K. J. Somaiya Institute of Technology, Sion, Mumbai-22 (Autonomous College Affiliated to University of Mumbai)

Nov – Dec 2024
Program: B. Tech Scheme I.
Regular Examination: SY Semester: VII

Course Code: HAIMLC701 and Course Name: AI&ML in Healthcare

Date of Exam: 3/12/24 Duration: 02.5 Hours Max. Marks: 60

Instructions:

(1) All questions are compulsory.

(2) Draw neat diagrams wherever applicable.

(3) Assume suitable data, if necessary.

Q. No.	Question	Max. Marks	СО	BT level
Q 1	Solve any two questions out of three: (05 marks each)	10		
a)	Explain the importance of ML in Personalized Medicine.		CO1	U
b)	Explain the tasks in Data mining.		CO2	U
c)	Explain Drug discovery in Machine learning in healthcare use cases.		CO3	U
Q 2	Solve any two questions out of three: (05 marks each)	10		
a) ·	Explain any two applications of NLP in healthcare.		CO4	U
b)	Explain Intelligent Data Exchange in brief.		CO5	U
c)	Explain PICO framework in brief.		CO6	U
Q.3	Solve any two questions out of three. (10 marks each)	20		
a)	Explain working of multi classifier decision fusion and analyze it for Detection of Skin cancer as Malignant or Benign.		CO2	Ap
b)	Which hyperparameter tuning search method is better? Justify it with the detail explanation.		CO3	Ap
c)	Explain Clinical NLP Resources and Tools for AIML Healthcare.		CO4	U
Q.4	Solve any two questions out of three. (10 marks each)	20		Qa i
a)	Explain Low level and High level NLP components in AIML Healthcare.		CO4	U
b)	Define and explain the structure of multi-population evolutionary		CO2	U

K. J. Somaiya Institute of Technology, Sion, Mumbai-22 (Autonomous College Affiliated to University of Mumbai)

Nov - Dec 2024 Program: B. Tech Scheme III

Regular Examination: SY Semester: VII

Course Code: HAIMLC701 and Course Name: AI&ML in Healthcare

	Date of E	xam: 3/1	2/24	Duration: 02.5 Hours	Max. Marks: 60	
	algori	thm mo	dels.	natival bearingment and the organized the		
c)	Apply evidence-based medicine to solve a clinical problem.				CO6 Ap	p
				***********	11 July 2000 12 1978	
				less to the the tenting of by the south of the to so		
				Patri Dischillinge in brief		
				Web all story		
				P Resources and Tools for AIML Healthcare.		
	8					