

Faculty Conference Management System

- **Description:**

- This System help the researchers to present their researches and documentations and facilitate this process to the faculty.

- **Scenario to the project:**

- This system consists of 3 main users which are (Authors, Admin, Reviewers). The Authors have papers or documentations that they want to discuss and present. So, they register and log in to submit their paper to the admin, Then the Admin assign the papers to the Reviewers to review the papers and change it state to accepted or Rejected or need to be updated, Then the Admin will send to the author his paper's state and If the paper's state is accepted the Admin send to the author his presentation place and time.

- **Project Assumptions:**

- The Admin has all the resources related to the faculty halls.
- The Admin has all the schedules of the faculty halls.
- The Admin has a direct connection to the faculty managers to be able to reserve and organize the presentations.
- Reviewers will be committed to the deadline of reviewing the papers to respond to the paper's state.
- Faculty will be committed to the timeline of the presentations.

- **ERD:**

Entity: we have 5 entities (author, paper, reviewer, conference, research field category).

- ❖ **Author entity:** *Has 7 attributes.*

Primary Key: "ID".

Normal attribute: "D_birth", "address", "Email".

Multivalued attribute: "Phone".

Derived attribute: "age" --> because it changes and I can get it from another attribute.

Composite attribute: "Name".

- ❖ **Reviewer entity:** *Has 7 attributes.*

Primary Key: "ID".

Normal attribute: "D_birth", "address", "Email".

Multivalued attribute: "Phone".

Derived attribute: "age" --> because it changes and I can get it from another attribute.

Composite attribute: "Name".

- ❖ **Paper entity:** *Has 3 attributes.*

Primary Key: "ID".

Normal attribute: "Content", "Title".

❖ **Conference entity:** *Has 5 attributes.*

Primary Key: "ID".

Normal attribute: "Date", "Place", "Duration", "Description".

❖ **Research Category field entity:** *Has 3 attributes.*

Primary Key: "ID".

Normal attribute: "Name", "Description".

• **Relations:**

❖ One-to-Many: Author --> Conference (it's a one to many because every author can submit multiple papers and attend multiple conferences and every conference should be attended by an author so it should be mandatory relation).

❖ One-to-Many: Research category field --> Paper (it's one to many because every paper has a category and it's mandatory to the paper to have category but not every category should be included in a paper).

❖ One-to-Many: Author --> Paper (every author can write a paper or more, but the paper can't be written by more than one author).

❖ Many-to-Many: Paper --> Reviewer (every paper can be reviewed by more than one reviewer).