

Draw a Statechart diagram according to the given scenario:

A course is initially created in offered state. The offered courses are then included by the students in their requests and the requests are placed for registration. Some of the requested courses are then had to be checked against other completed courses by the students as their pre requisites. If the pre-requisites are fulfilled students are added in the courses. When a course reaches the limit of its capacity the course is then closed for further student requests. On the other hand if there are not enough students requesting for a course the course is cancelled. Once the student registration is finished a time schedule is attached the course along with a teacher. At the end of the semester the course is evaluated by the authority. If the evaluation is satisfactory it is recommended for the next semester, otherwise it is recommended for up gradation.

