7.2.1 Institutional Values and Best Practices

Best Practice 1

1. **Title of the Practice: Connecting Gaps for Successful Engineer**

2. **Objectives of the practice**

   Indra Ganesan College of Engineering acknowledges the importance of a well-rounded education that goes beyond traditional classroom teaching implies a commitment to addressing various aspects of a student's development. This could include intellectual, emotional, and social dimensions, highlighting that education extends beyond academics.

3. **The Context**

   Through this best practice, we implement a series of programmes like "Shifting Gears", "Breaking the Shackles", "Mentor-Mentee Program" and "Industry Readiness" given to first year to final year ensuring a holistic education experience.

4. **The Practice**

   Shifting Gears

   This program likely focuses on helping students adapt to different phases or challenges they encounter during their academic journey. It could involve workshops, seminars, or activities aimed at facilitating transitions, whether it's moving from high school to college, changing majors, or adjusting to new academic or personal responsibilities.

   Breaking the Shackles

   This program address barriers or limitations that students face in their educational pursuits. It could include initiatives to promote inclusivity, diversity, and equity within the academic community, as well as workshops or discussions aimed at breaking down stereotypes, biases, or systemic obstacles that hinder students' progress.

   Mentor-Mentee Program

   This program pairs students with mentors who guide them through their academic and personal growth. Mentors provide support, advice, and encouragement

tailored to the mentee's needs, helping them navigate challenges, set goals, and make informed decisions about their education and future career paths.

Industry Readiness

This program focuses on preparing students for the transition from academia to the workforce. It could include workshops on resume writing, interview skills, networking opportunities, internship placements, and job search strategies. By equipping students with practical skills and resources, this program enhances their employability and career readiness.

5. **Evidence of Success**
   - Exposure of Individual Strengths
   - Practice of Positive Thinking
   - Knowledge and Exposure from External Events
   - Mutual Sharing if Subject Knowledge
   - Development of Leadership Capacity
   - Increased Employability

6. **Problems encountered and resources required**
   - Due to tight academic schedule, time management is difficult. Otherwise the regular studies may get affected.
   - Framing of Team members to bring expected output and training them becomes stringent.
   - More number of experienced faculty members for giving technical and skilled guidance is required from various specializations.

7.2.1 Institutional Values and Best Practices

Best Practice 2

1. **Title of the Practice: Engineer and the Society**
2. **Objective of the Practice**
   - Creating environmental and social awareness.
   - Conserving natural resources and promoting a clean and green environment.
   - Educating people about the hazards to the environment.
   - Enriching people with environmental sensitivity and social values.

> ➤ Formulating a baseline for future professionals to become socio-ecologically responsible individuals.

3. **The Context**

To address the challenges posed by human activities such as pollution, deforestation, and climate change, while instilling environmental and social values among individuals, the practice can focus on several key approaches like, Experiential Learning, Community Engagement, Policy Advocacy, Partnerships and Collaboration, Promotion of Sustainable Practices and Integration into Curriculum and Institutional Practices.

4. **The Practice**

Integration in Syllabus

The practice includes environmental and social topics in the university syllabus to ensure that every student is exposed to these critical issues.

Practical Learning

Apart from theoretical knowledge, the practice emphasizes hands-on learning experiences, such as field trips to environmentally sensitive areas, nature walks, and waste management workshops.

Awareness Campaigns

Regular awareness campaigns are organized to educate students and the localcommunity about environmental issues, sustainable practices, and social responsibilities.

Green Initiatives

The institution actively implements green initiatives like waste reduction, recycling, energy conservation, and promoting the use of renewable resources.

Community Engagement

Students are encouraged to participate in outreach programs, volunteer work, and community service to understand societal challenges and contribute positively.

Competitions and Events

Environmental and social-themed competitions, seminars, and events are organized to engage students and promote their creativity and problem-solving abilities.

5. **Evidence of Success**

➢ **Increased Environmental Awareness:** The assessments show a significant increase in environmental awareness among students and staff through experiential and participative learning.

➢ **Sustainable Campus:** The institution's efforts lead to a noticeable reduction in waste generation, energy consumption, and carbon footprint.

➢ **Positive Community Impact:** Community feedback and participation in various initiatives reflect the positive impact of the practice on local society.

➢ **Student Projects:** Students' projects and research papers on environmental and social issues gain recognition and awards at regional and national levels. It helps enhance competency through problem solving methodologies.

6. **Problems Encountered and Resources Required**

➢ **Resistance to Change:** Some students and staff may initially resist adopting sustainable practices and social responsibilities.

➢ **Funding and Resources:** Implementing environmental initiatives and conducting outreach programs may require additional funding and resources.

➢ **Continuous Efforts:** Sustaining the impact of the practice requires ongoing commitment and dedication from both students and the institution.

➢ **Stakeholder Engagement:** Involvement and cooperation from all stakeholders, including students, faculty, administration, and local communities, are essential.