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| | **S.No** | **Application Domain** |  | **Complex Problem Identified** | **Justification** | **Design Thinking for Complex Problem Solving** | | --- | --- | --- | --- | --- | --- | | 1 | Water Management |  | Ensuring equitable water distribution | Climate change, infrastructure gaps, political boundaries | Empathize with affected areas, ideate local solutions, prototype smart distribution systems | | 2 | Transportation |  | Creating accessible transport for disabled individuals | Varies by disability, infrastructure, and geography | Co-design with users, prototype assistive tools and inclusive planning | | 3 | Workplace Culture |  | Fostering diversity and inclusion | Involves deep-rooted biases and systemic change | Empathize via employee experiences, map cultural pain points, prototype inclusive practices | | 4 | Food Industry |  | Reducing food waste in supply chains | Waste occurs at every stage: farm to table | Understand supply chain inefficiencies, prototype smart logistics and redistribution | | 5 | Climate Policy |  | Building consensus on climate action | Global politics, economics, and equity issues | Map global-local dynamics, co-create fair solutions, prototype community-driven action plans | |  |  |  |  |  |  | |