

Name: Debashmita Saha, Enrolment Number: EBEON0524136576, Batch Code: 2024-RDMS

Database Normalization

University Database

Student_ID	Name	Address	Phone	Course_ID	Course_Name	Instructor	Course_ID	Course_Name	Instructor	Credits	Department	Student_ID	Course_ID	Enrollment_Date	Grade
124589	Arav Gupta	Arunachal Pradesh	2314564580	901234	Data Analytic	Mr. Kadam	901234	Data Analytic	Mr. Kadam	50	Data Science and AI	573824	124589	02-02-2024	42
345678	Priya Singh	Punjab	6543217980	678901	AI	Mr. Kumar	678901	AI	Mr. Kumar	50	Data Science and AI	124589	345678	05-02-2024	43
456789	Rohan Patil	Haryana	9876544657	234567	Management	Ms Shaw	234567	Management	Ms Shaw	50	Management	987432	456789	03-03-2024	39
573824	Anjali Sharma	Gujrta	1234564697	901234	Data Analytic	Mr. Kadam	901234	Data Analytic	Mr. Kadam	50	Data Science and AI	345678	573824	15-03-2024	46
890123	Suresh Kumar	Delhi	5678904657	543210	Finanace	Mr. Kannan	543210	Finanace	Mr. Kannan	50	Finanace	890123	890123	10-04-2024	40
987432	Isha Chatterje	West Bengal	3456784120	678901	AI	Mr. Kumar	678901	AI	Mr. Kumar	50	Data Science and AI	456789	987432	30-04-2024	41

Normalized University Database					
Students Table					
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124589	Arav Gupta	Arunachal Pradesh	2314564580	901234	42
345678	Priya Singh	Punjab	6543217980	678901	43
456789	Rohan Patil	Haryana	9876544657	234567	39
573824	Anjali Sharma	Gujrta	1234564697	901234	46
890123	Suresh Kumar	Delhi	5678904657	543210	40
987432	Isha Chatterje	West Bengal	3456784120	678901	41

Course_ID	Course_Name	Instructor_ID	Credits	Department
901234	Data Analytics	INS_56	50	Data Science and AI
678901	AI	INS_57	50	Data Science and AI
234567	Management	INS_93	50	Management
543210	Finanace	INS_61	50	Finanace

Instructor's Table			
Course_ID	Instructor_ID	Instructor	Department
901234	INS_56	Mr. Kadam	Data Science and AI
678901	INS_57	Mr. Kumar	Data Science and AI
234567	INS_93	Ms Shaw	Management
543210	INS_61	Mr. Kannan	Finance

Enrollment Table			
Student_ID	Enrollment_ID	Enrollment_Date	Instructor_ID
573824	STU_103	02-02-2024	INS_56
124589	STU_105	05-02-2024	INS_57
987432	STU_227	03-03-2024	INS_93
345678	STU_104	15-03-2024	INS_56
890123	STU_501	10-04-2024	INS_61
456789	STU_106	30-04-2024	INS_57

ER Diagram

