LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Delhi G.T. Road (NH-1), 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 : **Arpan Khandelwal**
Registration no. : **11206572**
Father's Name : **Mr. Arun Khandelwal**
Mother's Name : **Ms. Krishna Khandelwal**

Programme : Bachelor of Technology in Mechanical Engineering (Honours)

Mode : **Regular (Full Time)**
Date of initial registration : **August,2012**

TERM-I		TGPA : 6.67	Equivalent percentage : 60.03 %	
S.No.	Course		*Credits	*Grade
1	BTY100 : BIOLOGY FOR ENGINEERS		2	A
2	CHE110 : ENVIRONMENT AND ECOLOGY		2	C
3	ENG101 : FUNCTIONAL COMMUNICATION SKILLS-I		3	A
4	INT101 : PROGRAMMING LOGIC AND DESIGN		3	B
5	MEC103 : ENGINEERING GRAPHICS		4	D
6	MEC109 : ENGINEERING GRAPHICS LABORATORY		1	A
7	MTH107 : ELEMENTARY MATHEMATICS FOR ENGINEERS		3	C
8	PHY106 : APPLIED PHYSICS-I		3	C
9	PHY120 : ENGINEERING PHYSICS LABORATORY		1	C
10	PHY130 : PHYSICS OF ENGINEERING MATERIALS		2	C

TERM-II		TGPA : 7.46	Equivalent percentage : 67.14 %	
S.No.	Course		*Credits	*Grade
1	CHE101 : ENGINEERING CHEMISTRY		4	C
2	CHE102 : ENGINEERING CHEMISTRY LABORATORY		1	C
3	CSE101 : COMPUTER PROGRAMMING		3	A
4	CSE104 : FOUNDATIONS OF COMPUTING LABORATORY		2	B
5	ECE131 : BASIC ELECTRICAL AND ELECTRONICS ENGINEERING		4	B
6	ECE132 : BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	B-
7	ENG102 : FUNCTIONAL COMMUNICATION SKILLS-II		3	B-
8	MEC105 : EXCITEMENT OF ENGINEERING		1	B-
9	MEC107 : BASIC ENGINEERING MECHANICS		4	B
10	MEC108 : WORKSHOP PRACTICE		2	B
11	MTH212 : MULTIVARIATE ANALYSIS LINEAR ALGEBRA AND SPECIAL FUNCTIONS		3	B-

TERM-III		TGPA : 6.64	Equivalent percentage : 59.76 %	
S.No.	Course		*Credits	*Grade
1	CSE202 : OBJECT ORIENTED PROGRAMMING		3	C
2	CSE203 : OBJECT ORIENTED PROGRAMMING LABORATORY		1	C-
3	ENG201 : FUNCTIONAL COMMUNICATION SKILLS-III		3	C
4	MEC201 : SOLID MECHANICS		4	B-
5	MEC203 : THERMODYNAMICS		4	B-
6	MEC214 : MECHANISMS AND MACHINES		5	B-
7	MEC221 : MECHANISMS AND MACHINE LABORATORY		1	B-
8	MEC224 : MECHANICAL ENGINEERING WORKSHOP		2	B-
9	MEC280 : ROBOTICS-I		2	C
10	MTH212 : MULTIVARIATE ANALYSIS LINEAR ALGEBRA AND SPECIAL FUNCTIONS		3	B-

Certificate No. : D1781321
Date of issue : 22-Jun-2017
Place : Phagwara (Punjab)

Prepared by

(Officer-Incharge)
Checked & Verified by

For Dean (Examinations)

LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Delhi G.T. Road (NH-1), 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 : **Arpan Khandelwal**
Registration no. : **11206572**
Father's Name : **Mr. Arun Khandelwal**
Mother's Name : **Ms. Krishna Khandelwal**

Programme : Bachelor of Technology in Mechanical Engineering (Honours)

Mode : **Regular (Full Time)**
Date of initial registration : August,2012

TERM-IV — TGPA : 6.18 — Equivalent percentage : 55.62 %

S.No.	Course	*Credits	*Grade
1	CSE205 - DATA STRUCTURES AND ALGORITHMS	3	D
2	CSE215 - DATA STRUCTURES AND ALGORITHMS LABORATORY	1	C
3	CSE222 - BASIC SIMULATION LABORATORY	1	C
4	ENG202 - TECHNICAL ENGLISH	1	B
5	MEC207 - FLUID MECHANICS	4	C-
6	MEC208 - ENGINEERING MATERIALS	3	B
7	MEC213 - ENGINEERING MATERIALS LABORATORY	1	B-
8	MEC220 - SOLID MECHANICS LABORATORY	1	C
9	MEC223 - DESIGN OF MACHINE ELEMENTS-I	4	B-
10	MEC228 - CAD AND COMPUTER GRAPHICS LABORATORY	1	A
11	MEC282 - CONTROL SYSTEM AND DRIVES FOR ROBOTS	2	B-
12	MEC370 - POWER PLANT ENGINEERING	3	C-
13	MTH211 - COMPLEX ALGEBRA	3	C

TERM-V — TGPA : 7.84 — Equivalent percentage : 70.56 %

S.No.	Course	*Credits	*Grade
1	MEC212 - FLUID MECHANICS LABORATORY	1	A
2	MEC301 - HEAT TRANSFER	4	A
3	MEC308 - CONTROL ENGINEERING	3	B-
4	MEC320 - COMPUTER AIDED DESIGN AND ANALYSIS LABORATORY	1	A+
5	MEC324 - HEAT TRANSFER LABORATORY	1	B-
6	MEC330 - PRIMARY MANUFACTURING LABORATORY	2	A
7	MEC331 - MACHINE TOOLS AND MACHINING	3	A
8	MEC336 - MECHANISM AND SIMULATIONS LABORATORY	1	B
9	MGN313 - MANAGEMENT PRACTICES AND ORGANIZATIONAL BEHAVIOR	3	B-
10	PEA303 - QUANTITATIVE APTITUDE	3	C-
11	PES312 - SOFT SKILLS-I	3	B

TERM-VI — TGPA : 6.88 — Equivalent percentage : 61.92 %

S.No.	Course	*Credits	*Grade
1	ECO310 - ECONOMICS FOR ENGINEERS	3	B-
2	MEC303 - REFRIGERATION AND AIR CONDITIONING	3	C
3	MEC305 - INTERNAL COMBUSTION ENGINES	3	C
4	MEC306 - DESIGN OF MACHINE ELEMENTS-II	4	C
5	MEC328 - CONTROL ENGINEERING LABORATORY	1	B
6	MEC332 - MACHINE TOOLS AND MACHINING LABORATORY	2	B
7	MEC337 - ROBOTICS PROGRAMMING LABORATORY	1	A
8	MEC466 - NONTRADITIONAL AND COMPUTER AIDED MANUFACTURING	3	C
9	MEC469 - NONTRADITIONAL AND COMPUTER AIDED MANUFACTURING LABORATORY	1	A
10	PEA304 - REASONING APTITUDE	3	B

Certificate No. : D1781321
Date of issue : 22-Jun-2017
Place : Phagwara (Punjab)

Prepared by

(Officer-Incharge)
Checked & Verified by

For Dean (Examinations)

LOVELY PROFESSIONAL UNIVERSITY

Jalandhar-Delhi G.T. Road (NH-1), 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 : **Arpan Khandelwal**
Registration no. : **11206572**
Father's Name : **Mr. Arun Khandelwal**
Mother's Name : **Ms. Krishna Khandelwal**

Programme : Bachelor of Technology in Mechanical Engineering (Honours)

Mode : **Regular (Full Time)**
Date of initial registration : **August,2012**

TERM-VII	TGPA : 6.89	Equivalent percentage : 62.01 %		
S.No.	Course		*Credits	*Grade
1	MEC300 : ROBOTICS PROJECT		2	B-
2	MEC310 : QUALITY ENGINEERING		3	C
3	MEC334 : IC ENGINES AND REFRIGERATION LABORATORY		1	A
4	MEC400 : SEMINAR ON SUMMER TRAINING		3	B-
5	MEC406 : MECHANICAL VIBRATIONS		4	C
6	MEC407 : TURBO MACHINERY		3	B-
7	MEC441 : INDUSTRIAL ENGINEERING		3	B

TERM-VIII	TGPA : 8.20	Equivalent percentage : 73.80 %		
S.No.	Course		*Credits	*Grade
1	ENG884 : READING OF CONTEMPORARY FICTION		3	A+
2	MEC494 : CAPSTONE PROJECT		9	B
3	MEC891 : PLASTIC TECHNOLOGY		3	B-

- The student has successfully completed the Programme in June, 2017.

CGPA : 7.03
Equivalent percentage : 63.27 %

- * '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.

Certificate No. : D1781321
Date of issue : 22-Jun-2017
Place : Phagwara (Punjab)

Prepared by

(Officer Incharge)
Checked & Verified by

For Dean (Examinations)

LOVELY PROFESSIONAL UNIVERSITY
BASIS OF EVALUATION AND GRADING

1. University uses Broadband Letter Grades to report a student's performance. Each letter grade indicates the level of performance in a course and has an associated grade point value as per the following table:

Letter Grade	Performance	Grade Points
A+	Outstanding	10
A	Very Good	9
B	Good	8
B-	Above Average	7
C	Average	6
C-	Below Average	5
D	Marginal Pass	4
E	Reappear	0
F	Fail	0
I	Incomplete	-
R	Resubmission	-
S	Satisfactory (for zero credit courses only)	-
U	Unsatisfactory (for zero credit course only)	-

2. **A+, A, B, B-, C, C-** and **D** are Pass grades. **E** is a temporary grade indicating permission to reappear in the re-appear examination to improve it to a passing grade, and **F** is a fail Grade. **I** represents an incomplete result and is replaced with the grade that student obtains after completing the requirements. R represents resubmission in case of projects/dissertations or other similar courses. S and U grades are awarded only in case of courses with zero credit: **S** for satisfactory performance and **U** for failing in a course.

3. A student's overall academic performance within a given term is represented by Term Grade Point Average (TGPA), and the overall performance in all the courses completed up to and including the current term is represented by Cumulative Grade Point Average (CGPA). TGPA and CGPA are calculated as the weighted averages of the grades:

   TGPA / CGPA $= \Sigma\ C_i\ G_i\ /\ \Sigma\ C_i$, where C represents the credits associated with a course and G represents the grade points of the letter grade in that course.

4. If a conversion to marks is required, the nominal percentage of marks may be calculated by multiplying the CGPA with 9.0

5. The CGPA requirement for the award of degree / diploma / certificate will be 5.0 or above for Regular Programmes and 4.0 or above for Distance Education Programmes, subject to getting a passing grade in each of the courses individually, and satisfying other conditions as specified in the examination ordinances / rules and programme details.

6.

Division	**CGPA**
First with distinction	9.0 or more subject to the conditions that student has passed all the courses in the 1st attempt.
First	7.0 or more but less than 9.0

7. This academic transcript can be authenticated by submitting the certificate number to www.lpu.in/authenticate or by writing to Examination Division, Lovely Professional University, Jalandhar - Delhi GT Road, Phagwara 144411, Punjab, India.

A/No.584101