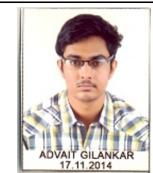




INTERIM GRADE CARD
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
STATEMENT OF GRADES OBTAINED FOR THE 10 SEMESTER DUAL DEGREE IN ENGINEERING/TECHNOLOGY LEADING TO THE AWARD OF
BACHELOR OF TECHNOLOGY (HONOURS) AND MASTER OF TECHNOLOGY



Roll No: 16MT30026

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

Name: ADWAIT GILANKAR

Year of Admission : 2016-2017

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 |
| PH10001 | PHYSICS | 3-1-0 | 4 | D |
| PH19001 | PHYSICS LAB. | 0-0-3 | 2 | C |

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| For Semester 1 | SGPA: 7.35 | CGPA: 7.35 |
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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 |

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| For Semester 2 | SGPA: 7.73 | CGPA: 7.53 |
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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 |

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| For Semester 3 | SGPA: 8.74 | CGPA: 7.94 |
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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 |

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| For Semester 4 | SGPA: 8.09 | CGPA: 7.98 |
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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 |

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| For Semester 5 | SGPA: 7.95 | CGPA: 7.97 |
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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 |

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| For Semester 6 | SGPA: 7.92 | CGPA: 7.96 |
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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 |

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| For Semester 7 | SGPA: 8.37 | CGPA: 8.01 |
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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 |

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| For Semester 8 | SGPA: 9.30 | CGPA: 8.18 |
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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 |

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| For Semester 9 | SGPA: 9.48 | CGPA: 8.35 |
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Upto Semester 9**Total Credit Taken: 205****Total Credit Cleared: 205****CGPA: 8.35****Details of additional subjects**

| Subno | Name | L-T-P |
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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.

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