

Challenge Statements - Manipal

1. Improve the Model of houses taking into consideration the living conditions of the urban poor. The houses lack proper roofing, cleanliness, ventilation, draining systems, infestation and clear panels for light. Design an ideal house which is cost effective and solves the various problems faced by the stake holders.
2. Power supply is a major problem of the urban poor. There is a need for cost efficient lighting systems and charging facilities for home and pathways. Find/Design an appropriate solution for this problem.
3. Stone chulas are used for cooking which causes deposition of soot inside the house and leads to respiratory problems for inhabitants. As most of the huts are covered in black plastic to make them waterproof, there is minimal ventilation and the smoke stays inside. Find an appropriate solution to reduce the stagnation of various harmful gases.
4. Clean water can solve most of the health problems faced by urban poor. Families collect, carry and store water from tanks in various containers. Design a water storing model to help solve this problem.
5. Distribution of water is a major problem of urban poor, for example- bathing, washing clothes usually occur at the same place which causes drainage problems. Find innovative solutions for this problem.
6. Open- air defecation is unhygienic as well as difficult for people living in Urban Poor. Think of solutions for this problem.
7. Poor Waste management causes various health problems especially for inhabitants staying near landfills. Think of various models for segregating, composting and recycling this waste.
8. People face numerous dental problems due to lack of awareness and cheap products for dental hygiene. Think of innovative solutions to solve this major problem.
9. Malnutrition, Anemia, Water and food borne diseases consist of some major health care concerns for the inhabitants. Think about various solutions to reduce this problem.
10. Stakeholders lack knowledge of Family planning and maternity care. Think about various solutions to reduce this problem.
11. There is no play area or proper conditions in the huts for mental growth of children. They might indulge in anti-social activities due to these reasons. Find solutions to this problem.
12. Documentation pertaining to immunization, financial assistance and food is not maintained properly in Urban poor. Sometimes there is no facility for rations, PAN or Aadhar cards. Find solutions for this major issue.

13. Alcoholism, Domestic Violence and general crime occur in the households of Urban Poor. This leads to various mental health issues. How will you tackle this major issue?
14. Stakeholders lack financial literacy like opening bank accounts and keeping tab of expenditure. How do you enable the government resources to these people?
15. Literacy, education and skill building can open new economic prospects to the stakeholders. Think of viable solutions to this problem.
16. Flooding, Climate change and lack of various environmental resources cause various health problems to the stakeholders. Think of solutions to reduce this problem.
17. Social isolation is a major issue to be addressed as it causing lack of participation in decision making process. Think of viable solutions to integrate the Urban Poor into the society.