

S.no	Application domain	Complex problem identified	Justification
1	Healthcare	often multi-faceted, involving interconnected factors and systems rather than single causes	the process of providing reasons and evidence to support decisions regarding treatment, procedures, resource allocation, or policies. It's a crucial element in ensuring ethical, effective, and efficient care. Justification helps demonstrate why a particular approach is the most appropriate for a specific patient or situation, considering factors like clinical need, patient values, and available resources.
2	Manufacturing	supply chain disruptions, lack of skilled labor, poor inventory management, and inefficiencies in processes or operations.	the process of demonstrating that a specific approach, process, or investment is worthwhile and will lead to desired outcomes. This can involve financial justification, where the return on investment is assessed, or technical justification, where the method is compared to others based on feasibility and effectiveness.
3	Agriculture	Require innovative solutions often involving a technology data analysis and sustainable practice	Per agriculture practice and technology depends on the specific contacts goals and values