



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: 16MT30026

Name: ADVAIT GILANKAR

Year of Admission : 2016-2017

Course: B.Tech.(Hons.) in METALLURGICAL AND MATERIALS ENGINEERING and M.Tech. in METALLURGICAL AND MATERIALS ENGINEERING

Year of Graduation : -

Semester 1

Subno	Name	L-T-P	CRD	GRD
CS10001	PROGRAMMING AND DATA STRUCTURES	3-0-0	3	B
ME10001	MECHANICS	3-1-0	4	C
MA10001	MATHEMATICS-I	3-1-0	4	C
CS19101	PROGRAMMING AND DATA STRUCTURES TUTORIAL AND LABORATORY	0-1-3	3	A
EA10001	EXTRA ACADEMIC ACTIVITY-I	0-0-3	0	B
CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	1-0-3	3	B
PH11001	PHYSICS	3-1-0	4	D
PH19001	PHYSICS LAB.	0-0-3	2	C

For Semester 1 SGPA: 7.35 CGPA: 7.35

Semester 2

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

For Semester 2 SGPA: 7.73 CGPA: 7.53

Semester 3

Subno	Name	L-T-P	CRD	GRD
MT21107	INTRODUCTION TO ENGINEERING MATERIALS	3-1-0	4	A
MT29005	METALLURGICAL THERMODYNAMICS AND KINETICS LAB.	0-0-3	2	B
EV20001	ENVIRONMENTAL SCIENCE	2-0-0	2	A
MT29007	INTRODUCTION TO ENGINEERING MATERIALS LAB.	0-0-3	2	EX
MA20103	PARTIAL DIFFERENTIAL EQUATIONS	3-0-0	3	C
BS20001	SCIENCE OF LIVING SYSTEM	2-0-0	2	A
EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0	Y
MT21105	METALLURGICAL THERMODYNAMICS AND KINETICS	3-1-0	4	A
HS20001	ECONOMICS	3-1-0	4	A

For Semester 3 SGPA: 8.74 CGPA: 7.94

Semester 4

Subno	Name	L-T-P	CRD	GRD
EC21101	BASIC ELECTRONICS	3-1-0	4	B
EC29001	BASIC ELECTRONICS LAB.	0-0-3	2	A
MA20106	PROBABILITY & STOCHASTIC PROCESSES	3-0-0	3	C
MT21010	TRANSPORT PHENOMENA IN METALLURGICAL PROCESSES	3-1-0	4	C
EA10004	EXTRA ACADEMIC ACTIVITY-IV	0-0-3	0	Y
MT20006	MATERIALS PROCESSING	3-0-0	3	A
MT21008	DEFORMATION BEHAVIOUR OF MATERIALS	3-1-0	4	A
MT29006	MATERIALS PROCESSING LAB.	0-0-3	2	B

For Semester 4 SGPA: 8.09 CGPA: 7.98

Semester 5

Subno	Name	L-T-P	CRD	GRD
MT39009	MECHANICAL TESTING AND WORKING LAB.	0-0-3	2	B
MT31015	PRINCIPLES OF EXTRACTIVE METALLURGY	3-1-0	4	B
MT31017	PHASE TRANSFORMATION AND HEAT TREATMENT OF MATERIALS	3-1-0	4	C
MS67103	PROJECT	0-0-6	4	A
MT39005	HEAT TREATMENT OF MATERIALS LAB.	0-0-3	2	A
MT31009	MECHANICAL WORKING OF MATERIALS	3-0-0	3	D
MT31007	CREEP, FATIGUE AND FRACTURE	3-0-0	3	A

For Semester 5 SGPA: 7.95 CGPA: 7.97

Semester 6

Subno	Name	L-T-P	CRD	GRD
MT41009	COMPUTER APPLICATIONS IN METALLURGICAL PROCESSES	3-0-0	3	C
MT31012	MATERIAL CHARACTERIZATION	3-0-0	3	A
MT49009	COMPUTER APPLICATIONS IN METALLURGICAL PROCESSES LABORATORY	0-0-3	2	B
MT39022	X-RAY DIFFRACTION & TRANSMISSION ELECTRON MICROSCOPY LABORATORY	0-0-3	2	B
MT39004	MATERIALS CHARACTERISATION LAB.	0-0-3	2	A
MS60032	OPTOELECTRONIC MATERIALS AND DEVICES	3-1-0	4	D
MT32008	IRON MAKING & STEELMAKING	3-1-0	4	A
MT31022	X-RAY DIFFRACTION & TRANSMISSION ELECTRON MICROSCOPY	3-1-0	4	B

For Semester 6 SGPA: 7.92 CGPA: 7.96

Semester 7

Subno	Name	L-T-P	CRD	GRD
ES60004	ENERGY MATERIALS	3-1-0	4	A
MT41013	CORROSION & ENVIRONMENTAL DEGRADATION OF MATERIALS	3-0-0	3	A
MT41022	ADVANCED PHASE TRANSFORMATIONS	3-0-0	3	B
MT41011	PHYSICS OF MATERIALS	3-0-0	3	B
MT41023	COMPOSITE MATERIALS	3-0-0	3	C
MT47003	PROJECT-I	0-0-0	3	A

For Semester 7 SGPA: 8.37 CGPA: 8.01

Semester 8

Subno	Name	L-T-P	CRD	GRD
MT41028	ATOMISTIC MODELLING OF MATERIALS	3-0-0	3	A
MT60134	BIOMATERIALS	3-0-0	3	A
RX60012	SCIENCE OF HAPPINESS AND WELL-BEING	2-0-2	3	B
MT47002	PROJECT-II	0-0-9	6	EX
ES61002	SOLAR PHOTOVOLTAIC TECHNOLOGIES AND SYSTEMS	3-1-0	4	A
MT61146	ADVANCED ELECTRON MICROSCOPY & ANALYSIS	3-1-0	4	EX

For Semester 8 SGPA: 9.30 CGPA: 8.18

Semester 9

Subno	Name	L-T-P	CRD	GRD
MT58001	COMPREHENSIVE VIVA VOCE	0-0-0	2	A
MT61143	PROCESSING BY POWDER METALLURGY TECHNIQUES	3-1-0	4	EX
MT57003	PROJECT III	0-0-15	12	EX
MT48001	INDUSTRIAL TRAINING	0-0-0	2	A
MT60139	SURFACE MODIFICATION AND COATING TECHNOLOGY	3-0-0	3	B
MT61151	DISLOCATION THEORY	3-1-0	4	A

For Semester 9 SGPA: 9.48 CGPA: 8.35

Upto Semester 9

Total Credit Taken: 205

Total Credit Cleared: 205

CGPA: 8.35

Details of additional subjects

Subno	Name	L-T-P	CRD	Semno	GRD
MS60009	FUNDAMENTALS OF ELECTRONIC MATERIALS	3-0-0	3	4	B
MS60058	TECHNOLOGY OF CERAMICS FOR ELECTRONIC APPLICATIONS	3-1-0	4	6	C
TS66003	TIME DEPENDENT DENSITY FUNCTIONAL THEORY (DFT)	0-0-0	1	8	EX
MT60003	PROGRAMMING AND NUMERICAL METHODS IN MATERIALS ENGINEERING	3-1-0	4	9	B

Total Additional Credit Taken: 12 Total Additional Credit Cleared: 12
CGPA in Additional Subjects: 7.83

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