
CSCDM July - 2025

ASSIGNMENT BOOKLET

**Certificate in Smart City Development and Management
(CSCDM)**

Last date for submission:

30th November 2025

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

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

Course Code: MIO – 004
Course Title: Smart Cities: Health, Education, Governance and Cyber Security
Assignment Code: MIO – 004/TMA/2025 July
Maximum Marks: 100

1. Attempt all questions. All questions carry equal marks.

Q.1	(a) Discuss the importance of Urban Planning. Explain different ways of Smart Cities Development.	5
	(b) Differentiate between traditional and smart buildings. How do you justify smart buildings are suitable for comfort life.	5
Q. 2	(a) What are the components in a security Camera? Also explain the uses of Security Camera.	5
	(b) Write any five advantages and disadvantages of smart building.	5
Q. 3	(a) What is the need of emerging technologies in smart health care systems? Explain.	5
	(b) How do you integrate command and control centers in Smart Cities?	5
Q. 4	(a) How do you classify Smart Health care system? Explain with Block diagram.	5
	(b) Differentiate between functional and nonfunctional requirements in a smart health care system.	5
Q. 5	(a) What is natural language processing (NLP)? List out the uses of NLP in Health care.	5
	(b) What is Smart Home? What are the advantages and disadvantages of Smart Home?	5
Q. 6	(a) What is electronic records management? How is it differing from traditional records management? Explain	5
	(b) What are smart health platforms and smart home services?	5
Q. 7	(a) What is Nanomedicine? How does Nanomedicine work?	5
	(b) What are the various initiatives of Government of India in Smart health care?	5

Q. 8	(a) What is smart education system? Explain the different medium used in smart education.	5
	(b) Discuss the various opportunities and challenges in online education.	5
Q. 9	(a) Define cyber space. Explain the common cybercrime techniques briefly.	5
	(b) What do you understand about Governance? Explain the difference between e-Governance and e-Government?	5
Q. 10	Write short notes on the following: (a) Cryptocurrency (b) Smart Factory (c) Artificial Intelligence (d) Machine Learning	10

Prof.N.Venkateshwarlu

Programme Coordinator

DSCDM/CSCDM

Room No.104, Block-C

SOET-IGNOU

Maidan Garhi

New Delhi-68

Phone: 8826655368, 011-29572918

Email: nvenkateshwarlu2008@ignou.ac.in