

ORDINANCE
FOR
Certificate Program in CAD/CAM



*(THIS ORDINANCE HAS BEEN APPROVED IN THE MEETING OF
BOARD OF MANAGEMENT HELD ON DATED XX-XX-XXXX)*

APPLICABLE W.E.F. ACADEMIC SESSION 2018-19

**GNA UNIVERSITY, SRI HARGOBINDGARH, PHAGWARA – HOSHIARPUR
ROAD,
PHAGWARA 144401
PUNJAB**



ORDINANCE FOR CERTIFICATE PROGRAM IN CAD/CAM
SHORT TITLE AND COMMENCEMENT

- I. This Ordinance shall be called the Ordinance for the Certificate Program in CAD/CAM Program of GNA University, Phagwara.
- II. This Ordinance shall come into force with effect from academic session 2018-19.
 1. **Name of Program:** Certificate Program in CAD/CAM
 2. **Name of Faculty:** Faculty of Engineering, Design and Automation
 3. **Program Duration:** Total duration of the Program shall be of 6 months and will comprise of one semester. In addition, semester shall normally have teaching for the 90 working days.
 4. **Eligibility for Admission:** Diploma or B.Tech. or M.Tech. With 50% marks in aggregate in Mechanical Engineering or equivalent.
 5. **Admission Process:** Selection for admission to the Program shall be made by the Faculty of Engineering, Design and Automation. The selection of the candidate shall be strictly on merit basis subject to fulfillment of eligibility criteria. Candidates are required to fill the prescribed application form and submit the application form in the admission cell - Faculty of Engineering, Design and Automation. The Faculty will verify the eligibility and forward the form to the admission cell for further processing. If the candidate is selected, he/she is required to deposit the fee along with application form and with required documents to the Registrar Office of Admin Department.
 6. **Curriculum:** The 6 months curriculum has one semester and shall include lectures, tutorials, practical and projects. In addition to the industrial visits and educational tours etc. The curriculum will also include other curricular, co-curricular and extra-curricular activities as may be prescribed by the University from time to time.
 - (a) **Foundation Courses:** The foundation courses will refresh and strengthen a student's understanding and basic knowledge required for the successful completion of the program. Foundation courses for this program will include courses like Basics of Engineering etc.
 - (b) **Core Courses:** Core courses in the program will help students to study in depth engineering fundamentals, building firm bedrock of understanding in fields such as research and development, production, maintenance etc.
 - (c) **Projects:** Students are required to prepare & submit a detailed industry based project that addresses to the needs and limitations of the industry.

7. Medium of Instructions:

- 7.1 The medium of instruction for Certificate Program in CAD/CAM will be English.
- 7.2 Question Papers of all examinations shall be set and must be answered in English.
- 7.3. Project Work / Project Report / Field Work Report / Training Report etc, if any, should be presented in English.

8. Mode: The program is offered on 'Full Time' mode of study only.

9. Attendance Requirement:

- 9.1 Every student is required to attend all the lectures, tutorials, practical and other prescribed curricular and co-curricular activities offered by the Faculty Design and Innovation.
- 9.2 The attendance may be condoned up to 25% on medical grounds or for other genuine reasons beyond the control of students.
- 9.3 A further relaxation of attendance up to 15% for a student may be given by Dean of Faculty provided that he/she has been absent with prior permission of the Dean of the Faculty for the reasons acceptable to him.
- 9.4 No student will be allowed to appear in the end semester examination if he/she does not satisfy the overall average attendance requirements. Further, the attendance shall be counted from the date of admission in the University or start of academic session whichever is later.

10. Program Structure:

Total Credits: 23

FACULTY OF ENGINEERING, DESIGN AND AUTOMATION

Certificate Program in CAD/CAM

S. No	Pre-requisite	Course Code	Course Name	Contact hours			Total Credits
				L	T	P	
1		CPC 101	Basic Engineering Concepts	1	1	0	2
2		CPC 102	AutoCAD	1	0	0	1
3		CPC 103	CAM Technology	1	0	0	1
4		CPC 104 or CPC 105 or CPC 106 or CPC 107	Creo CAD or CATIA CAD or NX CAD or Solid Edge CAD	3	0	0	3
5		CPC 121	Etiquettes and Manners	0	0	4	2
6		CPC 122	AutoCAD Laboratory	0	0	2	1
7		CPC 123	CAM Technology Laboratory	0	0	4	2
8		CPC 124 or CPC 125 or CPC 126 or CPC 127	Creo CAD or CATIA CAD or NX CAD or Solid Edge CAD Laboratory	0	0	6	3
9		CPC 100	Industrial Training & Training Report	0	0	0	8
Total							23

11. Examination Assessment System: Two parameters are assigned to evaluate student's performance in the entire semester. First, Continuous Assessment System (CAS) which includes attendance, internal and mid semester examination and second End Semester Examination. Weightage of marks shall be depending on the nature of the course and as per academic regulations.

Continuous Assessment System (CAS) will be divided into two parameters, Attendance and Continuous Internal Evaluation components. There will be different components of Continuous Internal Evaluation for evaluating students according to the nature of courses:

I. Attendance

II. Continuous Internal Evaluation Components

Sr. No	Components of Continuous Internal Evaluation
1	Assignment
2	Snap Test
3	Project
4	Presentation/ Class Participation
5	Practical Lab Continuous Assessment
6	Quiz, Multiple Choice Questions
7	Case Study
8	Training Report

12. Grading System: University will follow letter Grading System for evaluating the performance of student. If number of passing students in any subject is less than or equal to 30 then Absolute Grading System will be followed otherwise Relative Grading System will be followed for evaluation.

Table of Grading System

Academic Performance	Grades	Grade Points	Remarks
Outstanding	A+	10	
Excellent	A	9	
Very Good	B+	8	
Good	B	7	
Fair	C+	6	
Average	C	5	
Minimally Acceptable	D	4	
Fail	F	0	
Incomplete	-I	-	
Withdrawal	W	-	
Grade Awaited	GA	-	
Minor Project	S/X	-	S-Satisfactory, X-Unsatisfactory

- 13. Re-appear:** Student with backlog of one semester will be carry forward to next semester. Re-appear examinations will be conducted twice in a year after ESE of every semester.
- 14. Program qualifying criteria:** For qualifying the Program every student is required to earn minimum 16 credits. If any student fails to earn minimum credits for the program then he/she will get a chance to complete his/her Program in two more years than the actual duration of degree.