Blood Pump

Signal Transmission (Sara Keith)
- Signal transmission technology
  - Design of transmitter and receiver
    - Simulation and verification of signals
  - Making signal transmissions feasible

Power Transmission (Robert)
- Research of wireless power transmission (TETS)
  - Analysis and acquisition of power transmission device
  - Optimization of dimensions (Robert)

Packaging of the pump (Oxsana and Carl)
- Design of Packaging (Oxsana and Robert)
- Compatibility of casing with signal transmission technology chosen (Carl)
  - Selection of safe and regulated material
  - Protection of body from pump
  - Ergonomics of packaging design (Robert)

Interaction of pump and pump controls (Oxsana)
- Selection of level of interaction
- Components produced by other team to be used in system

Integration of pump with miniaturization team
- Power Transmission (Robert)
  - Research of wireless power transmission (TETS)
    - Analysis and acquisition of power transmission device

Design of Packaging (Oxsana and Robert)
- Dimensions and physical attributes of the pump component casing
- Selection of safe and regulated material
- Protection of body from pump
- Ergonomics of packaging design (Robert)
- Selection of level of interaction
- Components produced by other team to be used in system