



The Islamia University Bahawalpur

Subject:

Database System

Department:

Software Engineering

Semester:

4th

Class:

2E

Teacher:

DR. Muhammad Nauman

Topic:

Attendance Management System

Group Members:

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→Entities:

1. Students
2. Classes
3. Attendance Records
4. Vehicle Tack For Attendance
5. Camera Based AI
6. Biometric
7. Courses

→Attributes of Students:

1. Student ID
2. Name
3. Father Name
4. Dob
5. Roll No
6. CNIC
7. Gender
8. Address
9. Phone no
10. Total courses
11. Attendance history

Stud ent id	Nam e	Fathe r name	Dob	Roll no	CNIC	Gend er	Addr ess	Phon e no	Total cours es	Atten danc e histor y
1	xyz	xyz	xyz	1	-	x	abc	0300	6	Null
2	xyz	xyz	xyz	2	-	y	abc	0300	6	null

→ **Attributes of Classes:**

1. iD
2. Class name
3. Class description
4. Class timing
5. Class schedule
6. Instructor name
7. Student name
8. Attendance policy
9. Grading policy

id	Class name	Class descrip tion	Class timing	Class schedu le	Instruct or name	Student name	Attenda nce policy	Gradin g policy
1	xyz	rmn	xyz	xyz	xyz	xyz	xyz	xyz
2	xyz	rmn	xyz	xyz	xyz	xyz	xyz	xyz

→ **Attributes of Attendance Records:**

1. Date
2. I'D Number
3. Student Name
4. Class/Section
5. Time In/Out
6. Teacher's Signature

Date	ID no	Student Name	Class/Section	Time in/out	Teachers signature
1-x-xy	1	xyz	E	2-3	Rmn
2-x-xy	2	xyz	E	3-4	Rmn

→ **Attributes of Vehicle Track For Attendance:**

1. Vehicle ID
2. Date
3. Driver Name
4. Driver ID
5. Entry Location
6. Exit time

Vehicle ID	Date	Driver name	Driver id	Entery location	Exit time
1001	xyz	xyz	xyz	xyz	xyz
1002	xyz	xyz	xyz	xyz	xyz

→ **Attributes of Camera Based AI:**

1. Camera Type
2. Image Quality
3. Processing Power
4. Object Detection
5. Alert System
6. Data Storage

Camera type	Image quality	Processin g power	Object detection	Alter system	Data storage
xyz	xyz	xyz	xyz	xyz	xyz
xyz	xyz	xyz	xyz	xyz	xyz
xyz	xyz	xyz	xyz	xyz	xyz

→ **Attributes of Biometric:**

1. Universality
2. Performance
3. Acceptability
4. Resistance to spoofing
5. Scalability
6. Interoperability

universality	performance	acceptance	resistance	scalability	interoperability
xyz	xyz	xyz	xyz	xyz	xyz
xyz	xyz	xyz	xyz	xyz	xyz

→ **Attributes of Courses:**

1. Syllabus
2. Level
3. Credit hours
4. Prerequisites
5. Instructor
6. Learning activities

syllabus	level	Credit card	prerequisites	instructor	Learning activities
xyz	xyz	xyz	xyz	xyz	xyz
xyz	xyz	xyz	xyz	xyz	xyz