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

For Semester 1 SGPA: 9.27 CGPA: 9.27

Semester 2

Subno	Name	L-T-P	CRD	GRD
PH11001	PHYSICS	3-1-0	4	A
CS19101	PROGRAMMING AND DATA STRUCTURES TUTORIAL AND LABORATORY	0-1-3	3	EX
PH19001	PHYSICS LAB.	0-0-3	2	A
ME10001	MECHANICS	3-1-0	4	EX
MA10002	MATHEMATICS-II	3-1-0	4	A
EA10002	EXTRA ACADEMIC ACTIVITY-II	0-0-3	0	Y
CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	1-0-3	3	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
MA20107	MATRIX ALGEBRA	3-0-0	3	A
EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0	A
EC29005	NETWORK THEORY LAB.	0-0-3	2	EX
EC21103	INTRODUCTION TO ELECTRONICS	3-1-0	4	A
EC21005	NETWORK THEORY	3-1-0	4	EX
EC29003	INTRODUCTION TO ELECTRONICS LAB.	0-0-3	2	EX
IT30037	INTRODUCTION TO INTERNET	3-0-0	3	B
EC21107	SEMICONDUCTOR DEVICES	3-1-0	4	A

For Semester 3 SGPA: 9.23 CGPA: 9.31

Semester 4

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

For Semester 4 SGPA: 8.43 CGPA: 9.09

Semester 5

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

For Semester 5 SGPA: 8.68 CGPA: 9.00

Semester 6

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

For Semester 6 SGPA: 8.83 CGPA: 8.97

Semester 7

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

For Semester 7 SGPA: 9.67 CGPA: 9.05

Semester 8

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

For Semester 8 SGPA: 9.83 CGPA: 9.16

Upto Semester 8

Total Credit Taken: 180

Total Credit Cleared: 180

CGPA: 9.16

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
CS60050	MACHINE LEARNING	3-0-0	3	5	EX
EC61409	NEURAL NETWORKS AND APPLICATIONS	3-0-0	3	5	B
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 **Total Additional Credit Cleared: 23**

CGPA in Additional Subjects: 9.09

Date of Issue : 12 Oct 2021

Joint Registrar (Academic) / Assistant Registrar(UG)

Signature Not Verified

Digitally signed by SANTANU DAS

Date: 2021.10.12 18:12:54 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