

SYSTEM OF EVALUATION AND AWARD OF DEGREE

1. At the end of every semester, a student is awarded a grade based on his/her performance in examinations / assignments, in every course registered by him/her. These grade are described by the letters AA, AB, BB etc. and have a numerical equivalent called the grade points as given below :

Letter Grade	Grade Points
* AP	10
AA	10
AB	9
BB	8
BC	7
CC	6
CD	5
DD	4
** EE	0 Fail Grade
FF	0 Fail Grade
*** FR	0 Failed and Repeat Course
DX	0 Insufficient Attendance
PP	- Passed
NP	- Not Passed
W	- Withdraw

Prior to 1984-85 session, single letters like A, B, C etc. were used.

2. After successful completion of programme a degree is awarded without any mention of Rank/Class.
 3. As per the existing rules, rank in class is not certified except for first position in a class on year basis only.
 4. Change of branch, permitted at the end of first year for Undergraduate and Dual Degree Programme students is reflected on the transcripts and in roll number when applicable.
 5. New Roll Nos. of eight & nine digits have come in to effect from July, 1990 & July, 2010 respectively.
 6. The Institute follows grading system on a scale of 10.00, which cannot be converted in to any other scale or percentage simply by multiplying or dividing with a factor. Cumulative Performance Index C.P.I. of 6.50 and above out of 10.00 at the end of programme is considered as First Class for Undergraduates.
 7. The Institute does not award any class or division. However, notionally, the CPI may be multiplied by a factor of 10 to obtain a numerical percentage for students graduating in June, 2016 onwards.
 8. Minimum passing grade is DD for Undergraduate and Postgraduate courses.
 9. The medium of instructions at the Institute is in English.
 10. The grade FF, FR and DX are taken into consideration while calculating SPI & CPI, however, these will be replaced only after the clearance of the course with the passing grade. This has come into force from Spring Semester 1994-95.
 11. SPI and CPI of students joined their programmes up to 2001-02 academic year are calculated by giving weightage of 1.5% for credits of all courses from their 3rd year onwards including project for B.Tech & DD programmes. However, the system of giving such weightage discontinued in case of students joined during 2002-03 and thereafter.
 12. Opportunity for additional learning is provided through Minor/Honors courses to be done by interested/eligible students to the extend of one course per semester w.e.f the third semester. Credit for the courses done under additional learning is not included for SPI/CPI calculation
 13. Separate CPI will be calculated on completion of the requirement for Minor/Honors.
- * The grade AP is awarded to the students with exceptional performance in the Institute core courses from Academic Session 1996-1997.
- ** The grade EE is discontinued from Academic Session 1995-96 for UG Programmes only.
- *** FR Grade is introduced from Academic Session 1999-2000.



Indian Institute of Technology Bombay
Powai, Mumbai - 400 076

Official Transcripts

NAME : KOTWAL ALANKAR SHASHIKANT
DEPARTMENT : Electrical Engineering
SPECIALIZATION : Communication & Signal Processing

ROLL NO : 12D070010 DATE:07-11-2016
PROGRAM : Dual Degree Programme

NOTE: Transcript valid as of date 07/11/2016 , liable to change since student not yet graduated

Academic : 2012-2013 Semester : 1				Academic : 2012-2013 Semester : 2			
Code	Course Name	Credit	Grade	Code	Course Name	Credit	Grade
CH 103	Chemistry	6.0	BB	CS 101	Computer Programming and Utilization	6.0	AA
CH 117	Chemistry Lab	3.0	AA	EE 112	Introduction to Electronics	6.0	AA
EE 111	Introduction to Electrical Systems	6.0	AA	MA 106	Linear Algebra	4.0	AA
IC 102	Data Analysis and Interpretation	6.0	BC	MA 108	Differential Equations	4.0	BB
MA 105	Calculus	8.0	AB	ME 119	Engineering Graphics & Drawing	5.0	AA
ME 113	Workshop Practice	4.0	AB	NOCS02	NCC/NSS/NSO	0.0	PP
NOCS01	NCC/NSS/NSO	0.0	PP	PH 103	Electricity & Magnetism	6.0	BC
				PH 117	Physics Lab	3.0	AA

Academic : 2013-2014 Semester : 1				Academic : 2013-2014 Semester : 2			
Code	Course Name	Credit	Grade	Code	Course Name	Credit	Grade
EE 207	Electronic Devices & Circuits	6.0	AA	CS 213	Data Structures and Algorithms	6.0	AB
EE 225	Network Theory	6.0	AB	EE 204	Analog Circuits	6.0	AB
EE 236	Electronic Devices Lab	3.0	AA	EE 210	Signals & System	6.0	BB
HS 101	Economics	6.0	BB	EE 214	Digital Circuits Lab	3.0	AA
IC 211	Experimental and Measurement Laboratory	4.0	AA	EE 222	Electrical Machines and Power Electronics	6.0	AB
MA 205	Complex Analysis	4.0	AB	EE 224	Digital Systems	6.0	AA
MA 207	Differential Equations II	4.0	BC	EE 230	Analog Lab	3.0	BB
				EE 234	Machines Lab	4.0	BB
				PH 544	General Theory of Relativity	6.0	AB

Academic : 2014-2015 Semester : 1				Academic : 2014-2015 Semester : 2			
Code	Course Name	Credit	Grade	Code	Course Name	Credit	Grade
EE 301	Electromagnetic Waves	6.0	AB	CS 736	Algorithms for Medical Image Processing	6.0	AB
EE 308	Communication Systems	6.0	AB	CS 763	Computer Vision	6.0	AB
EE 309	Microprocessors	6.0	AB	EE 302	Control Systems	6.0	BC
EE 325	Probability and Random Processes	6.0	BB	EE 324	Control Systems Lab	3.0	AA
EE 337	Microprocessors Laboratory	3.0	AA	EE 328	Digital Communications	6.0	BB
EE 340	Communications Lab	3.0	AA	EE 334	Power Systems	6.0	BC
HS 303	Psychology	6.0	BB	EE 338	Digital Signal Processing	6.0	BB
				EE 352	Digital Signal Processing Lab	4.0	AA

Academic : 2015-2016 Semester : 1

Code	Course Name	Credit	Grade
CS 224	Computer Networks	6.0	AB
CS 475	Computer Graphics	6.0	AA
CS 709	Convex Optimization	6.0	AB
EE 638	Estimation and Identification	6.0	AA
EE 679	Speech Processing	6.0	AB

Academic : 2015-2016 Semester : 2

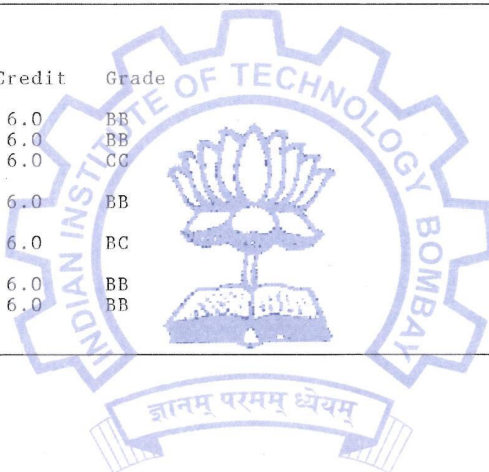
Code	Course Name	Credit	Grade
CS 490	R & D Project	6.0	AA
EE 451	Supervised Research Exposition	6.0	AA
EE 608	Adaptive Signal Processing	6.0	AA
EE 636	Matrix Computations	6.0	AB
EE 706	Communication Networks	6.0	AB
EE 708	Information Theory & Coding	6.0	AB
EE 734	Advanced Probability and Random Processes for Engineers	6.0	AB

CPI : 8.96
TOTAL CREDITS EARNED : 297.0
TOTAL CUMULATIVE POINTS : 2662.0

ADDITIONAL LEARNING

Code	Course Name	Credit	Grade
CS 207	Discrete Structures	6.0	BB
EP 222	Classical Mechanics I	6.0	BB
CS 218	Design and Analysis of Algorithms	6.0	CC
CS 663	Fundamentals of Digital Image Processing	6.0	BB
CS 725	Foundations of Machine Learning	6.0	BC
EE 605	Error Correcting Codes	6.0	BB
PH 426	Astrophysics	6.0	BB

MONTH & YEAR OF ADMISSION : JUL 2012
MONTH & YEAR OF GRADUATION :



DEPUTY REGISTRAR/ASST. REGISTRAR
(ACADEMIC)

NOTE: Transcript valid as of date 07/11/2016 , liable to change since student not yet graduated



Asst. Registrar (Academic)
Indian Institute of Technology Bombay
Powai, Mumbai - 400 076.