

7.2 Best Practices

BEST PRACTICE 1:

TITLE OF THE BEST PRACTICE: ECO-FRIENDLY AND GREEN CAMPUS

The Context:

Today there is a great need for conservation because, we are facing several environment problems. The main cause behind these problems is that human beings are consuming natural resources at a much quicker pace than they can be replenished. Pollution is becoming very serious day by day due to deforestation and urbanization. A clean and healthy environment aids effective learning and provides a conducive learning environment. MNR Medical College and Hospital, Sangareddy has decided to educate and make students aware on the issues such as renewable energy sources, waste management and recycling and protect the natural ecosystem disseminating the concept of eco-friendly culture. To attain this the areas of power, plantation, water, air and cleanliness are chosen.

Objectives of the Practice:

1. To Protect the human race from the effect of environmental pollution.
2. Maintaining Smoke free and tobacco free campus
3. Creating eco-friendly campus by tree plantation.
4. Energy conservation including generation of energy.
5. Efficient use of water resources.
6. Effective management of biomedical waste

The Practice:

MNR Medical College and Hospital, resolved to work with stakeholders to foster a culture of self-sustainability and eco- friendly campus.

Following are the initiatives for making eco- friendly campus.

- a) Plantation:
- b) The different varieties of plant species are planted at defined intervals in the campus with the help of stakeholders. During last five years, many plants and trees were grown. Present green campus is the outcome of such sincere efforts.
- c) No Smoking, No Tobacco in campus area: -
- d) Tobacco and tobacco products are strictly prohibited in the college premises and its consumption is a punishable offence.
- e) To avoid the air pollution there is a restricted entry of vehicles in the campus and the

vehicles are allowed to park in dedicated parking areas only and is away from Medical college building.

- f) Rain water harvesting: -
- g) Rain water conservation is met with the establishment of rain water harvesting system which sufficiently overcomes water scarcity during the summer.
- h) Promotion of Plastic free Campus: - Discouraging use of plastic material to make the campus plastic free.
- i) The pedestrian friendly pathways are laid on either sides of the road.
- j) Use of battery operated electric vehicle to avoid air pollution and to save fuel.
- k) Waste water recycling by sewage treatment plant.
- l) Solid waste management

Evidence of Success:

These initiatives serve to create and maintain eco-friendly environment, also adding beauty to the campus.

- Drastic cut down on electricity bills helping in energy conservation.
- In- house water conservation methods help in the maintenance of eco-friendly green campus reducing the need for external water resource.

Challenging issues and resources required:

There were difficulties in installing solar plant. However, the ardent and earnest efforts of the management resolved the issues.

A team of gardeners along with adequate water supply for the maintenance of the green campus.

BEST PRACTICE: 2

TITLE: STUDENT BIOMETRICS:

Objectives:

- i. To inculcate and maintain discipline in students
- ii. To provide accurate attendance of students

(This biometric attendance is tamper proof and proxy denied. It an accurate way of making sure the respective students attended the classes at their stipulated times)

- iii. Weekly information to parents about their ward's attendance

(Parents can have direct information on how their wards are attending classes and clinic on weekly basis. Any discrepancy in attendance can be cross checked with the system on calls)

- iv. Easy & quick method of deriving attendance report between any two dates.

(Availability of digital data allows quick calculation of attendance between any two days / weeks/ months such that information is available on one click)

v. Minimizes paper usage (going green)

Context:

Student Biometric attendance systems use the fingerprints of students to verify who is actually clocking in lectures of each day. This system will not take entry by student after stipulated time avoiding proxy and wrong working. The manual attendance system have inherent discrepancies when applied to large number of students which include errors in calculation of final attendance. These discrepancies can be overcome by the use of biometric system which provides objective, real time based, tamper- proof, accurate and reliable attendance.

Practice:

At MNR Medical College and Hospital, Sangareddy, Biometric attendance of students is recorded at 9:00 am and at 5:00 pm through finger punching. The data obtained is processed and following automated reports are generated and maintained as attendance record –

I. Day – wise attendance

II. Attendance summary report below 75% cut-off mandate for university examinations.

III. Attendance between any two dates

IV. Recording late attendance for inculcation of discipline.

V. Teaches time management.

Some of the best advantages of biometric attendance are: -

Easy and feasible: it is easy and feasible method of recording attendance compared to manual method.

Eco friendly: minimizes paper usage

Accuracy: it assures original attendance discourages proxy.

Time-saver: Due to automation the biometric system calculations aid in reduced labor

Error-reduction: It overcomes inherent errors of the manual method

Faculty friendly and Communicative

Evidence of success: The attendance system is 100% accurate and tamper – proof.

We want our students to show up for classes. When they do, they have a better chance of performing better in academic and patient care in clinic. When they do, they have a better chance of succeeding academically. When they do, we move our institute forward.

Strong student attendance records are tied to higher grades. Students who attend class regularly were also more likely to study regularly at home and score higher on standardized tests.

Time and again, research has validated the importance of student attendance.

If attendance is potentially the silver bullet to improving student success, it's time to change how we handle attendance.

Problems encountered & resources required:

Problems encountered:

- a. Designing and customizing the software
- b. Incorporating the system in regular attendance taking practice.

Resources required:

- a. Biometric device installed with software
- b. Internet connection to transfer data (< 10 min thrice in a week)