



Punjab Engineering College, Chandigarh

(Deemed to be University)

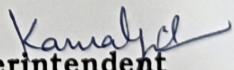
PEC/DAA/S-4/1554
Dated: 14.06.2024

Provisional Degree/Character/ No Objection cum Migration/ Medium of Instructions Certificate

Certified that **Mr. Sagar Kakkar** S/o **Sh. Rajesh Kumar** and **Smt. Rajni Bala**, SID **20107010** was a bonafide student of **B.Tech. Mechanical Engineering** of Punjab Engineering College (Deemed to be University), Chandigarh during the years **2020-2024**. He has **completed all his academic requirements for the award of Degree of B.Tech. in Mechanical Engineering** by securing CGPA of **7.56** on a ten-point scale along with Minor Specialization in Computer Science and Engineering. The **medium of instructions and evaluation** has been **English** throughout the programme. Further, Punjab Engineering College (Deemed to be University), Chandigarh has **no objection** to his **continuing studies at another university/institute**.

As per institute records, he bears a **good moral character**.

The institute wishes him success in the future endeavours.


Kamaljeet Singh
Superintendent
Academics

Superintendent
Academic Section,
Punjab Engineering College,
(Deemed to be University)
Chandigarh

(A Deemed University under Section 3 of UGC Act, 1956)

Sector 12, Chandigarh - 160 012, India

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PUNJAB ENGINEERING COLLEGE, CHANDIGARH
(Deemed to be University)

Transcript of Academic Record for Bachelor of Technology



SID: 20107010
Student's Name: SAGAR KAKKAR
Department: MECHANICAL ENGINEERING

Father's Name: RAJESH KUMAR
Mother's Name: RAJNINI BALA
Batch: 2020

Session: 2020-2021-1

Course ID	Course Name	Credits	Grade
ES1101	INTRODUCTION TO COMPUTING	4	B+
HS1101	COMMUNICATION SKILLS & ETHICS	3	B+
MA1101	CALCULUS AND ORDINARY DIFFERENTIAL EQUATIONS	4	C+
OR1101	ORIENTATION	2	A
PY1101	MECHANICS AND OPTICS	4	B+
SGPA	7.65	Credits Earned	17
CGPA	7.65	Credits Earned (Total)	17

Session: 2020-2021-2

Course ID	Course Name	Credits	Grade
CH1201	APPLIED CHEMISTRY - II	4	B+
ES1201	ENGINEERING DRAWING WITH CAD SOFTWARE	3	B
ES1301	INTRODUCTION TO MECHATRONICS	3	B
ES1401	INTRODUCTION TO ELECTRONICS & ELECTRICAL ENGINEERING	2	B
ES1601	STRENGTH OF MATERIALS	2	C+
MA1201	LINEAR ALGEBRA, VECTOR CALCULUS AND PARTIAL DIFFERENTIAL EQUATIONS	4	B+
SGPA	7.33	Credits Earned	18
CGPA	7.49	Credits Earned (Total)	35

Session: 2021-2022-1

Course ID	Course Name	Credits	Grade
CS6301	DATA STRUCTURES	4	A
HS2304	SOCIOLOGY	3	B+
ME1031	ELEMENTS OF MANUFACTURING PROCESSES	3	B
ME1032	ELEMENTS OF THERMODYNAMICS	3	B
ME1033	MECHANICS OF MATERIALS	3	C+
ME1034	THEORY OF MACHINES	3	B+
ME7001	INDUSTRIAL TOUR	2	A+
SGPA	7.81	Credits Earned	21
CGPA	7.61	Credits Earned (Total)	56

Session: 2021-2022-2

Course ID	Course Name	Credits	Grade
CS6401	ANALYSIS AND DESIGN OF ALGORITHMS	4	A
ES1701	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	3	A
GS1101	INTRODUCTION TO ENVIRONMENTAL SCIENCES -I	2	B+
GS1201	INTRODUCTION TO ENVIRONMENTAL SCIENCES -II	2	C+
ME1041	MANUFACTURING PROCESSES	3	B+
ME1042	APPLIED THERMODYNAMICS	3	C+
ME1043	REFRIGERATION AND AIR CONDITIONING	3	B+
ME1044	MECHANICAL VIBRATIONS	3	C+
PRO111	LAWN TENNIS	2	A+
SGPA	7.80	Credits Earned	25
CGPA	7.67	Credits Earned (Total)	81

Session: 2022-2023-1

Course ID	Course Name	Credits	Grade
ME1051	PRODUCTION ENGINEERING	3	B+
ME1052	PRODUCTION AND OPERATIONS MANAGEMENT	3	B+
ME1053	HEAT AND MASS TRANSFER	3	B
ME1054	DESIGN OF MECHANICAL SYSTEMS	3	A
ME1055	MINOR PROJECT	3	A+
ME2017	PRODUCTION PLANNING AND CONTROL	4	B
ME2022	FLUID MECHANICS	4	B+
SGPA	8.09	Credits Earned	23
CGPA	7.76	Credits Earned (Total)	104

Session: 2022-2023-2

Course ID	Course Name	Credits	Grade
ME1551	INTERNSHIP PART-I	6	A+
ME1552	INTERNSHIP PART-II	3	B
ME1553	INTERNSHIP PART-III	3	B+
SGPA	8.75	Credits Earned	12
CGPA	7.86	Credits Earned (Total)	116

Session: 2023-2024-1

Course ID	Course Name	Credits	Grade
CS6701	COMPUTER NETWORKS	4	B
CS6702	COMPUTER ARCHITECTURE & ORGANIZATION	4	B
HS2709	FUNDAMENTALS OF MANAGEMENT	3	C+
ME2002	MEASUREMENT AND METROLOGY	4	C+
ME2020	PRODUCT DESIGN AND DEVELOPMENT	4	C+
ME7701	MAJOR PROJECT-I	2	A
SGPA	6.67	Credits Earned	21
CGPA	7.68	Credits Earned (Total)	137

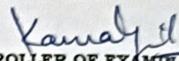
Session: 2023-2024-2

Course ID	Course Name	Credits	Grade
CS6801	OPERATING SYSTEMS	4	C
DEC101	DISCIPLINE	2	A+
HS2802	ENTREPRENEURSHIP AND PROJECT MANAGEMENT	3	C+
ME2040	NON-CONVENTIONAL ENERGY RESOURCES	4	C+
ME7801	MAJOR PROJECT-II	4	A
MM6006	NANOMATERIALS TECHNOLOGY AND APPLICATIONS	4	C
PRF111	LAWN TENNIS	2	A+
SGPA	6.87	Credits Earned	23
CGPA	7.56	Credits Earned (Total)	160

The student has completed the programme.


CHECKED BY

Place: Chandigarh, India
Wednesday, June 12, 2024


FOR CONTROLLER OF EXAMINATION

1. The medium of instruction has been ENGLISH throughout.
2. In the semester code, the first four digits signify the academic session while the last digit stands for the semester. For example, semester 20211 signifies first semester of session 2020-21.
3. System of Grading

- i. The performance of a student in a course is reported in terms of the following grades and grade points:

Letter Grade	Performance	Grade Points
A+	Outstanding	10
A	Excellent	9
B+	Very Good	8
B	Good	7
C+	Average	6
C	Below Average	5
D	Poor	4
F	Fail	-
I	Incomplete	-
N	Not Eligible	-
S	Satisfactory	-
X	Non Satisfactory	-
Y	Satisfactory (Covid-19 semester)	-

- ii. The performance of a particular semester is expressed in terms of the Semester Grade Point Average (SGPA) while the overall performance is given in terms of Cumulative Grade Point Average (CGPA), of all semesters.
- iii. The university does not have a system of ranking students.
- iv. A CGPA of 6.0 or higher is considered to be first division (greater than 60% marks).