



# BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (INDIA)

RECORD OF ACADEMIC PERFORMANCE IN BACHELOR OF ENGINEERING (ELECTRONICS AND COMMUNICATION)

NAME OF STUDENT : ARUNA SINGH  
SESSION OF ENROLLMENT IN PROGRAMME : 2012-2013

ROLL NO : BF/6267/12  
DATE OF COMPLETION OF PROGRAMME : 18-JUN-2016

COURSE NO	TITLE	CREDIT(S)	GRADE	POINTS	SEM. REG.	ATTEMPT(S)	COURSE NO	TITLE	CREDIT(S)	GRADE	POINTS	SEM. REG.	ATTEMPT(S)
CH1401	ENGINEERING CHEMISTRY	3.0	A+	27.0	(MO/12)	1	EC5202	DIGITAL COMMUNICATION LAB	2.0	A+	18.0	(MO/14)	1
EE2301	PRINCIPLES OF ELECTRICAL ENGINEERING	4.0	B+	28.0	(MO/12)	1	EC5204	MICROWAVE LAB	2.0	A	16.0	(MO/14)	1
HU1101	TECHNICAL ENGLISH	3.0	B+	21.0	(MO/12)	1	EE4208	DIGITAL SIGNAL PROCESSING LAB	2.0	A+	18.0	(MO/14)	1
MA1201	ENGINEERING MATHEMATICS	4.0	A+	36.0	(MO/12)	1	EC6201	INTELLIGENT INSTRUMENTATION	3.0	A+	27.0	(SP/15)	1
PH1201	PHYSICS	4.0	B+	28.0	(MO/12)	1	EC6203	FIBER OPTICS COMMUNICATION SYSTEM	3.0	B	18.0	(SP/15)	1
CS1302	FUNDAMENTALS OF UNIX & C PROGRAMMING	3.0	A	24.0	(MO/12)	1	EC6205	COMPUTER NETWORKING	3.0	B	18.0	(SP/15)	1
ME1202	ENGINEERING GRAPHICS	3.0	B+	21.0	(MO/12)	1	EE6201	CONTROL THEORY	3.0	A	24.0	(SP/15)	1
PE1202	WORKSHOP PRACTICE	2.0	B	12.0	(MO/12)	1	PE6009	ENGG. ECONOMY	3.0	B+	21.0	(SP/15)	1
PH1202	PHYSICS LAB	2.0	A	16.0	(MO/12)	1	EC4202	INDUSTRIAL INSTRUMENTATION LAB	2.0	A+	18.0	(SP/15)	1
GA1008	CREATIVE ARTS	1.0	EX	10.0	(MO/12)	1	EC6204	FIBER OPTICS COMMUNICATION LAB	2.0	A+	18.0	(SP/15)	1
EC2301	PRINCIPLES OF ELECTRONICS ENGINEERING	3.0	B	18.0	(SP/13)	1	EC6206	WIRELESS COMMUNICATION & NETWORKING LAB	2.0	A	16.0	(SP/15)	1
CH1203	ENVIRONMENTAL SCIENCE	3.0	A+	27.0	(SP/13)	1	EC7201	MOBILE AND CELLULAR COMMUNICATION	3.0	A	24.0	(MO/15)	1
CS2301	FUNDAMENTALS OF DATA STRUCTURE	4.0	A	32.0	(SP/13)	1	EC7203	ANTENNAS AND PROPAGATION FOR WIRELESS COMM.	3.0	A	24.0	(MO/15)	1
MA2201	ADVANCED ENGINEERING MATHEMATICS	4.0	A+	36.0	(SP/13)	1	MEC1019	MICROELECTRONIC DEVICES & CIRCUITS	3.0	B+	21.0	(MO/15)	1
ME2301	PRINCIPLES OF MECHANICAL ENGINEERING	3.0	A+	27.0	(SP/13)	1	EC7207	SATELLITE COMMUNICATION SYSTEM	3.0	B+	21.0	(MO/15)	1
AM1261	ENGINEERING MECHANICS	4.0	B+	28.0	(SP/13)	1	MS11109	ENTREPRENEURSHIP & SMALL BUSINESS MGT.	3.0	B+	21.0	(MO/15)	1
EC2002	BASIC ELECTRONICS ENGINEERING LAB	2.0	A	16.0	(SP/13)	1	EC7202	ADVANCED COMMUNICATION LAB	2.0	B+	18.0	(MO/15)	1
LS2502	DATA STRUCTURE LAB	2.0	A	16.0	(SP/13)	1	EC7206	PROJECT	4.0	A	32.0	(MO/15)	1
EE5202	BASIC ELECTRICAL ENGINEERING LAB	2.0	B+	14.0	(SP/13)	1	MEC1137	RADAR SIGNAL ANALYSIS	3.0	A	24.0	(SP/16)	1
CH1402	CHEMISTRY LAB	2.0	A+	18.0	(SP/13)	1	EC8202	PROJECT & COMPREHENSIVE VIVA	6.0	A+	54.0	(SP/16)	1
QA2008	CREATIVE ARTS	1.0	A+	9.0	(SP/13)	1							
EC1201	VLSI DESIGN	3.0	C	15.0	(SP/14)	1							
FC4203	ANALOG COMMUNICATION SYSTEM	4.0	A	32.0	(SP/14)	1							
EC1205	MICROPROCESSOR AND MICROCONTROLLER	3.0	B+	21.0	(SP/14)	1							
SC4307	ELECTROMAGNETIC THEORY	3.0	A	24.0	(SP/14)	1							
HJ4001	FRENCH	3.0	A	24.0	(SP/14)	1							
EC4202	VLSI DESIGN LAB	2.0	C	10.0	(SP/14)	1							
FC4204	ANALOG COMMUNICATION LAB	2.0	B+	14.0	(SP/14)	1							
EC4206	MICROPROCESSOR APPLICATION LAB	2.0	B+	14.0	(SP/14)	1							
GA4008	CREATIVE ARTS	1.0	A+	9.0	(SP/14)	1							
EC3201	DIGITAL ELECTRONICS	4.0	B+	28.0	MO/13	1							
EC2203	MODERN INSTRUMENTS AND MEASUREMENTS	3.0	A+	27.0	MO/13	1							
EC3205	SEMICONDUCTOR DEVICES	3.0	B	18.0	MO/13	1							
EE3205	NETWORK THEORY	4.0	B+	28.0	MO/13	1							
BT3021	BIOLOGICAL SCIENCE	3.0	B+	21.0	MO/13	1							
EC3202	DIGITAL ELECTRONICS LAB	2.0	A+	18.0	MO/13	1							
EC3204	MODERN INSTRUMENTS AND MEASUREMENTS LAB	2.0	B+	14.0	MO/13	1							
AM2302	ENGINEERING MECHANICS LAB	2.0	A+	18.0	MO/13	1							
GA3008	CREATIVE ARTS	1.0	EX	10.0	MO/13	1							
EC3201	DIGITAL COMMUNICATION SYSTEM	3.0	A+	27.0	(MO/14)	1							
EC5203	MICROWAVE ENGINEERING	3.0	A+	27.0	(MO/14)	1							
EC5205	DATA COMMUNICATION	3.0	B+	21.0	(MO/14)	1							
EE4207	DIGITAL SIGNAL PROCESSING	4.0	A	32.0	(MO/14)	1							
MSH131	PRINCIPLES OF MANAGEMENT	3.0	A+	27.0	(MO/14)	1							

CREDITS CREDITED : 179.00

POINTS OBTAINED : 1390.00

CGPA : 7.77

% OF MARKS IN AGGREGATE : 77.7

CLASS : FIRST WITH DISTINCTION

MO - MONSOON ; SP - SPRING ; SS - SHORT / SUMMER ; WI - WINTER ; TR - BY TRANSFER / LATERAL ENTRY

For Explanation, Please See Overleaf  
NC - Not Considered For CGPA

Checked By: [Signature]

Dr. J. P. Pandey  
Controller of Examinations  
Birla Institute of Technology  
Mesra-835215 : (Ranchi) India

## GENERAL INFORMATION

- Abbreviation used in the transcript stand for :  
NCC = Training in National Cadet Corps  
NSS = Training in National Social Service  
CA = Creative Arts  
PT & Games = Physical Training and Games
- Monsoon Semester  
Spring Semester  
Short (Summer) Semester  
= (Mid July to Mid Dec.) of 5 months  
= (Jan. to May) of 5 months  
= (June to Mid July) 1.5 months
- To qualify for the degree a student should earn a minimum of 179 credit for BE, 203 credit for BPHARM, 221 credit for BARCH including 1 credit for NCC/NSS/CA/PT & Games.
- The academic performance of a student is indicated by a letter grade system in the 10 Point scale.
- Each of the letter grade earns the points as under :  
Grade for Credit Course  
Ex : 10.00 Points  
A+ : 9.00 Points  
A : 8.00 Points  
B+ : 7.00 Points  
B : 6.00 Points  
C : 5.00 Points  
D : 4.00 Points  
F : 0.00 Points
- Full Marks for per Course = 100
- To earn academic credit in a subject, a student should get grading of C or above.
- CGPA (Cumulative Grade Point Average) =  $\frac{\text{Aggregate of Points obtained in all Sem.}}{\text{Total No. of Credit taken}}$   
CGPA is rounded all to 2<sup>nd</sup> decimal place.
- Conversion of CGPA into percentage marks: Percentage marks = CGPA x 10.
- The class / division to a successful graduating student is awarded on the basis of :  
(i) CGPA of 7.00 and above = First Class with Distinction  
(ii) CGPA of 6.00 to 6.99 = First Class  
(iii) CGPA of 5.00 to 5.99 = Second Class

\*\*\* 2011 Batch Onwards \*\*\*