



IMS ENGINEERING COLLEGE, GHAZIABAD

(Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh & Approved by AICTE, New Delhi)

NH-09, Adhyatik Nagar, Near Dasna, Distt: Ghaziabad, Uttar Pradesh Website: <https://www.imsec.ac.in>

SUPPORTING DOCUMENTS

AQAR: 2022-23

2.6.1

Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Attachment: [Supporting Documents](#)

Mechanism of communication of POs and COs

- Outcomes will be published on the College web site.
- Outcomes will be displayed on all corridors, laboratories notice boards, Dean, HoDs and Faculty rooms.
- Outcomes will be published in course files.
- Outcomes will be explained in orientation and induction programmes.
- Mapping of outcomes will be displayed in the question papers of class tests for internal assessment.

Course Outcomes (COs): Course Outcomes are narrower statements that describe what students are expected to know, and are able to do at the end of each course. These relate to the skills, knowledge and behavior that students acquire in their progress through the course.

Program Outcomes (POs): Program Outcomes are statements that describe what students are expected to know and be able to do upon graduating from the program. These relate to the skills, knowledge, attitude and behavior that students acquire through the program.

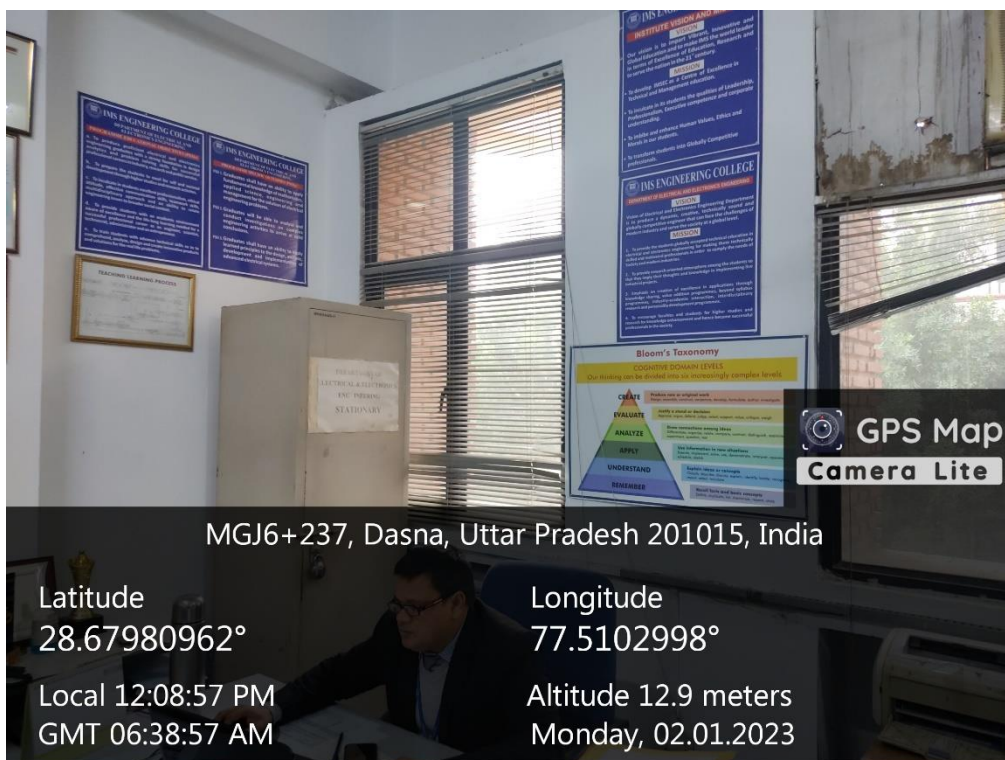
Programme Specific Outcome (PSOs): PSOs are statements that describe what students are expected to know and be able to do in a specialized area of discipline upon graduation from a program.

Display of Outcomes

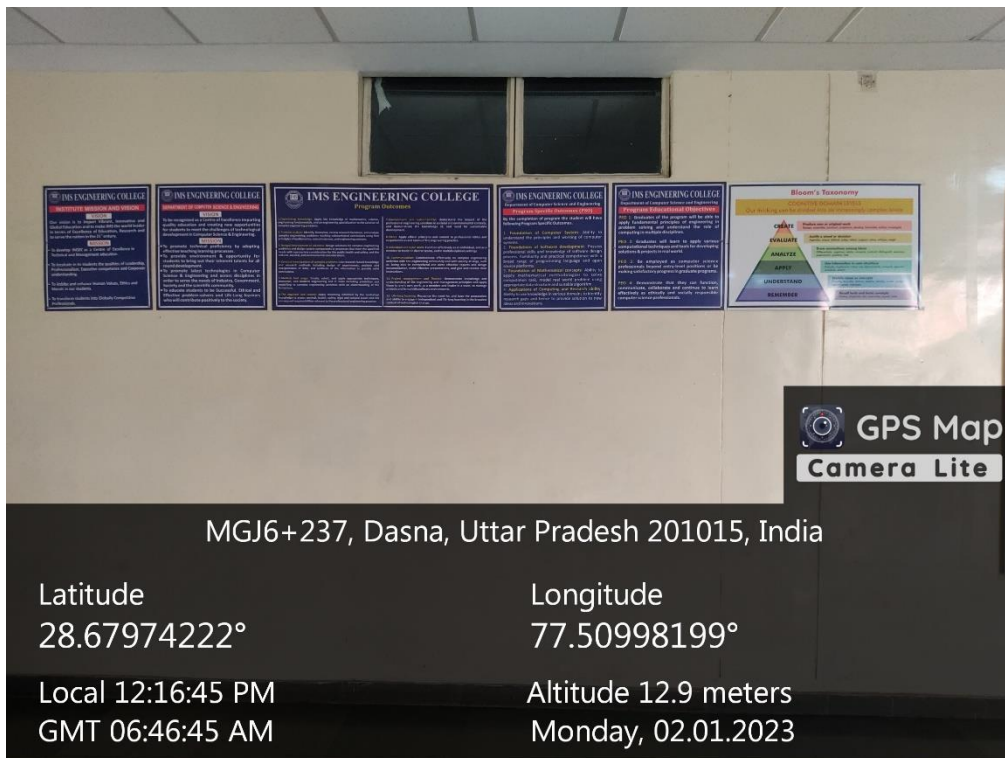
1) HODs office



2) Faculty rooms



3) Corridors



MGJ6+237, Dasna, Uttar Pradesh 201015, India

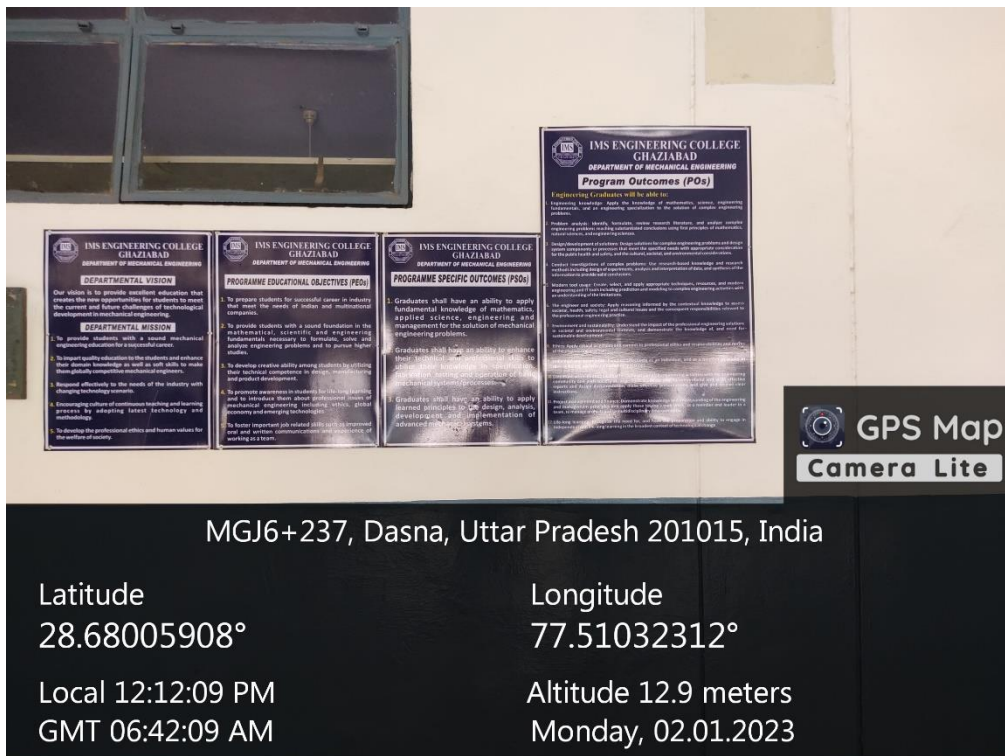
Latitude
28.67974222°

Longitude
77.50998199°

Local 12:16:45 PM
GMT 06:46:45 AM

Altitude 12.9 meters
Monday, 02.01.2023

4) Laboratories



MGJ6+237, Dasna, Uttar Pradesh 201015, India

Latitude
28.68005908°

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77.51032312°

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IMS ENGINEERING COLLEGE
Department of Biotechnology

CT-1

Course : B.Tech
Semester : VI
Subject : Idea to business model
Time : 2 Hours

AY 2022-23 (Even Semester)
Date : 01-04-2023
Subject Code : KOE060
Max. Marks : 60

COURSE OUTCOMES (CO)	
CO-1	Demonstrate the ability to enhance creative knowledge of students regarding selection of a business idea and its implementation process.
CO-2	Acquire knowledge on entrepreneurship development, its Pro's and con's.
CO-3	Acquire basic knowledge on how to become an Entrepreneur.
CO-4	Develop knowledge on Production systems and its sustainability through production, planning and control (PPC)
CO-5	Develop appropriate business model and apply in a better way.

Q. No.	Questions	CO
PART- A: Attempt All Questions (5x2 = 10 Marks)		
1 (a)	Define enterprise.	CO1
1 (b)	What do you understand by business model?	CO1
1 (c)	Write significance of product innovation.	CO1
1 (d)	What are different phases of Entrepreneurship development? Describe briefly.	CO2
1 (e)	What do you mean by Entrepreneurship?	CO2
PART-B: (5x4 = 20 Marks)		
Attempt any four of the following Questions		
2 (a)	How to chose a product idea? Explain.	CO1
2 (b)	Discuss the production planning and development strategies in detail.	CO1
2 (c)	Write short note on new product idea with the help of an example.	CO1
2 (d)	What are the functions of an Entrepreneur?	CO2
2 (e)	Differentiate between an Entrepreneur and Manager.	CO2
PART-C: (10x1 = 10 Marks)		
3. Attempt any one part of the following Question		
a)	What is meant by adoption process. Describe in detail.	CO1
b)	Explain in detail all the step involved during new product development process	CO1
4. Attempt any one part of the following Question (10x1 = 10 Marks)		
a)	Describe various challenges to entrepreneurship with proper examples	CO2
b)	Describe the role of entrepreneurship in economic development.	CO2
5. Attempt any one part of the following Question (10x1 = 10 Marks)		
a)	What do you understand by product innovation. How is product innovation different from product invention?	CO1
b)	Discuss the difference between entrepreneurship and wage employment with an example.	CO2

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IMS ENGINEERING COLLEGE
Department of IT/ ECE/ EN/ ME | CS

CT-1

Course	: B.Tech	AY	: 2022-23	(Even Semester)
Semester	: VI	Date	: 01.04.2023	
Subject	: Software Project Management	Subject Code	: KOE068	
Time	: 2 Hours	Max. Marks	: 60	

COURSE OUTCOMES (CO)	
CO-1	Identify project planning objectives, along with various cost/effort estimation models.
CO-2	Organize & schedule project activities to compute critical path for risk analysis.
CO-3	Monitor and control project activities.
CO-4	Formulate testing objectives and test plan to ensure good software quality under SEI-CMM.
CO-5	Configure changes and manage risks using project management tools.

Q. No.	Questions	CO
PART- A: Attempt All Questions (5x2 = 10 Marks)		
1 (a)	Define Software Project Management.	CO1
1 (b)	Differentiate Information system Vs Embedded system of software projects.	CO1
1 (c)	Write down the activities involved in Management.	CO1
1 (d)	Write down disadvantages of Agile methods.	CO2
1 (e)	Write down the steps involved in software project estimation.	CO2
PART-B: (5x4 = 20 Marks)		
Attempt any four of the following Questions		
2 (a)	Differentiate between software project Vs other types of project.	CO1
2 (b)	Define characteristic of a Project.	CO1
2 (c)	How to deal with uncertainty/ risk, discuss.	CO1
2 (d)	Discuss Incremental process model with its advantages.	CO2
2 (e)	Elaborate choice of process model w.r.to waterfall model.	CO2
PART-C: (10x1 = 10 Marks)		
3. Attempt any one part of the following Question		
a)	Explain different types of activities covered by Software Project Management.	CO1
b)	Discuss Management Control of a project through project control cycle.	CO1
4. Attempt any one part of the following Question (10x1 = 10 Marks)		
a)	Discuss prototyping model with its advantages and disadvantages.	CO2
b)	Discuss Software Crisis with its various factors contributing to software crisis.	CO2
5. Attempt any one part of the following Question (10x1 = 10 Marks)		
a)	Explain Stepwise Project Planning for a project with diagram.	CO1
b)	What is software process? Write down the different activities performed by every software process.	CO2

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IMS ENGINEERING COLLEGE
Department of Computer Science & Engineering | CS

CT-1

Course : B.Tech
Semester : 6th
Subject : Object Oriented Programming
Time : 2 Hours

AY 2022-23 (Even Semester)
Date : 01-04-2023
Subject Code : KOE-064
Max. Marks : 60

COURSE OUTCOMES (CO)	
CO-1	Understand the Basic concept of Object Orientation, object identity and Encapsulation.
CO-2	Understand the Basic concept of Basic Structural Modeling
CO-3	Know the knowledge of Object-oriented design, Object design.
CO-4	Know the knowledge of C++ Basics.
CO-5	Understand the Basics of object and class in C++

Q. No.	Questions	CO
PART- A: Attempt All Questions (5x2 = 10 Marks)		
1 (a)	What do you mean by the term Object Orientation ?	CO1
1 (b)	What do you mean by generosity ?	CO1
1 (c)	What is the importance of modeling ?	CO1
1 (d)	What is relationships in UML ?	CO2
1 (e)	What is qualified associations in the class diagram?	CO2
PART-B:		
Attempt any four of the following Questions		(5x4 = 20 Marks)
2 (a)	With the help of diagram explain the architecture of UML.	CO1
2 (b)	What is object Identity and its advantages ? What are three forms of object identity ?	CO1
2 (c)	What is UML and what is the purpose of UML? Write down the pros & cons of UML.	CO1
2 (d)	Explain with the help of diagram the relationship among association, aggregation & composition	CO2
2 (e)	Differentiate between :- (a) Components & Classes (b) State Machine & Flow Chart.	CO2
PART-C:		
3. Attempt any one part of the following Question		(10x1 = 10 Marks)
a)	Explain in detail the concepts of object oriented programming with proper examples.	CO1
b)	What is conceptual model of UML? Explain in detail with the help of diagrams the common mechanisms in UML .	CO1
4. Attempt any one part of the following Question		
a)	Prepare a class diagram for each group of classes. Add atleast 10 relationships (association & generalization) to each diagram. Classes are :- File System , File , ASCII File , Binary file , Directory File , Disc , Drive , Track , Sector.	CO2
b)	What is use case diagram ? Draw a use case diagram for online shopping.	CO2
5. Attempt any one part of the following Question		
a)	Explain in detail the three object oriented models with example . Also explain the various principles of modeling.	CO1
b)	What is the difference between sequence diagram & activity diagram ? Draw an activity diagram for handling ATM machine.	CO2

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