

Best Practices – I

1. Title of the Practice

Automated Weather station (AWS)

2. Objectives of the Practice:

- ❖ The data generated here benefits the local people.
- ❖ This data is useful for the Farmers, Agriculturists, and Horticultural Specialists & Apiarists.
- ❖ It records weather recorded data like Temperature, Relative Humidity, Atmospheric Pressure, Rainfall, Wind Speed, and Wind Direction & Solar Radiation.
- ❖ The data is useful for the researchers of our University as well as other universities.
- ❖ The data is also useful for bee-keeping.

3. The Context

- AWS records the continuous real time weather information of the area.
- The local people as well as farmers are benefited from the data.
- The people were not aware of such information before this AWS installation.
- As the area is dry and is also threatened by drought-like condition due to vagaries of nature the data is extremely beneficial to local people for them to plan sustainable ways to negotiate extreme conditions.
- The data is available to all the people.

4. The Practice

- ✓ An Automatic Weather Station (AWS) is defined as a facility that automatically transmits or records observations obtained from measuring instruments.
- ✓ A data logger and our university data hub is already linked to the station for the weather data which is automatically logged.
- ✓ Comprehensive statistics can be automatically calculated and analyzed from the available data.
- ✓ Impressive visual graphics can be displayed
- ✓ Detailed data is available like the complete pattern of wind speed & direction throughout the day which can be logged.
- ✓ In an AWS, the measurements of meteorological elements are converted into electrical signals through sensors.

- ✓ The signals are then processed and transformed into meteorological data. The resulting information is finally transmitted by wire or radio or automatically stored on a recording medium.
- ✓ This kind of real time as well as point data were not available before. This data will be used by our scholars for further research.
- ✓ This work has started on real time data and the forecasting of the weather will be done after some time. This is the constraint and limitation of the data.

5. Evidence of Success

- The local newspapers are using the data regularly.
- The farmers are also benefited from the data which is provided by our university through local newspapers.

6. Problems Encountered and Resources Required

- Only problem we face regarding the practice is the connectivity hazards of the mobile network system because the data transfer is transmitted through it.

7. Notes (Optional)

- ❖ It can be relevant for other institutions. This kind of practices can be done globally which will benefit the society and environment at low cost.

Best Practices – II

1. **Title of the Practice:**
Financial management through online transaction.
2. **Objectives of the Practice**

User institutions enjoy many advantages as well. For instance,

- Savings on administrative machinery and costs of printing, dispatch and reconciliation of paper instruments that would have been used had beneficiaries not opted for ECS Credit.
- Better cash management because of realization / recovery of dues on due dates promptly and efficiently.
- Avoid chances of loss / theft of instruments in transit, likelihood of fraudulent encashment of paper instruments, etc. and subsequent correspondence / litigation.
- Realization of payments on a uniform date instead of fragmented receipts spread over many days.

- Efficient payment mode ensuring that the beneficiaries get credit on a designated date.
- Cost effective.

3. The Context

Online mode is used by the University for affording credit to a large number of beneficiaries having accounts with bank branches at various locations within the jurisdiction of an ECS Centre by raising a single debit to the bank account of the user institution. ECS Debit is used by the University for raising debits to a large number of accounts maintained with bank branches at various locations within the jurisdiction of a ECS Centre for single credit to the bank account of the user institution. ECS Debit is useful for payment of telephone / electricity / water bills, cess / tax collections, loan instalment repayments, insurance premium etc., that are periodic or repetitive in nature and payable to the user institution by large number of customers etc.

ECS is an electronic mode of payment / receipt for transactions that are repetitive and periodic in nature. ECS is used by University for making bulk payment of amounts towards party/ vendor in connection with all recurring and non-recurring expenditures, salary, pension, etc., or for bulk collection of amounts towards various fees from the students of the University and affiliated colleges of the University. Essentially, ECS facilitates bulk transfer of finances from one bank account to many bank accounts or vice versa.

4. The Practice

The University collects the bank account particulars prior to participation in the online payment mode. The beneficiary account holders are required to give mandates to the university in the prescribed mandate format of the University to enable them to afford credit to their bank accounts through the online mode mechanism. After getting the duly filled in mandate form from the vendors, the university prepares a payment advice sheet where the bank details of all beneficiaries are mentioned. And the university submits the same to the Bank for payment to the vendors. The Bank pays the same through ECS mode.

5. Evidence of Success

A copy of the evidence is attached herewith for kind reference. Results are given below,

- Savings on administrative machinery and costs of printing, dispatch and reconciliation of paper instruments that would have been used had beneficiaries not opted for ECS Credit.
- Better cash management because of realization / recovery of dues on due dates promptly and efficiently.
- Avoid chances of loss / theft of instruments in transit, likelihood of fraudulent encashment of paper instruments, etc. and subsequent correspondence / litigation.
- Realization of payments on a uniform date instead of fragmented receipts spread over many days.
- Efficient payment mode ensuring that the beneficiaries get credit on a designated date.

- Cost effective.

6. Problems Encountered and Resources Required

-NIL

7. Notes (Optional)

- NIL