

BEST PRACTICES OF OUR COLLEGE

ACADEMIC SESSION - 2019-20

Best Practice I: Restricted Uses of Air Conditions in the College Premises

a) Goal:

Environmental awareness has been an important practice, implemented in Srikrishna College. The college is situated in a rural area, Bagula in Nadia, east-southern part of West Bengal. As a result, the average temperature in Bagula is around 28 - 40 °C in a year. Last few years, as a part of college development process, the smart classrooms, conference rooms are built in the College premises. Practical rooms with computers are also established for various departments such as Computer science, mathematics, Physics, geography, Commerce etc. Therefore, college authority was obligated to install air conditions in some of the rooms of college premises. Specially, the air-conditions are required to be installed in the rooms with computers, i.e., server rooms, computer laboratories of various departments, smart classrooms, conference rooms and library etc. Unquestionably, the college authority was admonished by the unavoidable circumstances arise from the installation of air conditions. There for the following measures has been taken while purchasing the tender of air conditions:

- ❖ Refrigerant of the air conditions should be environment friendly i.e., with low global warming potential (GWP ~ 3 %).
- ❖ The refrigerant or other components gases should not have ozone depletion quality.
- ❖ The Air conditions must be energy efficient i.e., less power consumption with variable refrigerant flow.
- ❖ The air conditions must have ducted heat pumps.
- ❖ Keeping this in the priority, the college have bought 41 pieces of one split air-conditions (A.C. machines) and installed them in the respective rooms on the year of 2019-2020.

b) The Practice:

- ❖ To keep the use of air conditions restricted and energy efficient following rules are implemented on the users,
- ❖ Keep the air condition unit on a stable temperature (T), preferably $T \geq 24^{\circ}\text{C}$.

- ❖ Use the fan setting, although the fan does not cool the air as the cooling setup, but this keeps a refreshing and maintained temperature.
- ❖ Use the air conditions only when any one need it. Specially, switch it off before leaving the college.
- ❖ If the room needs to be cooled urgently, make use of air conditioner's timer setting to ensure the cooling.
- ❖ Avoid auto mode of the air-conditions and make sure that the doors and windows are closed for the room.
- ❖ Schedule regular maintenance visit for the air-conditions to keep the air flow clean through the ducts and change the filters.

c) Evidence of Success:

- ❖ Srikrishna College has successfully installed the air conditions during the last few years.
- ❖ The restricted use of these machineries made college electrical consumption nominal.
- ❖ The decision of buying air conditions with R290 refrigerants has been most effective. A refrigerant-grade propane commonly named as R290 is a hydrocarbon have low flammability and non-ozone layer depleting properties.
- ❖ These air-conditions are more efficiently used and the purpose is served properly as now, the e-learning process have become necessity for all of us in these years.

d) Development Required:

As our college building is quite old modeled, the insulation of the various air-conditioned rooms is not very efficient. There needs to be taken extra care for sealing up the leaky spots in some rooms. The windows should be properly insulated by modern double-glass techniques. Special attention needs to be given on the part of air-conditions i.e., pipes, ducts, and outlets and these could be the significant spots for extra insulation. There is water drainage problem in certain room from the air-conditions. As the weather get particularly humid, the condensate drains the condensed water of cooling units. Sometimes, if the drainage pipe is clogged or not mounted level properly, then it cannot drain the water properly. Monthly checks up for these rooms are required.

Best Practice II: Online Classes and Webinar in the Lockdown Period

a) Goal:

The Covid-19 Pandemic has prompted the educational institutes to adopt an alternative of Classroom teaching all over the world. Srikrishna College was not an exception in this crisis period and took up this opportunity to explore the digital learning processes. College authority has decided to continue the classes and complete the courses for the students during the lock down period through online platform. Srikrishna College was already using the Google workspace i.e., G-suite mechanism for communication and collaborative works in the institution from 2019. This was an effective measure taken by the college authority which was immensely helpful for the faculty members for digitizing the data securely and keep arranging the records for all kinds of work purposes. That is the reason, our college have selected Google meet and Google Classroom platform to carry forward the classes for the digital learning purposes during this lockdown period.

b) The Practice:

Srikrishna College have now 90 faculty members (Full time professors and State aided college teachers) from different age groups. For many of the faculty members, this digital platform was new as it is online live classes. Therefore, the college authority has arranged demonstration classes for faculty members to inform about the use of the abovementioned online platform. The students of Srikrishna College were from different socioeconomic circumstances and most of them are from rural area of Nadia district. Most of the students have no or little internet/cyber accessibility for computers or smart phones. Therefore, the first and foremost obstacle handled by the teachers was to convince the students about the online classes and its applicability in specified cases.

c) Evidence of Success:

The following steps are taken by the college to succeed in the online platform for digital learning:

- ❖ One faculty from each department has given the responsibility to reach out the students over phone and inform about the e-classes.
- ❖ Each department has done the demonstrations for online classes to the students.
- ❖ Each semester has been a classroom space and specified Whats-App group to notify about classes and learning materials.
- ❖ The assignments and quizzes are first demonstrated to the students, then the practice of taking quizzes online is continued. Assignments are also given and collected by the teacher in digital platform.

- ❖ The basic digital skills of each student are becoming better day by day which might help them in their future career.
- ❖ Not only the online-classes, Srikrishna college have arranged different national and international webinars on different issues of education, social, health, environment and cultural etc for the students and faculty members in this academic year.

d) Development Required:

Till now, the participant limit of Google Meet for a particular meeting slot is 200 people. We need to increase the limit to at least 500 participants each slot. This will be helpful for classes of programme students. The hands-on practical classes are not yet included in online mode. This perspective must be added in future to help the students who have practical in their respective courses. Lecture series on some, popular social and culture topics could be arranged through this online platform as a campaigner practice from the college in each year. Network Problems in rural areas due to rainy/stormy weather and unavailability of smart gadgets for each student due to their economic crisis are also critical issues for e-learning platforms.