



# 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** : Rakesh Thakur

**Programme** : Bachelor of Technology (Biotechnology)

**Registration no.** : 11617853

**Mode** : Regular (Full Time)

**Father's Name** : Mr. Binod Kumar Thakur Nau

**Date of initial registration** : August,2016

**Mother's Name** : Ms. Man Devi Thakur Nau

<b>TERM-IV</b>		<b>TGPA : 8.96</b>	<b>Equivalent percentage : 80.64 %</b>	
<b>S.No.</b>	<b>Course</b>		<b>*Credits</b>	<b>*Grade</b>
1	BTY201 :: INTRODUCTION TO IMMUNOLOGY		3	A+
2	BTY202 :: IMMUNOLOGY LABORATORY		1	A+
3	BTY228 :: MOLECULAR BIOLOGY AND GENETICS		3	A+
4	BTY229 :: MOLECULAR BIOLOGY AND GENETICS LABORATORY		2	A+
5	BTY326 :: FUNDAMENTALS OF GENETIC ENGINEERING		3	A
6	BTY332 :: GENETIC ENGINEERING LABORATORY		2	A
7	BTY397 :: HEAT AND MASS TRANSFER		4	O
8	CSE202 :: OBJECT ORIENTED PROGRAMMING		3	A+
9	MTH302 :: PROBABILITY AND STATISTICS		3	A+
10	PEV106 :: VERBAL ABILITY-I		3	A+

<b>TERM-V</b>		<b>TGPA : 9.23</b>	<b>Equivalent percentage : 83.07 %</b>	
<b>S.No.</b>	<b>Course</b>		<b>*Credits</b>	<b>*Grade</b>
1	BTY177 :: MATLAB		1	O
2	BTY311 :: PLANT BIOTECHNOLOGY		3	A+
3	BTY351 :: PLANT BIOTECHNOLOGY LABORATORY		2	A+
4	BTY353 :: BIOPROCESS ENGINEERING		4	O
5	BTY360 :: BIOPROCESS ENGINEERING LABORATORY		2	O
6	BTY499 :: SEMINAR ON SUMMER TRAINING		3	O
7	BTY651 :: QUALITY CONTROL AND QUALITY ASSURANCE		3	A+
8	CIV227 :: ECONOMICS AND ENVIRONMENTAL ISSUES IN MATERIALS SELECTION		3	A+
9	ERT401 :: INNOVATION AND DESIGN THINKING		2	O
10	PEV107 :: VERBAL ABILITY-II		3	B+

<b>TERM-VI</b>		<b>TGPA : 8.45</b>	<b>Equivalent percentage : 76.05 %</b>	
<b>S.No.</b>	<b>Course</b>		<b>*Credits</b>	<b>*Grade</b>
1	BTY162 :: BIOPYTHON		2	A+
2	BTY314 :: ANIMAL BIOTECHNOLOGY		3	A
3	BTY317 :: BASICS IN BIOINFORMATICS		3	A+
4	BTY320 :: BIOINFORMATICS LABORATORY		1	A
5	BTY352 :: ANIMAL BIOTECHNOLOGY LABORATORY		1	A
6	BTY658 :: FOOD AND DRUG TESTING LABORATORY		2	A
7	CIV345 :: ENERGY ENVIRONMENT AND SOCIETY		3	O
8	ERT402 :: CREATIVITY AND INNOVATION TOOLS		2	B+
9	PES315 :: SOFT SKILLS-II		3	A

**Certificate No. : D2021181**

**Date of issue : 31-Aug-2020**

**Place : Phagwara (Punjab)**

*Anita*  
Prepared by

*Paul*  
(Officer Incharge)  
Checked & Verified by

*Paul*  
For Dean (Examinations)



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11617853

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Mr. Binod Kumar Thakur Nau

Date of initial registration : August, 2016

### TERM-I

TGPA : 9.00

Equivalent percentage : 81.00 %

S.No.	Course	*Credits	*Grade
1	BTY100 :: BIOLOGY FOR ENGINEERS	2	O
2	BTY128 :: BIOTECHNOLOGY FOR BEGINNERS	1	A
3	ECE131 :: BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	4	A
4	ECE132 :: BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	1	B+
5	MTH103 :: BASIC MATHEMATICS-I	4	O
6	PEL121 :: COMMUNICATION SKILLS-I	3	A
7	PHY109 :: ENGINEERING PHYSICS	4	O
8	PHY119 :: ENGINEERING PHYSICS LABORATORY	1	A+

### TERM-II

TGPA : 8.63

Equivalent percentage : 77.67 %

S.No.	Course	*Credits	*Grade
1	BTY101 :: CELL BIOLOGY	3	A
2	BTY203 :: BIOANALYTICAL TECHNIQUES	3	A+
3	BTY483 :: BIOSAFETY BIOETHICS IPR AND PATENTS	3	A
4	CHE110 :: ENVIRONMENTAL STUDIES	4	A+
5	CHE122 :: ENGINEERING CHEMISTRY LABORATORY	1	A+
6	CHE124 :: ENGINEERING CHEMISTRY	3	O
7	MEC106 :: INTRODUCTION TO MECHANICAL ENGINEERING	4	B
8	MEC108 :: MECHANICAL WORKSHOP	2	A+
9	MTH104 :: BASIC MATHEMATICS-II	4	O
10	PEL131 :: COMMUNICATION SKILLS-II	3	A+

### TERM-III

TGPA : 8.77

Equivalent percentage : 78.93 %

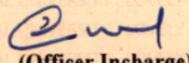
S.No.	Course	*Credits	*Grade
1	BTY102 :: MICROBIOLOGY	3	A+
2	BTY103 :: MICROBIOLOGY LABORATORY	2	B+
3	BTY105 :: FUNDAMENTALS OF BIOCHEMISTRY	3	O
4	BTY106 :: BIOCHEMISTRY LABORATORY	1	O
5	BTY428 :: INDUSTRIAL BIOTECHNOLOGY	3	A
6	CSE101 :: COMPUTER PROGRAMMING	3	A
7	CSE104 :: COMPUTER PROGRAMMING LABORATORY	1	O
8	MTH108 :: DIFFERENTIAL EQUATIONS	3	O
9	PES314 :: SOFT SKILLS-I	3	A

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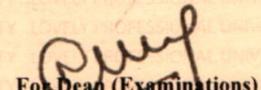
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**Date of initial registration** : August,2016

**Mother's Name** : Ms. Man Devi Thakur Nau

<b>TERM-VII</b>		<b>TGPA : 9.33</b>	<b>Equivalent percentage : 83.97 %</b>	
<b>S.No.</b>	<b>Course</b>		<b>*Credits</b>	<b>*Grade</b>
1	BTY400 :: CAPSTONE PROJECT-I		2	B+
2	BTY401 :: DOWNSTREAM PROCESSING		4	O
3	BTY402 :: DOWNSTREAM PROCESING LABORATORY		2	A
4	BTY650 :: REGULATORY AFFAIRS		3	O
5	BTY718 :: MOLECULAR SIMULATIONS		3	O
6	CIV332 :: INDUSTRIAL WASTE MANAGEMENT		3	O
7	CIV421 :: WATER AND AIR TESTING LABORATORY		1	A

<b>TERM-VIII</b>		<b>TGPA : 7.33</b>	<b>Equivalent percentage : 65.97 %</b>	
<b>S.No.</b>	<b>Course</b>		<b>*Credits</b>	<b>*Grade</b>
1	BTY484 :: CAPSTONE PROJECT-II		8	B+
2	ERT403 :: CUSTOMER RESEARCH AND IDEATION		2	A
3	ERT404 :: BUSINESS MODELLING		2	A

\* The student has successfully completed the Programme in August, 2020.

**CGPA : 8.79**

**Equivalent percentage : 79.11 %**

\* 'Credit' means credit allotted 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](http://www.lpu.in/authenticate).

\* The multiplier factor for converting CGPA to equivalent percentage is 9.

**Certificate No. : D2021181**

**Date of issue : 31-Aug-2020**

**Place : Phagwara (Punjab)**

*Anita*

Prepared by

*Officer Incharge*

Checked & Verified by

*Rajesh*  
For Dean (Examinations)