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| **S.NO** | **APPLICATION DOMAIN** | **COMPLEX PROBLEM**  **IDENTIFIED** | **JUSTIFICATION** |
| 1.  2.  3. | Iphone  Dams  Water transport | 1.Battery backup  2.storage  3.High cost  1.Waterlogging  2.Soil erosion  3.Large scale deforestration  1.Sustainability.  2.Digitalization.  3.Bad weather. | 1.It needs to be charged twice a day.  2.it has less storage capacity.  3.It has more features so that high cost.  1.This needs to be done so that water resorviours can be built.  2.A large area might be needed to be underwater for the reservoir.  3.Forest areas where water was not present would need to be underwater which leads to deforestration.  1.The sustainability of container ports is a complex topic.  2.New software and 5G networks cn be a problem for ports that haven’t adapted to new technology.  3.extreme weather events can lead to operational shutdown and economic losses. |