

7.3 Institutional Distinctiveness:

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response: Nature of land in our college surrounding

Flora & fauna on the college premises

To identify and protect the fauna on the college premises and to strike a balance between human development and wildlife conservation, thereby securing a sustainable future for our planet's biodiversity. We have conducted so many related programs from 2018 until now.

The context: There are many plants and animals present in and around us that are playing a vital role in maintaining the nutrient and hydrological cycles or providing various ecosystem services for maintaining the food chain. We are not aware of it or ignorant about their role in sustaining the ecosystem. It becomes important to see all the biological species as equals. More importantly, we need to know the biological resources around us in view of the increasing number of biopiracy cases happening around the globe. To create awareness about changing climatic conditions, TGT WRDC (W)LS and NZB took up this noble activity of distributing saplings to the public. The present generation needs to understand and take the responsibility of acting rightly at the right time because the environment is the need of the hour. The increasing temperatures made me think of this activity. The imbalance in the seasons, like either floods or excess rain, The reduction of the water table affects cultivation. In the wake of severe global warming, planting saplings is not only beneficial to the environment but also an investment for future generations.

The practice of fauna identification and analysis involves identifying a species of wildlife, wildlife part, or wildlife product based on its physical characteristics. With the help of advanced AI (an image gallery with artificial intelligence), different animals can be recognized and identified. Animals are automatically identified in images and highlighted

with a coloured frame. For example, species of smuggled birds (whether dead or alive) can be identified through their morphology. Species of sharks may be identified just by looking at the shape and colour of the fins alone, et cetera. All the students of the institution take this extracurricular activity as best practice. This practice of distributing saplings to the public is taken up by the department of botany. The faculty of botany explains to the student what types of saplings can be distributed and measures to be taken in carrying them to the public for distribution. As all the students come from an agricultural background, most of them are interested in plants, nurturing them, and giving precautions to the public when they are distributed. This type of practice helps the student be responsible for global climate change. The thought of encouraging others to be aware of the need to plant trees. Above all, they are nurtured to be environmentally responsible, care for the plants, and prevent the cutting of trees in their vicinity. Flora refers to the plant life occurring in a particular region, habitat, or period. The term is often used to describe the collective plant species within a specific area or environment. Flora can be categorised based on various factors such as geography, climate, and ecological niches.

Evidence of success in understanding biodiversity. It is crucial to have knowledge of different species and their living conditions. Biodiversity learning for students starts with observing plants and animals in the neighbourhood. Therefore, it is important to know the local countryside. The faculty, the NSS units, and the other departments also encourage the students to successfully carry out this instructional best practice. As they are also from an agricultural background, the students explain and motivate their family members and their kit and kin to carry out organic farming for the environment. Friends and families are also motivated towards organic farming. Protecting the environment has become the most important effort to be made. The students turn out to be environmentally responsible citizens.

Problems encountered and resources required The major challenges that wildlife faces include habitat destruction and fragmentation, climate change impacts, the threat of illegal wildlife trade and poaching, the introduction and spread of invasive species, and the detrimental effects of pollution. The importance of effective strategies to counter these challenges, such as habitat conservation and restoration, climate change mitigation, combating illegal wildlife trade, managing invasive species, and pollution control, Collecting the saplings is the main problem during the season. Most of the students are of poor financial status, and the effort to buy the number of saplings whenever required is difficult.

File Description	Document
Institutional Distinctiveness	View document