# Project Work

## Concept Development

## Model Development

Developed an ideas and scoring matrix (below) to determine the best system to take forward.

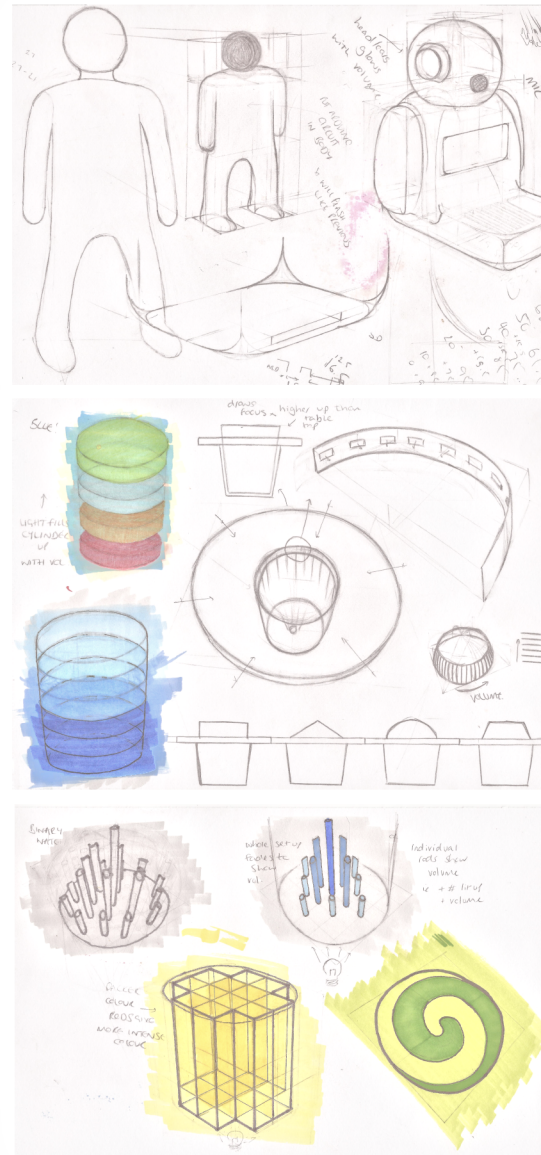Inidvidual unit to be placed on top of the table; easily moved and easy to install

Partly integrated into table using a space in the top.; independent to the table

Integrated within a disply space in the middle of the table; hard to remove.

Fully integrated into table; hard to install.







## Final Model



| Concept | Average System | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| Criteria | | Within Table | Inside Cavity | Table Top unit | Individual unit |
| # Alarms | 2 | 0 | 1 | 1 | 2 |
| Alarm Method | Lights/Vibration | 2 | 2 | 2 | 1 |
| Fixed Position | No | 0 | 0 | 0 | 1 |
| # Power Sources | 1 | 1 | 1 | 1 | 2 |
| Power Source | Mains | 1 | 1 | 1 | 2 |
| Lighting Possibility | High Power | 1 | 1 | 1 | 0 |
| Programme-ability | Medium | 0 | 1 | 2 | 2 |
| Maintenance (Components) | Medium | 0 | 0 | 0 | 1 |
| Retrofit Needed | No | 0 | 0 | 1 | 1 |
| Visual Meter | Obvious | 2 | 2 | 1 | 2 |
| Universal Application | Yes | 0 | 0 | 0 | 1 |
| | | | | | |
| Total | | 5 | 6 | 7 | 10 |