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: 18AE30008 **Name: KSHITIJ ANAND** **Year of Admission : 2018-2019**

Course: B.Tech.(Hons.) in AEROSPACE ENGINEERING and M.Tech. in AEROSPACE ENGINEERING **Year of Graduation : -**

Semester 1

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

For Semester 1 SGPA: 9.09 CGPA: 9.09

Semester 2

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

For Semester 2 SGPA: 9.52 CGPA: 9.31

Semester 3

Subno	Name	L-T-P	CRD	GRD
BS20001	SCIENCE OF LIVING SYSTEM	2-0-0	2	EX
MA20101	TRANSFORM CALCULUS	3-0-0	3	A
EV20001	ENVIRONMENTAL SCIENCE	2-0-0	2	EX
AE21003	DYNAMICS FOR AEROSPACE ENGINEERS	3-1-0	4	EX
EC21101	BASIC ELECTRONICS	3-1-0	4	EX
EC29001	BASIC ELECTRONICS LAB.	0-0-3	2	EX
EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0	C
AE21001	INTRODUCTION TO AERODYNAMICS	3-1-0	4	A

For Semester 3 SGPA: 9.67 CGPA: 9.42

Semester 4

Subno	Name	L-T-P	CRD	GRD
AE21002	LOW SPEED AERODYNAMICS	3-1-0	4	A
AE21008	INTRODUCTION TO FLIGHT VEHICLE CONTROLS	3-0-0	3	EX
RX60011	INTRODUCTION TO GROSS NATIONAL HAPPINESS (GNH)	3-0-0	3	A
AE29002	AERODYNAMICS LAB-I	0-0-3	2	EX
AE21004	INTRODUCTION TO AEROSPACE STRUCTURES	3-1-0	4	EX
AE29004	STRUCTURES LAB -I	0-0-3	2	A
EA10004	EXTRA ACADEMIC ACTIVITY-IV	0-0-3	0	A
MA20102	NUMERICAL SOLUTION OF ORDINARY AND PDE	3-0-0	3	B

For Semester 4 SGPA: 9.29 CGPA: 9.39

Semester 5

Subno	Name	L-T-P	CRD	GRD
AT30001	FUNDAMENTALS OF EMBEDDED CONTROL AND SOFTWARE	3-0-0	3	B
AE39003	STRUCTURES LAB -II	0-0-3	2	A
AE31103	HIGH SPEED AERODYNAMICS	3-1-0	4	A
AE39001	AERODYNAMICS LAB-II	0-0-3	2	EX
AE31007	MECHANICS OF FLIGHT	3-1-0	4	C
AE31009	AEROSPACE STRUCTURAL ANALYSIS	3-1-0	4	EX
AE31001	THERMODYNAMICS & AEROSPACE PROP.SYSTEM	3-1-0	4	A

For Semester 5 SGPA: 8.78 CGPA: 9.26

Semester 6

Subno	Name	L-T-P	CRD	GRD
AE31006	COMPUTER APPLICATION IN AERO. ENGINEERING	3-0-0	3	EX
AE39002	SYSTEM LABORATORY	0-0-3	2	EX
AE31002	AEROSPACE STRUCTURAL DYNAMICS	3-1-0	4	EX
AE31010	VISCOUS FLOW THEORY	3-1-0	4	A
AE31008	THEORY OF JET PROPULSION	3-1-0	4	EX
AE31004	AIRCRAFT STABILITY AND CONTROL	3-1-0	4	EX
AE39004	PROPULSION LABORATORY	0-0-3	2	EX

For Semester 6 SGPA: 9.83 CGPA: 9.36

Semester 7

Subno	Name	L-T-P	CRD	GRD
AI61005	ARTIFICIAL INTELLIGENCE: FOUNDATIONS AND APPLICATIONS	3-1-0	4	EX
AE47007	PROJECT-I	0-0-0	3	EX
AE40031	COMPUTATIONAL FLUID DYNAMICS	3-0-0	3	EX
AI61003	LINEAR ALGEBRA FOR AI AND ML	3-1-0	4	A
AE61007	ROCKET PROPULSION	3-0-0	3	EX
AE49003	AIRCRAFT DESIGN & OPTIMISATION	1-0-3	3	EX
AE40019	AUTOMATIC CONTROL OF AIRCRAFT	3-0-0	3	EX

For Semester 7 SGPA: 9.83 CGPA: 9.43

Semester 8

Subno	Name	L-T-P	CRD	GRD
CS29204	SWITCHING CIRCUITS LABORATORY	0-0-3	2	C
AE47006	PROJECT - PART 2	0-0-9	6	EX
CS31702	COMPUTER ARCHITECTURE AND OPERATING SYSTEM	4-0-0	4	EX
AI42001	MACHINE LEARNING FOUNDATIONS AND APPLICATIONS	3-0-3	5	A
CS21202	SWITCHING CIRCUITS AND LOGIC DESIGN	3-1-0	4	A
AI61002	DEEP LEARNING FOUNDATIONS AND APPLICATIONS	3-1-0	4	A

For Semester 8 SGPA: 9.24 CGPA: 9.40

Upto Semester 8

Total Credit Taken: 181

Total Credit Cleared: 181

CGPA: 9.40

Details of additional subjects

Subno	Name	L-T-P	CRD	Semno	GRD
CS21003	ALGORITHMS - I	3-1-0	4	4	C
EP60040	ENGINEERING B-PLAN DEVELOPMENT - 2	2-1-0	3	4	A
CS40019	IMAGE PROCESSING	3-0-0	3	5	EX
CS61064	HIGH PERFORMANCE PARALLEL PROGRAMMING	3-1-0	4	6	A
AT60006	EMBEDDED SENSING, ACTUATION AND INTERFACING SYSTEM	4-0-0	4	6	B
CS66010	SECURITY AND PRIVACY IN ONLINE SOCIAL NETWORKS	0-0-0	1	7	EX
CS60050	MACHINE LEARNING	3-0-0	3	7	B
CS29003	ALGORITHMS LABORATORY	0-0-3	2	8	B

Total Additional Credit Taken: 24 **Total Additional Credit Cleared: 24**

CGPA in Additional Subjects: 8.46

Date of Issue : 17 Oct 2022

Deputy Registrar (Academic) / Assistant Registrar(UG)

Signature Not Verified

Digitally signed by SANTANU DAS
Date: 2022.10.17 17:17:56 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