

क्रम संख्या/  
S. No. SSE / 2017 /

0535918

पंजीकरण सं. Registration No.: C117/25213/0019

# केन्द्रीय माध्यमिक शिक्षा बोर्ड Central Board of Secondary Education



माध्यमिक विद्यालय परीक्षा (वर्ष : 2017)  
SECONDARY SCHOOL EXAMINATION (YEAR : 2017)

कक्षा X ग्रेड शीट सह निष्पादन प्रमाण पत्र  
Class X Grade Sheet cum Certificate of Performance

यह प्रमाणित किया जाता है कि This is to Certify that **BHAWNA AHUJA**

अनुक्रमांक Roll No.: **2292169**

माता का नाम Mother's Name **ANU**

पिता/संरक्षक का नाम Father's / Guardian's Name **SANJAY KUMAR**

जन्म तिथि Date of Birth **15/04/2001 15TH APRIL TWO THOUSAND ONE**

विद्यालय School **25213-D A V PUB SCH COLLEGE RD SUNAM DT SANGRUR PUNJAB**

का निष्पादन निम्नानुसार रहा has performed as follows :

शैक्षणिक निष्पादन - कक्षा X Academic Performance - Class X शैक्षिक क्षेत्र Scholastic Areas

विषय कोड तथा नाम Subject Code and Name	Formative Assessment (FA) Grade	Summative Assessment (SA) Grade	Overall Grade (FA+SA)	
			Grade	Grade Point (GP)
101 ENGLISH COMM.	A1	A2	A1**	10
004 PUNJABI	A1	A1	A1	10
041 MATHEMATICS	A1	A1	A1	10
086 SCIENCE	A1	A2	A1	10
087 SOCIAL SCIENCE	A1	A1	A1	10
ADDITIONAL SUBJECT				
402 INFO TECHNOLOGY(O)	A1	A1	A1	10

संचित ग्रेड बिन्दु का औसत (सीजीपीए) Cumulative Grade Point Average (CGPA) : **10.0**

\* कथन और श्रवण कौशलों (एएसएल) के आकलन में ग्रेड Grade in Assessment of Speaking and Listening Skills (ASL) **A1**

\*\* सह-शैक्षिक क्षेत्र में निष्पादन के अनुसार उन्नत ग्रेड Upgraded Grade based on performance in the Co-Scholastic areas of the candidate

परिणाम Result : **QUALIFIED FOR ADMISSION TO HIGHER CLASSES**

दिल्ली  
दिनांक Dated **03-06-2017**

परीक्षा नियंत्रक  
Controller of Examinations





केन्द्रीय माध्यमिक शिक्षा बोर्ड  
CENTRAL BOARD OF SECONDARY EDUCATION  
अंक विवरणिका  
MARKS STATEMENT

सीनियर स्कूल सर्टिफिकेट परीक्षा, 2019

ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION, 2019

परीक्षार्थी का नाम Name of Candidate BHAWNA AHUJA

अनुक्रमांक Roll No. 2773532

माता का नाम Mother's Name ANU

पिता/संरक्षक का नाम Father's/Guardian's Name SANJAY KUMAR

विद्यालय School 25213-D A V PUB SCH COLLEGE RD SUNAM DT SANGRUR PUNJAB

विषय कोड SUB. CODE	विषय SUBJECT	प्राप्तांक MARKS OBTAINED				स्थितीय ग्रेड POSITIONAL GRADE
		लिखित THEORY	प्रायोगिक PRACTICAL	योग TOTAL	योग शब्दों में TOTAL IN WORDS	
301	ENGLISH CORE	090	XXX	090	NINETY	A1
042	PHYSICS	060	028	088	EIGHTY EIGHT	A2
043	CHEMISTRY	056	029	085	EIGHTY FIVE	A2
041	MATHEMATICS	095	XXX	095	NINETY FIVE	A1
048	PHYSICAL EDUCATION	064	029	093	NINETY THREE	A1
500	WORK EXPERIENCE					A1
502	HEALTH & PHY. EDUCATION					A1
503	GENERAL STUDIES					A1

संक्षिप्तियों का अर्थ : Abbreviations

AB : अनुपस्थित Absent

परिणाम Result PASS

FP : प्रयोगात्मक में असफल Fail in Practical

FT : लिखित में असफल Fail in Theory



Sr. No. 0025976

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ:35 ਤਹਿਤ ਸਥਾਪਤ)

PUNJABI UNIVERSITY, PATIALA

Roll No. 11901069



Regd. No. 7141-2019-169

B. TECH. (C. S. E./E. C. E/E. C. M./M. E/Civil Engg.) Part-I (SEMESTER-I)  
Examination: November, 2019

NAME : BHAWNA AHUJA  
FATHER'S NAME : SANJAY KUMAR  
MOTHER'S NAME : ANU

## RESULT-CUM-GRADE CARD

Paper	Course No.	Course title	Credits	Secured Grade
I.	CPE 101	Computer Programming	3.5	A
II.	ECE 101	Basic Electrical Engineering	3.5	B+
III.	MCE 102	Manufacturing Processes	3.0	A
IV.	BAS 101	Applied Physics-I	3.5	B
V.	BAS 102	Applied Mathematics-I	3.5	A+
VI.	CPE 151	Computer Programming Lab	1.0	A+
VII.	BAS 151	Applied Physics-I Lab	1.0	B+
VIII.	MCE 152	Manufacturing Processes Lab	1.5	A
IX.	ECE 153	Electrical and Electronics Lab	1.0	A+

Current Credits : 21.5 Current Grade Points : 166.00

Semester Grade Point Average (SGPA) : 7.72

*Sewa Singh*

Patiala  
Dated: 02.09.2020

Asstt./Deputy Registrar (Examinations)  
for Controller (Examinations)

ਤਿਆਰ ਕਰਤਾ .....  
Prepared by

ਪੜਤਾਲ ਕਰਤਾ .....  
Checked by

ਨਿਗਰਾਨ .....  
Supdt.



Sr. No. 0263723

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

## PUNJABI UNIVERSITY, PATIALA



Roll No. 11901069

Regd. No. 7141-2019-0169

**B.TECH. (C.S.E/E.C.E/E.C.M/M.E/Civil Engg.) Part-I (SEMESTER-II)**  
**Examination, May, 2020**

NAME **BHAWNA AHUJA**

FATHER'S NAME **SANJAY KUMAR**

MOTHER'S NAME **ANU AHUJA**

### RESULT-CUM-GRADE CARD

Paper	Course No.	Course title	Credits	Secured Grade
I	HSS 101	Communication Skills	2.5	A
II	ECE 105	Digital Circuits & Logic Design	3.5	A
III	BAS 103	Applied Chemistry	3.5	A
IV	CPE 103	Object Oriented Programming Using C++	3.5	A+
V	BAS 105	Applied Mathematics-II	3.5	A+
VI	MCE 151	Engineering Graphics	4.0	A+
VII	BAS 153	Applied Chemistry Lab	1.0	A
VIII	CPE 153	Object Oriented Programming Using C++ Lab	1.0	A

Current Credits **22.5** Current Grade Points **191.00**

Semester Grade Point Average (SGPA) **8.49**

Patiala

Dated: 19.03.2021

Asstt. Deputy Registrar (Examinations)  
for Controller (Examinations)

ਤਿਆਰ ਕਰਤਾ  
Prepared by

88

ਪੜਤਾਲ ਕਰਤਾ  
Checked by

Signature

ਨਿਗਰਾਨ  
Supdt.

Signature



Sr. No. 0277887

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ:35 ਤਹਿਤ ਸਥਾਪਤ)

## PUNJABI UNIVERSITY, PATIALA



Roll No. 11901069

Regd. No. 7141-2019-0169

### B.TECH. (COMPUTER SCIENCE & ENGINEERING) Part-II (SEMESTER-III)

Examination: November, 2020

NAME : BHAWNA AHUJA  
FATHER'S NAME : SANJAY KUMAR  
MOTHER'S NAME : ANU AHUJA

### RESULT-CUM-GRADE CARD

Paper	Course	Course Title	Credits	Secured Grade
I.	CPE-201	Computer System Architecture	3.5	A+
II.	CPE-202	Python Programming	3.5	A+
III.	CPE-203	Data Structures	3.5	A+
IV.	CPE-204	Computer Networks	3.5	A+
V.	CPE-205	Discrete Mathematical Structures	3.5	D
VI.	CPE-206	Database Management System	3.5	A+
VII.	CPE-252	Python Programming Lab	1.0	A+
VIII.	CPE-253	Data Structures Lab	1.0	D
IX.	CPE-256	Database Management System Lab	1.0	D

Current Credits : 24 Current Grade Points : 219.50

Semester Grade Point Average (SGPA) : 9.15

Punjabi as a qualifying subject:- A+

Environment and Road Safety Awareness as a qualifying subject:- A

Jaswant Kaur

Patiala Dated: 15.07.2021 Asstt./Deputy Registrar (Examinations) for Controller (Examinations)

Prepared by ਤਿਆਰ ਕਰਤਾ

Checked by ਪੜਤਾਲ ਕਰਤਾ

Supdt. ਨਿਗਰਾਨ



Sr. No. 0313171

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ:35 ਤਹਿਤ ਸਥਾਪਤ)

## PUNJABI UNIVERSITY, PATIALA



Roll No. 11901069

Regd. No. 7141-2019-0169

**B. TECH. (COMPUTER SCIENCE & ENGINEERING) Part-II (SEMESTER IV)**

**Examination: May, 2021**

**NAME UNIVERSITY BHAWNA AHUJA**  
**FATHER'S NAME : SANJAY KUMAR**  
**MOTHER'S NAME ANU AHUJA**

### RESULT-CUM-GRADE CARD

Paper	Course	Course title	Credits Secured	Grade
I.	CPE-207	Web Technologies	3.5	A <sub>1</sub>
II.	CPE-208	Operating Systems	3.5	A <sub>1</sub>
III.	CPE-209	Software Engineering	3.5	A <sub>1</sub>
IV.	CPE-210	Computer Graphics	3.5	A <sub>1</sub>
V.	CPE-212	Microprocessor & Assembly Language Programming	3.5	A <sub>1</sub>
VI.	HSS-201	Management Practice & Organization Behaviour	3.5	A <sub>1</sub>
VII.	CPE-257	Web Technologies Lab	1.0	A <sub>1</sub>
VIII.	CPE-258	Operating Systems Lab	1.0	A <sub>1</sub>
IX.	CPE-260	Computer Graphics Lab	1.0	A <sub>1</sub>
X.	CPE-262	Microprocessor & Assembly Language Programming Lab	1.0	A <sub>1</sub>

**Current Credits : 25**      **Current Grade Points : 230.50**  
**Semester Grade Point Average (SGPA) : 9.22**

**Drug Abuse/ Problem Management And Prevention as a qualifying subject: -A**

*Jaswant Kaur*

**Asstt./Deputy Registrar (Examinations) for Controller (Examinations)**

**Patiala Dated: 08.11.2021**

99

*Hawal*

ਤਿਆਰ ਕਰਤਾ  
**Prepared by**

ਪੜਤਾਲ ਕਰਤਾ  
**Checked by**

ਨਿਗਰਾਨ  
**Supdt.**



Sr. No. 0335116

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ: 35 ਤਹਿਤ ਸਥਾਪਤ)

## PUNJABI UNIVERSITY, PATIALA



Roll No. 11901069

Regd. No. 7141-2019-0169

### B. TECH. (COMPUTER SCIENCE & ENGINEERING) Part-III (SEMESTER-V)

Examination: November, 2021

**NAME** BHAWNA AHUJA  
**FATHER'S NAME** SANJAY KUMAR  
**MOTHER'S NAME** ANU AHUJA

### RESULT-CUM-GRADE CARD

Paper	Course	Course title	Credits	Secured	Grade
I	CPE-301	Theory of Computation	3.5	A+	
II	CPE-302	Cryptography and Network Security	3.5	B+	
III	CPE-303	Artificial Intelligence	3.5	D	
IV	CPE-304	Java Programming	3.5	A+	
V	CPE-305	Algorithm Analysis & Design	3.5	A+	
VI	CPE-306	Digital Image Processing	3.5	B+	
VII	CPE-352	Cryptography and Network Security Lab	1.0	A	
VIII	CPE-354	Java Programming Lab	1.0	A+	
IX	CPE-355	Algorithm Analysis & Design Lab	1.0	A+	
X	CPE-356	Digital Image Processing Lab	1.0	A	
XI	STG-351	Summer Training	6.0	D	

**Current Credits** 31.00 **Current Grade Points** 272.50

**Semester Grade Point Average (SGPA)** 8.79

*Jaswant Singh*

Asstt./Deputy Registrar (Examinations)  
for Controller (Examinations)

Dated 10.06.2022

ਤਿਆਰ ਕਰਤਾ  
Prepared by

ਪੜਤਾਲ ਕਰਤਾ  
Checked by

ਨਿਗਰਾਨ  
Supdt.



Sr. No. 0306895

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ:35 ਤਹਿਤ ਸਥਾਪਤ)

## PUNJABI UNIVERSITY, PATIALA



Roll No. 11901069

Regd. No. 7141-2019-0169

**B.TECH. (COMPUTER SCIENCE & ENGINEERING) Part-III (SEMESTER-VI)**  
**Examination: May, 2022**

NAME : **BHAWNA AHUJA**

FATHER'S NAME : **SANJAY KUMAR**

MOTHER'S NAME : **ANU AHUJA**

### RESULT-CUM-GRADE CARD

Paper	Course	Course title	Credits	Secured Grade
I.	CPE-308	RDBMS Using PL/SQL	3.5	A+
II.	CPE-309	Mobile Apps Development	3.5	A+
III.	CPE-310	Compiler Design	3.5	A+
IV.	CPE-311	Cloud Computing	3.5	D
V.	CPE-312	Machine Learning	3.5	A+
VI.	CPE-314	Internet of Things	3.5	A+
VII.	CPE-358	RDBMS Using PL/SQL Lab	1.0	0
VIII.	CPE-359	Mobile Apps Development Lab	1.0	0
IX.	CPE-362	Machine Learning Lab	1.0	0
X.	HSS-351	Communication Skills Lab	1.0	A

Current Credits : 25.0

Current Grade Points : 230.50

Semester Grade Point Average (SGPA) : 9.22

Patiala  
Dated: 19.10.2022

Asstt./Deputy Registrar (Examinations)  
for Controller (Examinations)

ਤਿਆਰ ਕਰਤਾ  
Prepared by

ਪੜਤਾਲ ਕਰਤਾ  
Checked by

ਨਿਗਰਾਨ  
Supdt.



Sr. No. 0225060

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ)

## PUNJABI UNIVERSITY, PATIALA

Roll No. 11901069

Regd. No. 7141-2019-0169



### B.TECH. (COMPUTER SCIENCE & ENGINEERING) Part-IV (SEMESTER-VII) Examination: November, 2022

NAME: BHAWNA AHUJA

FATHER'S NAME: SANJAY KUMAR

MOTHER'S NAME: ANU AHUJA

### RESULT-CUM-GRADE CARD

Paper	Course	Course title	Credits	Secured Grade
I.	CPE-401	Computer Crime Investigation and Forensics	3.5	A+
II.	CPE 402	Data Mining & Warehousing	3.5	A+
III.	CPE-403	Natural Language Processing	3.5	A+
IV.	CPE 405	Soft Computing	3.5	A+
V.	CPE-407	E-Commerce	3.0	B
VI.	CPE-450	Major Project	2.0	A+
VII.	CPE 451	Computer Crime Investigation and Forensics Lab	1.0	A+
VIII.	CPE-452	Data Mining & Warehousing Lab	1.0	A+

Current Credits: 21.0      Current Grade Points: 192.00

Semester Grade Point Average (SGPA): 9.14

Patiala  
Dated: 03.05.2023

Asstt./Deputy Registrar (Examinations)  
for Controller (Examinations)

Prepared by

Checked by

Supdt.



Sr. No. 0104592

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਤ)

## PUNJABI UNIVERSITY, PATIALA



Roll No. 11901069

Regd. No. 7141/2019/169

### BACHELOR OF TECHNOLOGY (COMPUTER SCIENCE & ENGINEERING) Part-IV (SEMESTER-VIII)

Examination: May, 2023

**NAME:** BHAWNA AHUJA  
**FATHER'S NAME:** SANJAY KUMAR  
**MOTHER'S NAME:** ANU AHUJA

### RESULT CUM GRADE CARD

Input CGPA : 8.84

**Paper Course Course Title Credits Secured Grade**

### I. PRJ451 Project Based Industrial Training 20 A1

**Current Credits 20.00 Current Grade Points 180.00**

**Semester Grade Point Average (SGPA) 9.00**

**Previous Credits 170.0 Previous Grade Points 1502.00**

**Total Credits 190.0 Total Grade Points 1682.00**

**Cumulative Grade Point Average (CGPA) 8.85**

**Patiala Dated: 18.07.2023**  
**Asstt./Deputy Registrar (Examinations) for Controller (Examinations)**

**ਤਿਆਰ ਕਰਤਾ 87.9 ਪੜਤਾਲ ਕਰਤਾ ਨਿਗਰਾਨ**  
**Prepared by Checked by Supdt.**







# Department of Computer Science & Engineering

PUNJABI UNIVERSITY, PATIALA

(Established under Punjab Act. No. 35 of 1961)



ਮੁਖੀ  
ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਐਂਡ ਇੰਜੀਨੀਅਰਿੰਗ ਵਿਭਾਗ

Head  
Department of Computer Science & Engineering

Ref. No. 111.6./CSE-SS

Date : 26/12/22.....

Respected Sir/Mam:

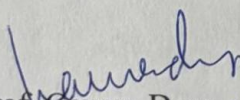
I am writing this reference at the request of Bhawna Ahuja who is appearing as an intern at Rellins Technologies.

I have known Bhawna Ahuja for three years in my capacity as a Professor at Punjabi University, Patiala. She earned superior grades, attendance and lecture participation, I'd rate Bhawna's academic performance in my class as superior.

Bhawna has a number of strengths to offer as an employer. Bhawna always interested in supporting others. For example, this year when we worked in our college Fest, she was helpful to me in collecting and organizing the sponsors as well as in cultural events here in Patiala.

In conclusion, I would highly recommend Bhawna. If her performance in my class is any indication of how she'd perform in your position, She will be a positive addition to your organization. If you should ever need any additional information you can feel free to contact me at 869979499 anytime.

Sincerely,

  
Prof. Gaurav Deep  
Department of Computer Science & Engg.  
Punjabi University, Patiala-147002



# Department of Computer Science & Engineering

PUNJABI UNIVERSITY, PATIALA

(Established under Punjab Act. No. 35 of 1961)



ਮੁਖੀ  
ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਐਂਡ ਇੰਜੀਨੀਅਰਿੰਗ ਵਿਭਾਗ

Head  
Department of Computer Science & Engineering

Ref. No.: 1114 / CSE-33

Date: 26/12/22

Respected Sir/Mam:

I am writing this reference at the request of Bhawna Ahuja who is appearing as an intern at Rellins Technologies.

I have known Bhawna Ahuja for three years in my capacity as a Professor at Punjabi University, Patiala. She earned superior grades, attendance and lecture participation, I'd rate Bhawna's academic performance in my class as superior.

Bhawna has a number of strengths to offer as an employer. Bhawna always interested in supporting others. For example, this year when we worked in our college Fest, she was helpful to me in collecting and organizing the sponsors as well as in cultural events here in Patiala.

In conclusion, I would highly recommend Bhawna. If her performance in my class is any indication of how she'd perform in your position, She will be a positive addition to your organization. If you should ever need any additional information you can feel free to contact me at 9814837334 anytime.

Sincerely,

Prof. Dhayleesh Rattan  
Department of Computer Science & Engg.  
Punjabi University, Patiala-147002





# Relinns Technologies

Reliability | Innovation | Speed

Ref: HR/INT/2022/37

27-04-2023

## TO WHOMSOEVER IT MAY CONCERN

This is to confirm that Bhawna Ahuja is doing his/her training with **Relinns Technologies** in Engineering

**Date of Joining (DOJ): 02 Jan, 2023**

**Training Duration: 6 months from DOJ**

The work undertaken by him/her contains proprietary data of Relinns Technologies which cannot be shared outside of **Relinns Technologies**.

**Relinns Technologies**

A handwritten signature in black ink, appearing to read "Rohit Garg".

For Relinns Technologies

Authorised Signatory

Rohit Garg

Founder

---

**Relinns Technologies**

D-151, Ground Floor, Phase 8 Ind. Area, Sector 72, Mohali - 160055

GSTIN 03AATFR6692J1ZH



Certificate No.: NCLKO/16109

Reg. No.: NIELIT/LKO/OL/  
C02/3297

**National Institute of Electronics & Information Technology**  
(An Autonomous Scientific Society of Ministry of Electronics & Information Technology, Govt. of India)



**Certificate**

This is to certify that

Bhawna Ahuja

D/o Sanjay Kumar

has successfully completed

a course of 6 <sup>✓</sup> week(s) / hour(s) duration from 29/06/2021 to 13/08/2021

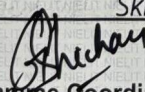
on Certificate Course in Machine Learning using Python

conducted by NIELIT Lucknow in Online Mode with S Grade.

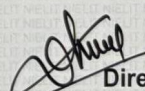
**Curriculum of the Course**

Machine Learning Algorithms with its implementation in Python; Module: NumPy, Pandas, Matplotlib,

Sklearn; Mini Projects related with Regression, Classification, Clustering problem

  
Programme Coordinator

Date : 03/09/2021

  
Director







पिता / कानूनी अभिभावक का नाम / Name of Father / Legal Guardian

**SANJAY KUMAR**

माता का नाम / Name of Mother

**ANU**

पति या पत्नी का नाम / Name of Spouse

पता / Address

**HOUSE NO-104, WARD NO-18 MUHALA KAJIAN WALA**

**SUNAM, SANGRUR**

**PIN: 148028, PUNJAB, INDIA**

पुराने पासपोर्ट का न. और इसके जारी होने की तिथि एवं स्थान / Old Passport No. with Date and Place of Issue

फाइल न / File No.

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