

TASK 02:- COMPLEX PROBLEM TABLE

S.NO	APPLICATION DOMAIN	COMPLEX PROBLEM IDENTIFIED	JUSTIFICATION
01	DIGITAL ADDICTION	# mainly due to impact on different age groups # interference with daily functioning	# Solving digital addiction requires setting boundaries for screen time, using digital well-being tools, and fostering offline activities. Mindfulness and self-discipline practices help manage cravings and promote healthier technology.
02	SIGNAL TOWERS	# Mainly raised public health concerns. #Environmental impact	#By evaluating alternatives regulatory compliance and community consultation. by these we can solve while maintaining severe quality and addressing community and regulatory concerns.
03	SELF-DRIVING CAR ACCIDENTS	# Mainly there were algorithm limitations and errors. #Unexpected human behavior	#To reduce self-driving car accidents, enhance sensor accuracy and decision-making algorithms through rigorous testing and real-world data. Additionally, implement robust cybersecurity measures and establish clear legal frameworks for liability and safety standards.
04	FOOD SECURITY	#Limited access to agriculture technology and data gaps and lack of digital infrastructure. #High costs and scalability of innovations and lack of locally adapted solutions.	#Increase access to agricultural technology and expand digital infrastructure and connectivity more over improve supply chains and storage technologies and scale and adapt innovations.
05	WATER SCARCITY	#Overuse and mismanagement of water resources and pollution of freshwater sources. #climate change affecting rainfall patterns and water availability.	#Efficient water management and reduce water waste and rainwater harvesting more over clean water access.