Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
DEEMED TO BE UNIVERSITY
University with Graded Autonomy Status
(An ISO 21001 : 2018 Certified Institution)
Periyar E.V.R. High Road, Maduravoyal, Chennai-95. Tamilnadu, India.

Best Practice

FACULTY OF ENGINEERING & TECHNOLOGY

FIRST YEAR (E&T)

1. Title of the Practice: EXCEL-2023 **EX**tended **C**lassroom with **E**xperiential **L**earning

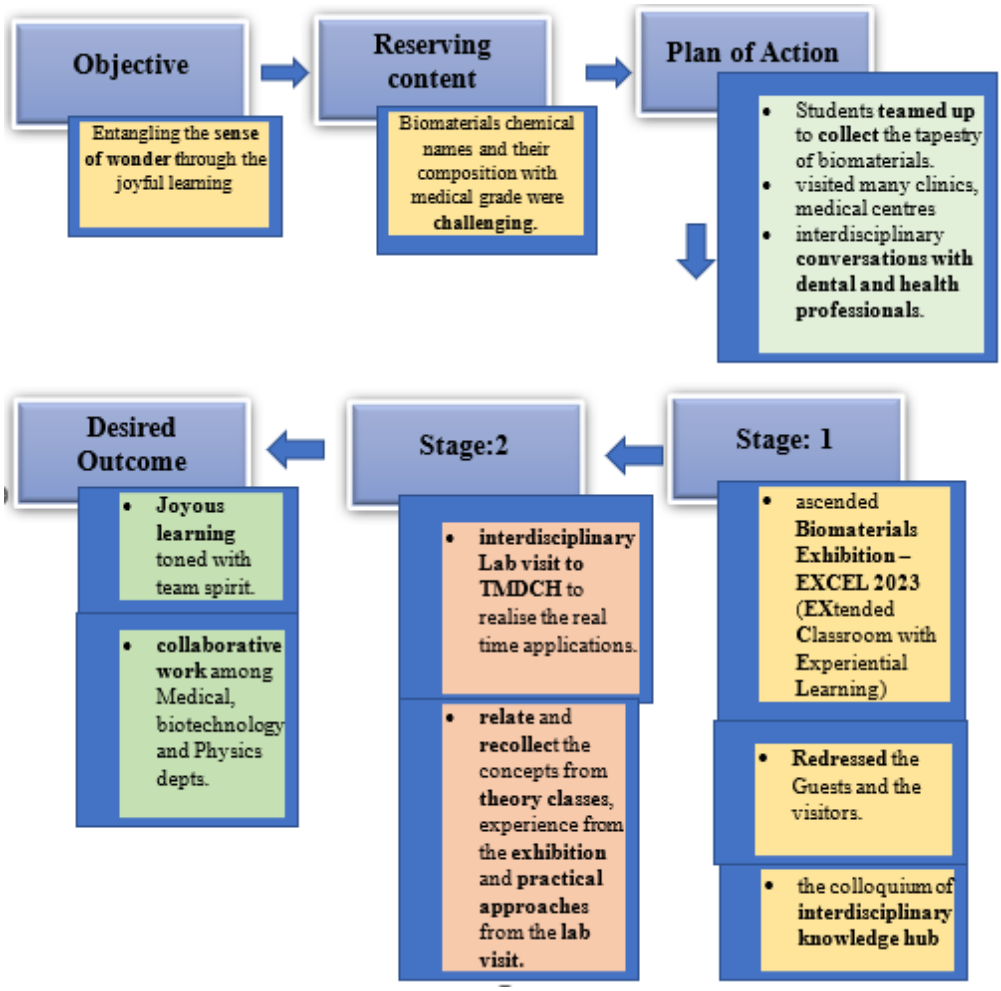
2. Goal of the Practice:

To promote an innovative approach to learning through extended classroom activities, enriched by an interdisciplinary visit to a Dental Laboratory. This initiative aimed to bridge theoretical knowledge with practical exposure, fostering a deeper understanding of concepts. Additionally, the hands-on experience encouraged collaborative and interdisciplinary learning among students.

3. The Context:

First-year E&T students (BME, BT) studying Biomaterials as part of their curriculum (2022 regulations) faced significant challenges in mastering the chemical names and compositions of biomaterials with medical-grade specifications. The complexity and volume of information made it particularly difficult for students to retain and recall these details effectively.

4) The Practice:



5) Evidence of success:

The practice facilitated a hands-on approach to learning through interactive classroom activities. Students were provided with opportunities to explore and initiate research ideas, fostering a meaningful connection between the fields of Engineering and Medicine. The materialistic display evoked the composition of biomaterials and their medical grade. The comic corner entrenching the glossary of biomaterials science sheered the nostalgia among the visitors. This voluminous effort by the students streaked applauds and appreciations from the teaching fraternity.


WELCOME TO
BIO MATERIALS
EXHIBITION 2K23
BT & BME

6. Problems encountered &resources required

Coordinating with students posed a significant challenge for the staff, while students struggled to organize the event due to the demands of managing their studies alongside regular classes. Additionally, limited time availability made accessing and utilizing resources a considerable constraint.

7.Contact details

Dr.B. Latha
Profesor in Physics
9444458148