LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Delhi G.T. Road, Phagwara, Punjab (India)-144411

Established by the State Legislature of Punjab through the Lovely Professional University Act and Recognized by UGC under Section 2(f) of the UGC Act, 1956

# Academic Transcript

**Student Name** : Sonali Singh

**Registration no.** : 12007438

**Father's Name** : Mr. Santosh Singh

**Mother's Name** : Ms. Rekha Singh

**Programme** : Bachelor of Technology (Computer Science and Engineering)

**Mode** : Regular (Full Time)

**Date of initial registration : August,2020**

**TERM-I** — **TGPA : 7.13** — **Equivalent percentage : 71.30 %**

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | CHE110 :: ENVIRONMENTAL STUDIES | 4 | A |
| 2 | CSE101 :: COMPUTER PROGRAMMING | 3 | O |
| 3 | ECE131 :: BASIC ELECTRICAL AND ELECTRONICS ENGINEERING | 4 | B |
| 4 | ECE132 :: BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY | 1 | O |
| 5 | MEC107 :: BASIC ENGINEERING MECHANICS | 4 | B |
| 6 | MTH165 :: MATHEMATICS FOR ENGINEERS | 4 | C |
| 7 | PES318 :: SOFT SKILLS-I | 3 | A |

**TERM-II** — **TGPA : 7.89** — **Equivalent percentage : 78.90 %**

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | CSE202 :: OBJECT ORIENTED PROGRAMMING | 4 | B+ |
| 2 | CSE326 :: INTERNET PROGRAMMING LABORATORY | 1 | A |
| 3 | ECE213 :: DIGITAL ELECTRONICS | 4 | A |
| 4 | ECE216 :: DIGITAL ELECTRONICS LABORATORY | 1 | B+ |
| 5 | MEC103 :: ENGINEERING GRAPHICS | 4 | O |
| 6 | MTH166 :: DIFFERENTIAL EQUATIONS AND VECTOR CALCULUS | 4 | A |
| 7 | PEL121 :: COMMUNICATION SKILLS-I | 4 | B+ |
| 8 | PHY109 :: ENGINEERING PHYSICS | 4 | B+ |
| 9 | PHY119 :: ENGINEERING PHYSICS LABORATORY | 1 | O |

**Certificate No. : D2415881**
**Date of issue : 20-Jun-2024**
**Place : Phagwara (Punjab)**

Prepared by

(Officer Incharge)
Checked & Verified by

For Dean (Examinations)

LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Delhi G.T. Road, Phagwara, Punjab (India)-144411

Established by the State Legislature of Punjab through the Lovely Professional University Act and Recognized by UGC under Section 2(f) of the UGC Act, 1956

# Academic Transcript

**Student Name** : Sonali Singh

**Registration no.** : 12007438

**Father's Name** : Mr. Santosh Singh

**Mother's Name** : Ms. Rekha Singh

**Programme** : Bachelor of Technology (Computer Science and Engineering)

**Mode** : Regular (Full Time)

**Date of initial registration** : August,2020

**TERM-III** TGPA : 7.84 Equivalent percentage : 78.40 %

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | CSE205 :: DATA STRUCTURES AND ALGORITHMS | 4 | A |
| 2 | CSE211 :: COMPUTER ORGANIZATION AND DESIGN | 4 | B+ |
| 3 | CSE320 :: SOFTWARE ENGINEERING | 3 | A+ |
| 4 | GEN231 :: COMMUNITY DEVELOPMENT PROJECT | 2 | A |
| 5 | INT213 :: PYTHON PROGRAMMING | 3 | A |
| 6 | INT306 :: DATABASE MANAGEMENT SYSTEMS | 3 | A |
| 7 | MTH401 :: DISCRETE MATHEMATICS | 3 | B+ |
| 8 | PEL131 :: COMMUNICATION SKILLS-II | 3 | A |

**TERM-IV** TGPA : 8.20 Equivalent percentage : 82.00 %

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | CSE306 :: COMPUTER NETWORKS | 3 | A |
| 2 | CSE307 :: INTERNETWORKING ESSENTIALS | 1 | B |
| 3 | CSE310 :: PROGRAMMING IN JAVA | 4 | A+ |
| 4 | CSE316 :: OPERATING SYSTEMS | 3 | A+ |
| 5 | CSE325 :: OPERATING SYSTEMS LABORATORY | 1 | A |
| 6 | CSE408 :: DESIGN AND ANALYSIS OF ALGORITHMS | 3 | A+ |
| 7 | INT404 :: ARTIFICIAL INTELLIGENCE | 4 | A |
| 8 | MTH302 :: PROBABILITY AND STATISTICS | 3 | B+ |
| 9 | PEV106 :: VERBAL ABILITY-I | 3 | A |

Certificate No. : D2425825

Date of issue : 20-Jun-2024

Place : Phagwara (Punjab)

Prepared by

(Officer Incharge)
Checked & Verified by

For Dean (Examinations)

LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Delhi G.T. Road, Phagwara, Punjab (India)-144411

Established by the State Legislature of Punjab through the Lovely Professional University Act and Recognized by UGC under Section 2(f) of the UGC Act, 1956

# Academic Transcript

**Student Name** : Sonali Singh
**Registration no.** : 12007438
**Father's Name** : Mr. Santosh Singh
**Mother's Name** : Ms. Rekha Singh

**Programme** : Bachelor of Technology (Computer Science and Engineering)
**Mode** : Regular (Full Time)
**Date of initial registration** : August,2020

**TERM-V** — TGPA : 7.30 — Equivalent percentage : 73.00 %

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | CSE322 :: FORMAL LANGUAGES AND AUTOMATION THEORY | 3 | B |
| 2 | CSE332 :: INDUSTRY ETHICS AND LEGAL ISSUES | 2 | B+ |
| 3 | CSE443 :: SEMINAR ON SUMMER TRAINING | 3 | B+ |
| 4 | INT217 :: INTRODUCTION TO DATA MANAGEMENT | 3 | A |
| 5 | INT331 :: FUNDAMENTALS OF DEVOPS | 3 | B+ |
| 6 | PEA305 :: ANALYTICAL SKILLS-I | 3 | B+ |
| 7 | PEV107 :: VERBAL ABILITY-II | 3 | A+ |

**TERM-VI** — TGPA : 7.84 — Equivalent percentage : 78.40 %

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | CSE423 :: VIRTUALIZATION AND CLOUD COMPUTING | 3 | C |
| 2 | CSE427 :: VIRTUALIZATION AND CLOUD COMPUTING LABORATORY | 1 | A |
| 3 | HMT801 :: TRAVEL AGENCY AND TOUR OPERATION | 3 | B+ |
| 4 | INT232 :: DATA SCIENCE TOOLBOX : R PROGRAMMING | 3 | A+ |
| 5 | INT233 :: DATA VISUALIZATION | 3 | A+ |
| 6 | PEA308 :: ADVANCED ANALYTICAL SKILLS-II | 3 | A+ |
| 7 | PES319 :: SOFT SKILLS-II | 3 | A |

**TERM-VII** — TGPA : 7.67 — Equivalent percentage : 76.70 %

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | HMT803 :: VACATION PLANNING AND MANAGEMENT | 3 | A |
| 2 | INT234 :: PREDICTIVE ANALYTICS | 3 | A |
| 3 | INT312 :: BIG DATA FUNDAMENTALS | 3 | B+ |

Certificate No. : D2415881
Date of issue : 20-Jun-2024
Place : Phagwara (Punjab)

Prepared by

(Officer Incharge)
Checked & Verified by

For Dean (Examinations)

LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Delhi G.T. Road, Phagwara, Punjab (India)-144411

Established by the State Legislature of Punjab through the Lovely Professional University Act and Recognized by UGC under Section 2(f) of the UGC Act, 1956

# Academic Transcript

**Student Name** : Sonali Singh

**Registration no.** : 12007438

**Father's Name** : Mr. Santosh Singh

**Mother's Name** : Ms. Rekha Singh

**Programme** : Bachelor of Technology (Computer Science and Engineering)

**Mode** : Regular (Full Time)

**Date of initial registration** : August,2020

**TERM-VIII** TGPA : 8.00 Equivalent percentage : 80.00 %

| S.No. | Course | *Credits | *Grade |
|---|---|---|---|
| 1 | CSE406 :: ADVANCED JAVA PROGRAMMING | 4 | B+ |
| 2 | CSE445 :: CAPSTONE PROJECT | 10 | A+ |
| 3 | INT315 :: CLUSTER COMPUTING | 3 | B |
| 4 | PUN800 :: MORAL VALUES | 3 | A |

The student has successfully completed the Programme in June, 2024.

**CGPA : 7.75**
**Equivalent percentage : 77.50 %**

- ** Full/Partial credit requirement of the course fulfilled through the mentioned MOOCs alongwith source.
- * 'Credit' means credit alloted to the course and 'Grade' means grade earned by the student.
- Basis of evaluation, grading, minimum CGPA requirement and other information is printed overleaf.
- This transcript can be authenticated by submitting the certificate number to www.lpu.in/authenticate.
- The multiplier factor for converting CGPA to equivalent percentage is 10.

**Certificate No. : D2415881**
**Date of issue : 20-Jun-2024**
**Place : Phagwara (Punjab)**

Prepared by

(Officer Incharge)
Checked & Verified by

For Dean (Examinations)



ANKITA

Controller of Examinations

Sr. No. 102588

LOVELY PROFESSIONAL UNIVERSITY

Phagwara (144411), Punjab, India

# PROVISIONAL CERTIFICATE

This is to certify that Ms. Sonali Singh daughter of Mr. Santosh Singh bearing Registration No. 12007438 has completed all the requirements for the award of the degree of Bachelor of Technology (Computer Science and Engineering) in the year 2024. She will be awarded the degree at the next convocation of the University.

Certificate No. 101818
Dated: 26 Jun,2024
Place: Phagwara (Punjab)

Monica Gulati

Dr. Monica Gulati
Registrar
FRM29729332