT  
Kharagpur

## 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.

### 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
Fail	F	0

### 5. Highest possible CGPA in the system is 10.00. No rank or class or division is awarded. No system exists for conversion of letter grades into percentage of marks.

### 6.

(i) A student is awarded a B.Tech. (Hons.)/B.Arch. (Hons.)/Dual Degree – B.Tech. (Hons.) and M.Tech./ Integrated B.Sc.(Hons.) and M.Sc. / 2Yrs. M.Sc. on completion of the curriculum 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 indicted along with the computed GPA.

(iv) Minimum GPA for a Minor/micro in any discipline is 6.00.

### 7. Duration of Course

Minimum duration of the B.Tech. (Hons.)/B.Arch (Hons.)/ Dual Degree – B.Tech. (Hons.) and M.Tech.(or MBA)/ B.Sc.(Hons.) 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 requirement.

# INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR



## Statement of ACADEMIC PERFORMANCE

### Four Year Programme

### Bachelor of Technology (Honours)

### Five Year Programme

### Bachelor of Architecture (Honours)

### Master of Science (Five Year Integrated Course)

### Bachelor of Technology (Honours)

&

### Master of Technology/MBA (Dual Degree)

### Two Year Programme

### Master of Science