7.2.1 Describe at least two institutional best practices:

1. Title of the practice: Vivek Vahini

1. Goal:

- To promote scientific temper among the youths especially from rural areas with a view to enable them awaken the masses intellectually

- To inculcate conscience among the students

- To eradicate blind believes of the society

- To develop environment consciousness

- To inculcate values like social equality, national integration, feeling of brotherhood and self-help

2. The Context:

Vivek Vahini is an active and self-realization scheme to develop a scientific temper among present generation. The curriculum might not be enough to inculcate skills/ soft skills/ personality development, etc. However, to bridge this gap Vivek Vahini extends its efforts to bring all the above values to build the nation and its new generation. As per our mission and objectives we organize various activities under this scheme.

3. The Practice

Vivek vahini conducts the various activities throughout the year. Following the major activities are carried during last five years.

2018-19

Date	Name of the activity
10/09/2018	Lecture on Human values
20/09/2018	Wall magazine Vivek vahini
20/10/2018	Book exhibition
04/01/2019	Visit to dump and deaf school
01/02/2019	Laws against Jadu-Tona

01/02/2019	Buvabaji, Chamatkar and Science
01/02/2019	Book Exhibition

4. Evidence of Success:
- The students and neighbouring community became aware about superstition.
- The neighbouring community became aware about the bad effects of the addiction.
- Cracker-free Diwali Drive made the neighbouring community and the students aware about the dangerous effects and pollution of the environment.
- Wall magazine increase the literary insight among the young writers

2. Title of the Practice: Soil and Water Analysis
1. Goals:

- To create awareness among the neighbouring farmers about the use of soil and water
- To test the physical and chemical quality of soil and water of the nearby villages
- To create the awareness about the crop rotation and use of fertilizers
- To guide the neighbouring farmers regarding to increase the yield

2. Context:

The institution is located in hilly, rural and drought-prone area which is predominantly inhabited by socio-economically underprivileged community. Majority inhabitants of the area depend upon farming and animal husbandry. Hence, to make the learning resources community-oriented, the institution has sincerely pacticed soil and water analysis activity. In soil anaylsis

physical parameters like colour, texture, WHC and moisture content, while in chemical parameters like pH, EC, CO_3, HCO_3, Cl and SO_4 are analysied. In Water analysis, the physical parameters like colour, odour, tirbidity, and TSS, while chemical parameters like pH, EC, TDS, acidity, alklinity, hardness, Cl and CO_3 are analysed.

3. **The Practice:**

The Department of Chemistry along with current students and alumni takes initiatives in practicing such community oriented activity. The farmers bring water and soil samples from their respective fields. The students analyse the samples by using the satandard procedure. After analysis, report the samples are prepared and the proper guidance regarding quality of the soil and water to enhance the yield. Accordingly the suggestions regarding use of firtilizers and crop rotation are given the respective farmers. The institution charged the amount Rs. 25/- for each sample.

Year-wise Beneficiaries:

Year	No. of Beneficiries
2018-19	64

4. **Evidence of Success:**

- The students of the institution collect the data regarding yield of the farmers from respective villages.
- The data collected by the students shows increase in yield as well quality of the crops.
- Due to crop rotation the quality of soil is improved
- The faculty from Chemistry department published two research papers regarding soil and water analysis in international journals.
- The economic status of the respective framers is improved.