

ASSIGNMENT BOOKLET

**CERTIFICATE IN SMART CITY
DEVELOPMENT AND MANAGEMENT (CSCDM)**

Last date for submission:

**30th April 2026 for January 2026 Session
30th September 2026 for July 2026 Session**



**School of Engineering and Technology
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110068**

Dear Student,

We advise you to go through your course material carefully and read all the section pertaining to assignments. A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation which would consist of **one tutor-marked assignment** for each of MIO-001, MIO-002, MIO-003 and MIO-004 of these courses. You have to score a minimum of 40 marks out of 100 marks in each of the assignments. Submit your assignment response at **Programme Coordinator (CSCDM), Block-C, School of Engineering & Technology, Indira Gandhi National Open University, Maidan Garhi, New Delhi - 110068**

Instructions for Formatting Your Assignments

Before attempting the assignment, please read the following instructions carefully.

- 1) On top of the first page of your Tutor Marked Assignment (TMA) answer sheet, please write the details exactly in the following format:

ENROLMENT NO:

NAME:

ADDRESS:

.....

.....

COURSE CODE:

COURSE TITLE:

ASSIGNMENT CODE:

STUDY CENTRE: SOET, IGNOU Campus

DATE:

PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION AND TO AVOID DELAY.

- 2) Use only full-size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) While solving problems, clearly indicate the question number along with the part being solved. Be precise. Recheck your work before submitting it.

Answer sheets received after the due date shall not be accepted.

We strongly feel that you should retain a copy of your assignment response to avoid any unforeseen situation and append, if possible, a photocopy of this booklet with your response.

We wish you good luck.

Assignment -4
(To be done **after** studying the course material)

Course Code: MIO-004

Course Title: Smart Health Education Governance and Cyber Security
Assignment Code: MIO-004/TMA/2026
Maximum Marks: 100

Note:

- 1. In any question, whenever we ask you to suggest an activity, we expect you to give one other than those covered in the units**
- 2. For any question worth 5 marks the word limit is 200 words, for a 10 mark question it is 350 words.**
- 3. All questions are compulsory. All questions carry equal marks.**

Q.1	a)	Discuss the importance of Urban Planning. Explain different types of Smart Cities development.	5
	b)	Differentiate between traditional and Smart buildings. Explain any Five Smart building services.	5
Q.2	a)	What is the difference between wireless and wired security Camera?	5
	b)	What is Digital Command and Control Centre? How have the Integrated Command and Control Centre helped in city management during the pandemic?	5
Q.3	a)	Why is digital healthcare required, particularly in developing countries?	5
	b)	What is the need of emerging technologies in smart healthcare systems?	5
Q.4	a)	What is smart home? How does it function? What are the advantages and disadvantages of smart homes?	5
	b)	What are the issues and opportunities in smart health? Explain Individual Privacy in smart health.	5
Q.5		What is smart education system? What are different mediums of smart education? Explain the various challenges of online education.	10
Q.6		Describe the importance of Smart education. Explain the schemes present in NEP for smart education.	10
Q.7	a)	What do you understand about Governance? Explain the difference between e-Government and e-Governance.	5
	b)	What do you understand by smart factory? How is Industry 4.0 impacting public service delivery process in India?	5
Q.8	a)	What are the different cybercrimes that are acting as challenges in smart governance?	5
	b)	Capacity building is a challenge in Smart Governance process. Explain.	5
Q.9	a)	What are the different aspects where an ITS can be applied in the domain of road safety?	5
	b)	Define IT act and its amendment. What are the different initiatives taken by Government of India for protecting country's information assets?	5

- Q.10 a) What are the trends in cyber security? Why are out dated systems becoming easy targets for hackers? 5
- b) What do you understand about Cryptocurrency and Big Data? What is the need to adopt the latest cyber security technologies? 5