7.2.1 Best Practices:

1. **Title of the Practice: Testing, Consultancy & Other Aspects**

2. **Objectives of the Practice:**

- To expose faculty and students to design and consultancy work
- To empower and encourage faculty to interact with the private industry and government organizations.
- To improve quality of education through exposure to field/ industry.
- To expose students to R&D activities.
- To develop laboratories beyond the curricular requirement.

3. **The Context:**

The Institute is located in rural area of backward Vidarbha Region. The area has no big industry or construction projects. The students and faculty therefore lacked exposure to industry/ field. This being private college government organizations were apprehensive. Special efforts were therefore required to improve interaction of the Institute with the industry and organizations.

4. **The Practices:**

The Institute encourages interaction of the faculty with the outside world. This is achieved through personal level interaction with the organizations and practicing engineers. The faculty is also encouraged to participate in the activities of professional bodies like IE(I), IWWA, ISTE, ICI etc. This keeps faculty in touch with the developments in the field and the requirements of industry. Efforts are made to equip laboratories with the best equipment, beyond the curricular requirements. This makes the Institute capable of providing quality services, and also exposes faculty and students to latest instruments and equipment. Financial incentives are used as empowerment and rewarding mechanism to encourage participation in R&D activities.

A third-party assessment, is an in-depth examination. This assessment looks to identify possible security risks. The Institute has done the work of third-party assessment of Jalyukta Shivar Abhiyan (JSA) under Unnat Maharashtra Abhiyan (UMA). The Institute is impanelled with UMA.

Engineering consultants may provide inclusive engineering services but there are consultants who are specialized in specific engineering areas for instance structural, geotechnical, and environmental. Generally, the necessity for engineering services is based on the nature of the project. Engineering services provided by consultant add value to the project and improve its quality.

5. Evidence of Success:

TESTING & CONSULTANCY AS ON Date- 16/09/2022

Sr. No.	Year	Geotech. Lab.	Trans. Lab.	C.T. & R.C.C. Lab.	Env. Lab.	SOM Lab.	Sur. Lab.	Consultancy	Total Rs.
1	2017-2018	1802982	147904	354644	3900	41394	0	84700	2435524
2	2018-2019	3964197	343076	1751048	7727	254814	0	326912	6647774
3	2019-2020	1913622	106574	304556	2587	408804	0	680733	3416876
4	2019-2020	**JSA WORK**						1,00,00,000	1,00,00,000
5	2020-2021	1098280	257607	1301211	21851	237396	0	565210	3481555
6	2021-2022	397114	95034	599412	6486	191450	0	450046	1739542
7	2022-2023								2068951

6. Problems Encountered and Resources Required

The government organizations have the conditions to carry out the testing & consultancy work from the government laboratories so there is lot of resistance in getting the related work. It is overcome by providing punctual & quick service.

Resources required are mainly the equipment's in working conditions. The Institute has policy to carry out such works without disturbing the academic assignments.

Photographs:

Plate load test

SPT test

Rebound Hammer test

CBR test