Data Dicionary

**Entity –** *Building*

**Attribute –** *BuildingName*

**Data Type** – *VARCHAR(50)*

**Constraints –** *NOT NULL, PRIMARY KEY*

**Attribute** – *Campus*

**Data Type –** *VARCHAR(50)*

***Constraints*** *– NONE*

**Attribute** – *Address*

**Data Type** – *VARCHAR(50)*

**Constraints** – *NONE*

**Attribute** – *ReceptionPhoneNo*

**Data Type** *– VARCHAR(50)*

**Constraints** ­– *NONE*

**Entity** – *Location*

**Attribute –** *LocationID*

**Data Type –** *NUMBER(6)*

**Constraints** – *PRIMARY KEY, NOT NULL, UNIQUE*

**Attribute** – *Floor*

**Data Type –** *VARCHAR(1)*

**Constraints –** *NOT NULL*

**Attribute –** *Type*

**Data Type –** *VARCHAR(100)*

**Constraints –** *DEFAULT NULL*

**Attribute –** *RoomNo*

**Data Type –** *CHAR(4)*

**Constraints –** *DEFAULT NULL*

**Attribute –** *CurrentConfig*

**Data Type –** *CHAR(1)*

**Constraints –** *DEFAULT NULL*

**Attribute –** *Length*

**Data Type –** *DECIMAL(3,1)*

**Constraints –** *CHECK (Length > 0)*

**Attribute –** *Width*

**Data Type –** *DECIMAL(3,1)*

**Constraints –** *CHECK (Width > 0)*

**Attribute –**  *BuildingName*

**Data Type –** *VARCHAR(10)*

**Constraints –** *NOT NULL*

**Entity** – *Configuration*

**Attribute –** *LocationID*

**Data Type –** *NUMBER(6)*

**Constraints** – *FOREIGN KEY, NOT NULL*

**Attribute** – *ConfigurationId*

**Data Type –** *VARCHAR(6)*

**Constraints –** *FOREIGN KEY, NOT NULL*

**Attribute** – *Capacity*

**Data Type –** *NUMBER(6)*

**Constraints –** *NOT NULL*

**Entity** – *ConfigurationTypes*

**Attribute –** *ConfigurationId*

**Data Type –** *NUMBER(6)*

**Constraints** – *PRIMARY KEY, NOT NULL*

**Attribute** – *ConfigurationTypes*

**Data Type –** *VARCHAR(10)*

**Constraints –** *NOT NULL*

**Entity** – *Equipment*

**Attribute** – *EquipmentID*

**Data Type –** *NUMBER(100)*

**Constraints –** PRIMARY KEY,*NOT NULL, UNIQUE*

**Attribute –** *EquipmentName*

**Data Type –** *VARCHAR(20)*

**Constraints** –*NOT NULL*

**Attribute** – *Type*

**Data Type –** *VARCHAR(20)*

**Constraints –***NOT NULL, UNIQUE*

**Attribute** – *Make*

**Data Type –** *VARCHAR(20)*

**Constraints –** *DEFAULT NULL*

**Attribute** – *Description*

**Data Type –** *VARCHAR(200)*

**Constraints –** *DEFAULT NULL*

**Entity** – *EquipmentAllocation*

**Attribute** – *LocationID*

**Data Type –** *NUMBER(100)*

**Constraints –** *FOREIGN KEY*,*PRIMARY KEY*, *NOT NULL, UNIQUE*

**Attribute –** *EquipmentID*

**Data Type –** *NUMBER(100)*

**Constraints** – *FOREIGN KEY*,*PRIMARY KEY*, *NOT NULL, UNIQUE*

**Attribute –** *Quantity*

**Data Type –** *NUMBER(100)*

**Constraints** – *DEFAULT 0, CHECK (Quantity >= 0)*

**Entity** – *PC*

**Attribute** – *PCID*

**Data Type –** *NUMBER(100)*

**Constraints –** *PRIMARY KEY*, *NOT NULL, UNIQUE*

**Attribute –** *StudentPCID*

**Data Type –** *NUMBER(100)*

**Constraints** – *DEFAULT NULL*

**Attribute –** *LecternPCID*

**Data Type –** *NUMBER(100)*

**Constraints** – *DEFAULT NULL*

**Attribute –** *OfficePCID*

**Data Type –** *NUMBER(100)*

**Constraints** – *DEFAULT NULL*

**Entity** – *PCAllocation*

**Attribute** – *LocationID*

**Data Type –** *NUMBER(6)*

**Constraints –** *FOREIGN KEY*, *PRIMARY KEY*, *NOT NULL, UNIQUE*

**Attribute –** *PCID*

**Data Type –** *NUMBER(100)*

**Constraints** – *FOREIGN KEY*, *PRIMARY KEY*, *NOT NULL, UNIQUE*

**Entity** – *Staff*

**Attribute** – *StaffID*

**Data Type –** *NUMBER(100)*

**Constraints –** *PRIMARY KEY*, *NOT NULL, UNIQUE*

**Attribute –** *Name*

**Data Type –** *VARCHAR(100)*

**Constraints** – *NOT NULL*

**Attribute –** *Job*

**Data Type –** *VARCHAR(100)*

**Constraints** – *NOT NULL*

**Attribute –** *WorkPhoneNo*

**Data Type –** *Number(20)*

**Constraints** – *NOT NULL*

**Attribute –** *HomePhoneNo*

**Data Type –** *Number(20)*

**Constraints** – *NOT NULL*

**Attribute –** *Email*

**Data Type –** *VARCHAR(100)*

**Constraints** – *NOT NULL*

**Attribute –** *Address*

**Data Type –** *VARCHAR(100)*

**Constraints** – *NOT NULL*

**Attribute –** *Postcode*

**Data Type –** *VARCHAR(10)*

**Constraints** – *NOT NULL*

**Attribute –** *LocationID*

**Data Type –** *NUMBER(6)*

**Constraints** – *FOREIGN KEY*

**Entity** – *Event*

**Attribute –** *EventID*

**Data Type –** *NUMBER(100)*

**Constraints** – *PRIMARY KEY, NOT NULL, UNIQUE*

**Attribute –** *EventDate*

**Data Type –** *DATE*

**Constraints** – *NOT NULL*

**Attribute –** *StartTime*

**Data Type –** *DATE*

**Constraints** – *NOT NULL*

**Attribute –** *EventName*

**Data Type –** *VARCHAR(100)*

**Constraints** – *NOT NULL*

**Attribute –** *EventPurpose*

**Data Type –** *VARCHAR(100)*

**Constraints** – *DEFAULT NULL*

**Attribute –** *Faculty*

**Data Type –** *VARCHAR(100)*

**Constraints** – *DEFAULT NULL*

**Attribute –** *StaffID*

**Data Type –** *VARCHAR(100)*

**Constraints** – *FOREIGN KEY, NOT NULL*

**Entity** – *Booking*

**Attribute –** *LocationID*

**Data Type –** *Number(6)*

**Constraints** – *FOREIGN KEY, NOT NULL*

**Attribute –** *EventID*

**Data Type –** *Number(6)*

**Constraints** – *FOREIGN KEY, NOT NULL*

**Attribute –** *Date*

**Data Type –** *DATE*

**Constraints** – *FOREIGN KEY, NOT NULL*

**Attribute –** *StartDate*

**Data Type –** *Date*

**Constraints** – *FOREIGN KEY, NOT NULL*