

Model for teacher attendance

Branch id (for relationship with branch)
Teacher number (for relation with teacher)

Date
Check In time
Checkout Time
Total Late Time
Total Duty Time
Attendance Status (Present , Absent , leave , half day , shortday , late arrival , late arrival absent)
Leave type (if he taken leave otherwise show none)

Model for staff attendance

Branch id (for relationship with branch)
Staff number (for relation with teacher)

Date
Check In time
Checkout Time
Total Late Time
Total Duty Time
Attendance Status (Present , Absent , leave , half day , shortday , late arrival , late arrival absent)
Leave type (if he taken leave otherwise show none)

Checks Before Attendance added

- 1) Before fetching data for a teacher or staff member make sure its attendance data not present in same date
- 2) Before marking absent check leave model to make sure he is on leave or not
- 3) Fetch his leave type
- 4) Check if his late time is more than 60 minutes and he is still coming late mark him absent

Checkin and checkout time limit

Create a portion in branch setting for teacher checkin and teacher checkout time
Same for admin staff

Attendance status show condition

- 1) If a teacher or admin staff came on or before defined check in time and leave on or later defined checkout time make him present
- 2) If he came late from defined check in time make his attendance status late arrival and count his late time
- 3) If his total late time today(current adding) and previous monthly (present month) is more than 60 minutes mark him late arrival absent
- 4) If a teacher leave before checkout time than mark him half day leave or short leave

Difference between half day leave and short day leave

If a teacher or staff member do not complete his working time and its less than or equal to 2 hour mark him a short day leave

And if a teacher totl hours reduced for 2 or 4 hours make this a half day leave
Anything higher than this mark him absent

One more condition for half day leave and short

If someones late time more than 1 hour and less than 1.5 hours make his status as short day leave and do not count late time

And if some ones late time more than 1.5 hours and upto 4 hours mark him as half day leave and if he cam more late like 11:40 or 11: 15 mark these extra minutes as late time in short day leave and its allowed for 5 hour if he arrive 5 hours late mark him absent and if he apply leave than make him on leave

All attendance data should be edited by branch admin like he can manage and change there attendance status etc

And if someones data not present in current date than mark him absent and if he is on leave than mark him on leave also

If some one came on half day or short day leave check he is informed about it or not so check leaves for those status too

Note system must have capable to handle 1 week data at a time