

Relational Schema

(1) **College** (clg_name, clg_id, fees, location, clg_rank, highest package , scholarships offered, est_year, clg_type)

primary key: clg_id

(2) **Campus facilities**(size , sports facilities , library, medical)

weak/partial key: size

foreign key : clg_id

primary key : size, clg_id

(3) **Program** (prog_name, prog_id, avg_package, Girls:Boys ratio, leading_company, percent of students placed , Intake, AI_cat_name , AI_cat_opening rank , AI_cat_closing rank , HS_cat_name , HS_cat_opening rank , HS_cat_closing rank)

primary key: prog_id

composite attribute: All India rank(AI_cat_name , AI_cat_opening rank , AI_cat_closing rank)

composite attribute: Home state rank(HS_cat_name , HS_cat_opening rank , HS_cat_closing rank)

(4) **Courses**(course_name, course_id)

foreign key : prog_id

primary key : course_id

(5) Faculty(faculty_name, faculty_id , experience(in years), qualification)

primary key: faculty_id

foreign key : course_id

(6) Offers (prog_id, clg_id)

primary key: prog_id, clg_id

foreign key : prog_id

foreign key : clg_id

(7) Contains(prog_id, course_id)

primary key: prog_id, course_id

foreign key : prog_id

foreign key : course_id