



MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY
BHOPAL (INDIA) -462003
Office of Examinations
OFFICIAL TRANSCRIPT

This is to certify that Ms. SHATI BISWAS Scholar No.141112093 is a bonafide student of Maulana Azad National Institute of Technology, Bhopal, India from July 2014 for the Bachelor's degree course (8 Semester course) Bachelor of Technology (B.Tech) in Computer Science & Engineering and has successfully completed 8 semester course as of April 2018.

Following is the detailed examination /grading scheme as prescribed for the degree course Computer Science & Engineering along with her performance in the semester examinations-

PERIOD OF STUDY: 4 Years from July 2014 to April 2018

- Each Semester is of sixteen weeks duration and there are eight such semesters.
- Each lecture is of 50 minutes duration.
- Maulana Azad National Institute of Technology, BHOPAL, INDIA employs a Grade Point Average (GPA) system (out of 10) for the B.Tech. course.
- Grade point average systems were introduced in July 2003. Percentage systems existed earlier.
- Relative grading started from July 2011 (exam held in Nov 2011).

Relative Grading Effective from Nov.2011 Exam		
Grade	Grade Points	Description of Performance
A+	9.00 to 10.00	Outstanding
A	8.00 to 8.99	Excellent
B+	7.00 to 7.99	Very Good
B	6.00 to 6.99	Good
C	5.00 to 5.99	Satisfactory
D	4.00 to 4.99	Pass
F	< 4.00 (0 to 3.99)	Fail

Formula for Calculation of SGPA, CGPA and GGPA:-

$$SGPA = \frac{\sum (\text{number of credits earned in each subject} \times \text{grade points of respective subject})}{\text{Total number of credits in that semester}}$$

CGPA = Mean of ODD and Even Semester SGPA's.

GGPA = Mean of all CGPA's.

Detailed official copies of the Transcripts are hereby enclosed.

Prepared by

Checked by

10th -Sep.-2018

प्रो. वी. सी. शर्मा
Prof. V.C. Examinations
मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान
Maulana Azad National Institute of Technology
भोपाल - 462003 (म.प्र.) भारत
Bhopal - 462003 (M.P.) INDIA



MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL-462003, MP, INDIA

NAME : SHATI BISWAS
COURSE : B.TECH. (IV YEARS DEGREE COURSE)
SEMESTER : I (EX)

BRANCH : COMPUTER SCIENCE & ENGINEERING

Office of Examinations
Transcript Statement of Marks/Grades

Year : 2014 - 2018
Scholar No : 141112093

Subject Code	Subject Name	Credits	Credits Earned	Grade Point Index	Grade
MTH 111	MATHEMATICS I	3.00	3.00	4.24	D
CHM 122	ENGINEERING CHEMISTRY	3.00	3.00	6.34	B
CE 123	ENVIRONMENT ENGINEERING	3.00	3.00	9.14	A+
EE 124	BASIC ELECTRONICS AND ELECTRICAL ENGINEERING	3.00	3.00	5.05	C
ME 125	SOLID MECHANICAL ENGINEERING	3.00	3.00	4.89	D
AM 126	WORKSHOP PRACTICE	3.00	3.00	6.35	B
EE 127	ELECTRICAL AND ELECTRONICS LAB	1.00	1.00	8.40	A
EE 128	CHEMISTRY LAB	1.00	1.00	7.65	B+
CHM 129		2.00	2.00		B+
SGPA : 6.36		22.00	22.00	Result : Pass	

Subject Code		Subject Name		MAY-2010		
		Credits	Credits Earned	Grade Point Index	Grade	
MTH	121	3.00	3.00	4.04	D	
CE	112	3.00	3.00	6.20	B	
PHY	113	3.00	3.00	6.06	B	
HUM	114	3.00	3.00	6.54	B	
CS	115	3.00	3.00	4.40	D	
ME	116	3.00	3.00	4.56	D	
CS	117	2.00	2.00	7.03	B+	
PHY	118	2.00	2.00	8.72	A	
SGPA : 5.78		22.00	22.00	Result : Pass		
CGPA : 6.07						

Subject Code	Subject Name	Credits	Credits Earned	Grade Point Index	Grade
CSE 211	DISCRETE STRUCTURE	3.00	3.00	5.23	C
CSE 212	DATA STRUCTURE	3.00	3.00	4.69	D
CSE 213	DIGITAL ELECTRONICS	3.00	3.00	5.10	C
CSE 214	DIGITAL COMMUNICATION	3.00	3.00	5.05	C
CSE 215	COMPUTER GRAPHICS	3.00	3.00	8.60	A
CSE 216	LINEAR ALGEBRA & NUMERICAL METHODS	3.00	3.00	6.06	B
CSE 217	DATA STRUCTURE LAB	2.00	2.00	6.84	B
CSE 218	DIGITAL ELECTRONICS LAB	1.00	1.00	7.89	B+
CSE 219	COMPUTER GRAPHICS LAB	1.00	1.00	9.13	A+
CSE 220	LAB - I (PYTHON / VHDL)	1.00	1.00	7.93	B+
SGPA : 6.41		23.00	23.00	Result: Pass	

Grade 2002 - 2003					
Subject Code	Subject Name	Credits	Credits Earned	Grade	Grade
CSE 221	PROBABILITY AND QUEUING THEORY	3.00	3.00	5.11	C
CSE 222	COMPUTER ARCHITECTURE	3.00	3.00	5.06	C
CSE 223	THEORY OF COMPUTATION	3.00	3.00	5.67	C
CSE 224	DATABASE MANAGEMENT SYSTEM	3.00	3.00	6.25	B
CSE 225	ANALYSIS AND DESIGN OF ALGORITHM	3.00	3.00	4.16	D
CSE 226	SOFTWARE ENGINEERING	3.00	3.00	5.89	C
CSE 227	DBMS LAB - I	2.00	2.00	7.07	B+
CSE 228	ADA LAB II	1.00	1.00	7.66	B+
CSE 229	SE LAB III	1.00	1.00	7.98	B+
CSE 230	LAB - II (JAVA/PHP)	1.00	1.00	8.19	A
SGPA : 5.04	CGPA : 6.03	23.00	23.00	Result : Pass	
Nov-2016					

Detailed Mark Sheet - CSE311/17					
Subject Code	Subject Name	Credits	Credits Earned	Grade Point Index	Grade
CSE 311	COMPIILER DESIGN	3.00	3.00	6.49	B
CSE 312	OPERATING SYSTEM	3.00	3.00	4.56	D
CSE 313	MICROPROCESSOR	3.00	3.00	6.34	B
CSE 335	DISTRIBUTED DATABASE	3.00	3.00	5.50	C
CSE 343	PRINCIPLES OF PROGRAMMING LANGUAGES	3.00	3.00	8.28	A
CSE 352	OBJECT ORIENTED DESIGN & MODELING	1.00	1.00	7.20	B+
CSE 315	COMPIILER DESIGN LAB I	1.00	1.00	8.63	A
CSE 316	MICROPROCESSOR LAB II	1.00	1.00	8.05	A
CSE 319	MINOR PROJECT	1.00	1.00	7.78	B+
CSE 317	OPERATING SYSTEM LAB	1.00	1.00	5.88	C
CSE 318	LAB - III (ANDROID / MATLAB)	1.00	1.00	8.32	A
SGPA : 6.64		23.00	23.00	Result : Pass	

SEMESTER : VI (Regular)				
Apr 2017				
Subject Code	Subject Name	Credits	Credits Earned	Grade Point Index
CSE 321	COMPUTER NETWORKS	3.00	3.00	6.19
CSE 322	DATA WARE HOUSING AND MINING	3.00	3.00	8.82
CSE 323	ARTIFICIAL INTELLIGENCE	3.00	3.00	6.95
CSE 342	ADVANCED DATA STRUCTURE	3.00	3.00	6.84
CSE 339	DIGITAL IMAGE PROCESSING	3.00	3.00	7.96
CSE 334	UNIX INTERNAL SHELL PROGRAMMING	3.00	3.00	7.03
CSE 335	COMPUTER NETWORK LAB - I	1.00	1.00	7.55
CSE 328	LAB IV (HADOOP / CUIA)	2.00	2.00	6.77
CSE 337	MINOR PROJECT	2.00	2.00	7.37
CSE 326	DATA WAREHOUSING & MINING LAB	2.00	2.00	8.67
SGPA : 7.38	CGPA : 7.01	25.00	25.00	Result : Pass

Subject Code	Subject Name	Credits	Credits Earned	Grade Point Index	Grade
CSE 411	TCP / IP & WEB TECHNOLOGY	3.00	3.00	7.75	B+
CSE 443	BIG DATA ANALYTICS	3.00	3.00	8.31	A
CSE 442	WEB SEARCH AND MINING	3.00	3.00	6.50	B
CSE 436	ETHICAL HACKING	3.00	3.00	8.67	A
CSE 433	CYBER CRIME AND INFORMATION WARFARE	3.00	3.00	8.28	A
CSE 412	LAB - TCP / IP & WEB TECHNOLOGY	1.00	1.00	7.14	B+
CSE 413	MAJOR PROJECT & SEMINAR	2.00	2.00	8.35	A
CSE 414	INTERNSHIP / INDUSTRIAL TRAINING	1.00	1.00	8.82	A
CSE 415	SEMINAR	1.00	1.00	7.47	B+
SGPA : 7.96			20.00	Result : Pass	

Subject Code	Subject Name	Credits	Credits Earned	Grade Point Index	Grade
CSE 421	NETWORK SECURITY	3.00	3.00	6.85	B
CSE 427	NATURAL LANGUAGE PROCESSING	3.00	3.00	8.40	A
CSE 437	BIONETRICS	3.00	3.00	8.72	B
CSE 431	GRAPH THEORY	3.00	3.00	6.37	B
CSE 432	CLOUD COMPUTING	3.00	3.00	9.13	A+
CSE 422	MAJOR PROJECT	2.00	2.00	8.84	A+
CSE 423	GENERAL PROFICIENCY	2.00	2.00	7.42	B+
CSE 425	SEMINAR	1.00	1.00	8.35	A
SGPA : 7.66					
CGPA : 7.41					
CGPA : 6.73					
		20.00	20.00	Result : Pass	

Passed the UG course with Gross Grade Point Average (GGPA) of 6.73 on 10 point scale

Prepared By:
Checked By:
Prof. IIC Examinations
Maulana Azad National Institute of Technology
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मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान, भोपाल



मध्य प्रदेश, भारत

अभिषद् की अनुशंसा पर

Scholar No. 141112093

शती बिसवास

को

कम्प्यूटर विज्ञान एवं अभियांत्रिकी

में

प्रौद्योगिकी स्नातक

की उपाधि उनके द्वारा इस उपाधि की अवाप्ती हेतु विनियम विहित अहर्ताओं को सफलतापूर्वक

पूर्णकर निर्धारित परीक्षा अप्रैल 2018 में उत्तीर्ण होने पर एतद् द्वारा प्रदान करता है।

10 अंकीय मापकम में इनकी कुल कोटि अंक माध्य 6.73 है।

भारतीय गणराज्य के अंतर्गत भोपाल में आज दिनांक 9 सितंबर 2018 को संस्थान की मुद्रा सहित दी गई।

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL

Madhya Pradesh, India

Upon recommendation of the Senate, hereby confers the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE & ENGINEERING

on

SHATI BISWAS

who has completed the requirements prescribed under the regulations

for the award of this Degree and passed the examination in **APRIL 2018**

with Gross Grade Point Average of **6.73** on a 10 point scale.

Given this day, the **9th September 2018** under the seal of the Institute at Bhopal in the Republic of India.

निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate



अध्यक्ष, शासी निकाय
Chairperson, Board of Governors