



**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: 10CS30008

Name: ARUNENDER SINGHH

Year of Admission : 2010-2011

Course: B.Tech.(Hons.) in COMPUTER SCIENCE AND ENGINEERING and M.Tech. in COMPUTER SCIENCE AND ENGINEERING

Year of Graduation : 2014-2015

**Semester 1**

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

For Semester 1 SGPA: 6.55 CGPA: 6.55

**Semester 2**

Subno	Name	L-T-P	CRD	GRD
CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	1-0-3	3	C
CS11001	PROGRAMMING AND DATA STRUCTURE	3-1-0	4	P
CS19001	PROGRAMMING AND DATA STRUCTURE LAB	0-0-3	2	C
EA10002	EXTRA ACADEMIC ACTIVITY-II	0-0-3	0	A
MA10002	MATHEMATICS-II	3-1-0	4	P
ME10001	MECHANICS	3-1-0	4	P
PH11001	PHYSICS	3-1-0	4	P
PH19001	PHYSICS LAB	0-0-3	2	C

For Semester 2 SGPA: 5.61 CGPA: 6.07

**Semester 3**

Subno	Name	L-T-P	CRD	GRD
CS21001	DISCRETE STRUCTURES	3-1-0	4	P
CS21003	ALGORITHMS - I	3-1-0	4	P
CS29003	ALGORITHMS LABORATORY	0-0-3	2	D
EA10003	EXTRA ACADEMIC ACTIVITY-III	0-0-3	0	B
EC21103	INTRODUCTION TO ELECTRONICS	3-1-0	4	P
EC29003	INTRODUCTION TO ELECTRONICS LAB	0-0-3	2	C
EE21101	SIGNALS & NETWORKS	3-1-0	4	P
EE29001	SIGNALS & NETWORKS LAB	0-0-3	2	P
HS40072	SOCIOLOGY OF SCIENCE	3-0-0	3	P

For Semester 3 SGPA: 5.24 CGPA: 5.77

**Semester 4**

Subno	Name	L-T-P	CRD	GRD
CS20006	SOFTWARE ENGINEERING	3-0-0	3	C
CS21002	SWITCHING CIRCUITS AND LOGIC DESIGN	3-1-0	4	P
CS21004	FORMAL LANGUAGE AND AUTOMATA THEORY	3-1-0	4	P
CS29002	SWITCHING CIRCUITS LABORATORY	0-0-3	2	B
CS29006	SOFTWARE ENGINEERING LABORATORY	0-0-3	2	A
EA10004	EXTRA ACADEMIC ACTIVITY-IV	0-0-3	0	C
HS30075	MODERNISATION AND CREATIVE COMMUNICATION	3-0-0	3	D
MA20104	PROBABILITY & STATISTICS	3-0-0	3	P

For Semester 4 SGPA: 6.10 CGPA: 5.85

**Semester 5**

Subno	Name	L-T-P	CRD	GRD
CS31003	COMPILERS	3-0-0	3	P
CS31005	ALGORITHMS - II	3-1-0	4	P
CS31007	COMPUTER ORGANIZATION & ARCHITECTURE	3-1-0	4	P
CS39001	COMPUTER ORGANIZATION LABORATORY	0-0-6	4	A
CS39003	COMPILERS LABORATORY	0-0-3	2	D
MA60004	E-BUSINESS	3-0-0	3	C
MA20107	MATRIX ALGEBRA	3-0-0	3	P

For Semester 5 SGPA: 5.04 CGPA: 5.89

**Semester 6**

Subno	Name	L-T-P	CRD	GRD
BS20001	SCIENCE OF LIVING SYSTEM	3-0-0	2	C
CS30002	OPERATING SYSTEMS	3-0-0	3	P
CS31006	COMPUTER NETWORKS	3-0-0	3	D
CS39002	OPERATING SYSTEMS LABORATORY	0-0-3	2	P
CS39006	NETWORKS LAB	0-0-3	2	A
CS39008	PROJECT SEMINAR	0-0-3	2	B
CS43002	DATABASE MANAGEMENT SYSTEMS	3-0-3	3	C
CS60064	COMPUTATIONAL GEOMETRY	3-0-0	1	P
EV20001	ENVIRONMENTAL SCIENCE	2-0-0	2	P

For Semester 6 SGPA: 6.29 CGPA: 5.96

**Semester 7**

Subno	Name	L-T-P	CRD	GRD
CS40019	IMAGE PROCESSING	3-0-0	3	D
CS41001	THEORY OF COMPUTATION	3-1-0	4	P
CS47005	PROJECT-PART 1	0-0-6	4	B
CS48003	SUMMER TRAINING	0-0-0	2	EX
CS60045	ARTIFICIAL INTELLIGENCE	3-0-0	3	C
CS60058	FAULT TOLERANT SYSTEMS	3-0-0	3	B
CS60059	OBJECT ORIENTED SYSTEMS	3-0-0	3	C

For Semester 7 SGPA: 7.09 CGPA: 6.11

**Semester 8**

Subno	Name	L-T-P	CRD	GRD
CS47006	PROJECT-PART 2	0-0-9	6	C
CS60043	HIGH PERFORMANCE IN COMPUTER ARCHITECTURE	4-0-0	4	C
CS61000	COMPUTATIONAL BIOPHYSICS: ALGORITHMS TO APPLICATIONS	3-1-0	4	P
EP60039	ENTREPRENEURSHIP IN SOCIAL SECTOR	2-1-0	3	A
ET61002	LANGUAGE PROCESSING FOR E-LEARNING	3-1-0	4	D

For Semester 8 SGPA: 6.71 CGPA: 6.18

**Semester 9**

Subno	Name	L-T-P	CRD	GRD
CS57003	PROJECT-PART 1	0-0-15	12	C
CS58003	B.TECH. COMPREHENSIVE VIVA	0-0-6	2	P
CS59001	DESIGN LABORATORY	0-0-3	2	A
CS60047	ADVANCED GRAPH THEORY	3-1-0	4	P
CS60050	MACHINE LEARNING	3-0-0	3	D
CS60057	SPEECH & NATURAL LANG. PROCESSING	3-0-0	3	P

For Semester 9 SGPA: 6.35 CGPA: 6.20

**Semester 10**

Subno	Name	L-T-P	CRD	GRD
CS57004	PROJECT-PART 2	0-0-20	13	A
CS58004	COMPREHENSIVE VIVA	0-0-0	2	P
CS60032	DATABASE ENGINEERING	3-0-0	3	C
CS60073	ADVANCED MACHINE LEARNING	3-0-0	3	C

For Semester 10 SGPA: 8.05 CGPA: 6.37

Total Credit Taken: 228

Total Credit Cleared: 228

CGPA: 6.37

*Arunender Singh*





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upon the recommendation of the Senate hereby confers the degree of

**Bachelor of Technology (Honours)**  
under the Dual Degree Programme

in

**Computer Science and Engineering**

on

**ARUNENDER SINGHH**

Given under the seal of the Institute at Kharagpur on the Seventh day of August, Two Thousand and Fifteen

  
Registrar



  
Director

*Arunender Singhh*



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