|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | APPLICATION DOMAIN | COMPLEX PROBLEM IDENTIFIED | JUSTIFICATION |
|  | BIODIVERSITY LOSS | \* Changes in land use  (eg: deforestation ,intensive mono-culture urbanisation)  \* Direct exploitation such as hunting and over fishing. | \* support local farms  \* Plant local flowers , fruits and vegetables  \* Reducing waste of consumer goods, food , clothes, electrical appliances. |
|  | CLIMATE CHANGE | \*Generating electricity and heat by burning fossil fuels causes a large chunk of global emission  \* Cutting down forests and farming livestock. | \* Improve farming and encourage vegan diet  \* Keep fossil fuels in the ground  \* Invest in renewable energy. |
|  | TRANSPORTATION | \* High frequency of accidents  \* Due to heavy traffic in metro cities it takes lots of time to reach the destination. | \* AI Powered system in vehicles can monitor driver behaviour.  \* AI can monitor traffic signals and advise another path to reach the destination by suggesting another path. |