

National University of Computer & Emerging Sciences (NUCES) Islamabad,

Department of Computer Science

CS2005 - Database Systems -Spring 2022

Project Report



Submitted by:

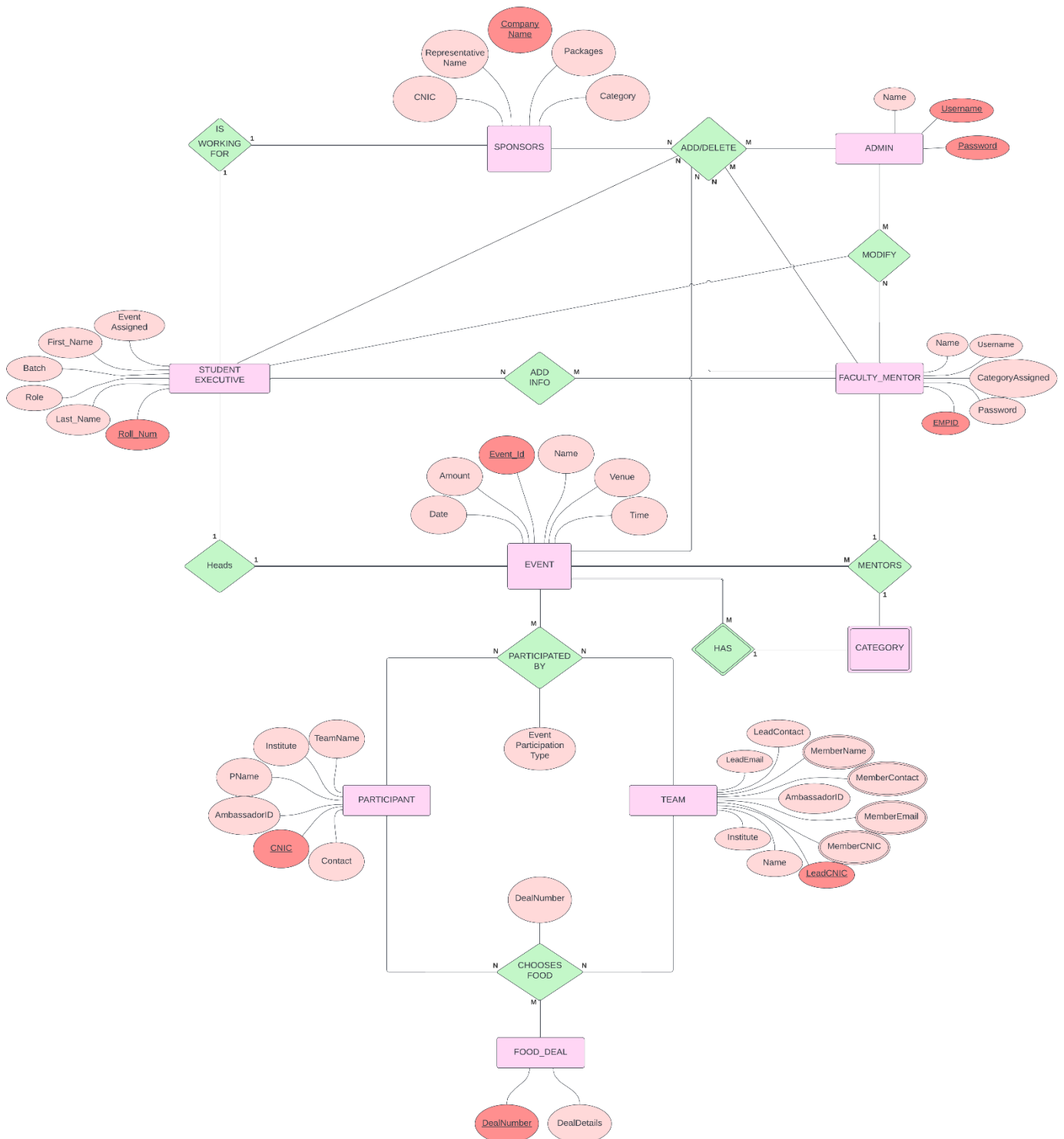
Alina Aftab	20i-0961
Murtaza Haider	20i-0822
Sadam Hussain	21i-2241

Table of Contents

Entity Relationship Diagram	3
Schema.....	5

Entity Relationship Diagram

Database Project Entity Relationship Diagram Nascon Management System



Using the ERD, Relationships were mapped using a respective foreign key and in most cases, additional table(s) was/were used to ensure normalisation.

The constraints are shown in the ERD and the respective foreign keys are depicted in the schema below.

Schema

Admin

username	password	Name
pk		

Category

Category
pk

Category_Mentor

Emp_ID	Category
pk	fk

Category_Secretary

Category	Secretary	Roll_No
	fk	

Event

Event_ID	Name	Venue	Time	Date	Amount	Participation_Type
pk						

Event_Category

Category	Event_ID
fk	

Event_Mentor

Emp_ID	Event_ID
fk	

Executive_Body

Executive_Roll_No	Role
fk	

Faculty_Mentor

username	password	Name	Emp_ID	Category
			pk	

Food_Deal_Bought_Participant

Deal_ID	CNIC
fk	

Food_Deal_Bought_Team

Deal_ID	Lead_CNIC
fk	

FoodDeal

Deal_ID	Deal_Details	Price
pk		

Individual_Event_Registration

Event_ID	Participant_CNIC	Ticket_ID
	fk	pk

Participant

Team_Name	Name	Institute	Ambassador_ID	CNIC	Contact
				pk	

Participant_Team

Team_Name	Lead_Email	Lead_Contact	Ambassador_ID	Institute	Lead_Name	Lead_CNIC
						pk

Participant_Team_Members

Team_Lead_CNIC	Team_Name	Member_Name	Member_Contact	Member_Email	Member_CNIC
fk	pk				pk

Sponsors

Company	Representative	Rep_CNIC	Category	Package
		pk		fk

Sponsors_Packages

Package	Price
pk	

Student_Body

Roll_No	Name	Batch
pk		

Student_Event_Head

Event_ID	Student_Head_Roll_No
	fk

Team_Event_Registration

Event_ID	Lead_CNIC	Ticket_ID
	fk	pk

Team_Members

NasCon_Department	Role	Member_Roll_No	Team_Head_Flag
		fk	