SMART SENSOR

Books are main reference materials in the library. The major problem of returned books via book drop machine has been identified as the main cause of book damage. This problem has been identified through the study and observation. Immediate action must be taken and the best solution should reduce the cost of repairs and restoration.

Smart sensor has been created to speed up the process of book returned at the same time reducing the cost of repairing books.

**MAIN FUNCTION**
- Tracing the book returned through book drop machine
- Send alert to the staff counter to pick up the item in book drop machine

**IMPACT**
- Save Book Repair Costs: RM 1,260
- Save Book Repair Time: 90 days

**AWARDS**
- Innovative and Creative Convention at Universiti Malaysia Perlis (UniMAP)
  - Bronze
- International Innovation & Design In Library (InDeLib 2017)
  - Bronze

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