Avinashi Road, Arasur,
Coimbatore - 641 407
Tamil Nadu - India
Tel: 0422-263 5600
kpriet.ac.in

CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

7.2.1 Best Practices

Best Practices – I

1. **Title of the Practice**

Green Campus Initiatives for Maintaining Biodiversity at College Campus

2. **Objectives of the Practice**

To prevent the mismanagement, abuse, and destruction of biodiversity by increasing awareness of and respect for different kinds of species, ecosystems, and the interconnection of all living things.

3. **Context**

The extremes of the climate constitute a major barrier to the preservation of biodiversity. Habitat loss and extinction are results of climate change. Climate change cannot be stopped and is inevitable.

4. **Practice**

Biodiversity is frequently quantified as the number of species present in a given location, which could be a single tree, an ecosystem, a landscape, or a geographic area. However, there are various techniques to gauge biodiversity.

5. **Evidence of Success**

Ecosystem services like soil fertilisation, nutrient recycling, management of pests and diseases, erosion prevention, and crop and tree pollination are all made possible by biodiversity. The complete report gives the substantiation of the biodiversity research.

6. **Problems Encountered and Resources Required**

The main issues in the biodiversity study include habitat loss, pollution, overexploitation, invasive species, and climate change.

7.**Notes**

The institute continuously focusing on sustainable development goals (UN SDG) in all the activities. Biodiversity is the variety of animals, plants, fungi, and even microorganisms like bacteria that make up our natural world. Each of these species and organisms work together in ecosystems, like an intricate web, to maintain balance and support life. Biodiversity provides vital ecosystem functions such as soil fertilization, nutrient recycling, pest and disease regulation, erosion control and crop and tree pollination. Biodiversity ensures health and food security. It helps fight disease also benefits business. Provides livelihoods and protects us. Team Eco club from KPRIET conducted the visit, collected the data and prepared the report of the campus is as follows.

KPRIET CAMPUS BIODIVERSITY SURVEY 2021 – 22

S. No.	Species	Count
1	Trees and Other species	9803
2	Herbals	1992
3	Insects	50
4	Birds	37
5	Reptiles and Animals	21

Best Practices – II

1. **Title of the Practice**

Multidisplinary Approach for Innovation and Product Development

2. **Objectives of the Practice**

A persuasive method of coming up with unique ideas is to participate in an innovation challenge or competition. Students are asked to come up with concepts for developing fresh or better items or procedures based on frequent user input and updates.

3. **Context**

The proper brains are drawn to work on a clearly defined problem by an effective innovation challenge. A appropriate challenge question, brief, and evaluation criteria are three essential elements of a successful challenge design.

4. **Practice**

When a product or concept distinguishes out from the competition and genuinely makes customers' lives simpler, it is considered innovative. Innovative transformation is one that successfully transforms information and ideas into value, such as brand-new or better goods and services.

5. **Evidence of Success**

As a result, total of 9 projects were awarded a cash prize of worth 3 lakhs to the students. Out of the 9 noteworthy projects, 5 qualifying and dynamic projects were nominated for developing as start-up projects in the KPRIET incubation centre. The contest opened the threshold of creative and skill-based learning for the students to explore the world that are yet to discover.

6. **Problems Encountered and Resources Required**

Selecting the clear idea, Converting the ideas to product, Hardware required, Facilities for product display.

7.**Notes**

The innovative spirit of KPR Institute of Engineering and Technology sparkles with the creative calibre of the students showcased in the Innovsense 2021 (Pitching Event for Ideas Scouted & linkage with Innovation), an Intra- collegiate project contest. The two- day contest was organised from 8.10.2021 to 9.10.2021 at the college premises where a total of 47 projects were registered and 45 projects were exhibited for evaluation. The event was organised by the Centre for Innovation, Incubation and Entrepreneurship Development (CIIED) of KPRIET.

On 9.10.2021, the Chief Guest, Mr. Thirumoorthy Rangasamy, Director of Projects, Cognizant Technology Solutions, Coimbatore, reviewed the projects exhibited by students from interdisciplinary departments. During his Chief Guest address, he deliberated on the creative, communicative and cognizant skills to be enhanced by students of engineering colleges and congratulated the winners for their creative and innovative ideas. He also stressed on the vitality of innovation and illustrated its significance on future through real-time examples. During the Q&A session, the students clarified their queries related to advanced technological trends in the forthcoming years. The Principal of KPRIET, Dr. M. Akila presided over the function and Dr. A.M. Natarajan, Chief Executive felicitated the gathering.

The 47 exhibits were characterised under three heads namely Best idea, Best innovation and Best feasibility. The jury members for the contest were Mr. K. Illamurugan, CEO, La Choco Foods and Amusement System; Mr. S. Saravana Kumar, Sr. Manager Productions, V Guard Industries Ltd.; Mr. S. Akilan, Assistant Manager, Project and Finance, V – Guard Industries, Ltd.; Mr. S. Muthusaravanan, Associate Head, Training & Development, Roots Industries; Mr. G. Sivasankaran, Technical Specialist, HCL Technologies. A total of 9 projects were awarded a cash prize of worth 3 lakhs to the students. Out of the 9 noteworthy projects, 5 qualifying and dynamic projects were nominated for developing as start-up projects in the KPRIET incubation centre. The contest opened the threshold of creative and skill-based learning for the students to explore the world that are yet to discover.

KPR Institute of Engineering and Technology

Certificate

of Achievement

This is to certify that Dr/Mr/Ms KANMANI S of CIVIL is awarded the FIRST place in **Best Idea** for developing a product titled FLOOR CLEANING ROBOT on the occasion of **INNOVSENSE 2021** at KPR Institute of Engineering and Technology, Coimbatore on 09th October 2021.

PRINCIPAL