

BEST PRACTICE 1

Title of the Practice: Research Opportunities for Undergraduate students

Objective of the Practice: The primary objective of this practice is to encourage and expose undergraduate students to research.

Context: Exposure to research work at the undergraduate level yield better understanding of research purpose and methodologies which pave the pathway for good research outcome. In this context, the institute has taken initiatives to provide the required platform for good research work. To provide in depth knowledge in learning and for smooth conduction of research works, initiatives need to be taken so that students gain avenue and exposure via research projects. Students are basically exposed to many of the problems which currently don't have any answers and are encouraged by our science institute to seek or solve the problem. This research programs also help the undergraduate students to explore their career prospects so that they could choose professionally in the fields of research with research advisors by providing them proper guidance.

Practice: To achieve this goal the faculty members of all departments has taken exclusive steps in guiding the students throughout their projects in order to improve students research knowledge -

- Classes are imparted
- Students are encouraged to actively participate in field-trips, industrial visits, educational tours and National conferences.
- Under the guidance of faculty member students are taught on using various digital platforms to access research articles and proper collection of data.
- Interactive sessions with other research scholars are conducted.
- Students are also encouraged for seminars, paper or poster presentation based on their projects in National and International platform.

Evidence of Success: Development of good research papers under the guidance of teachers and publication of those articles in reputed journals.

Problems encountered and resources required: For any undergraduate students and learners irrespective of any level of study who are the first time researchers, research itself in nature is a very challenging task. Since every research studies require in depth knowledge of subject matter with adequate planning of research projects, it becomes a challenging task for undergraduate students. Lack of proper scientific training among undergraduate students create challenges where they have to struggle putting their theoretical knowledge into practice. Poor communication and lack of proper guidance from supervisors also creates challenges among these students. Time managements, lack of quality literatures in institutional library, low confidence among students in handling presentations, lack of proper scientific repositories and many institute related problems discourage undergraduate students in perusing their careers in research oriented fields.

Outcome: Early exposure to research fields will help this undergraduate students to develop their skills in research related fields so that they can choose their career as Research associates in various institutional and industrial projects, as junior scientist in DBT, DST projects etc.

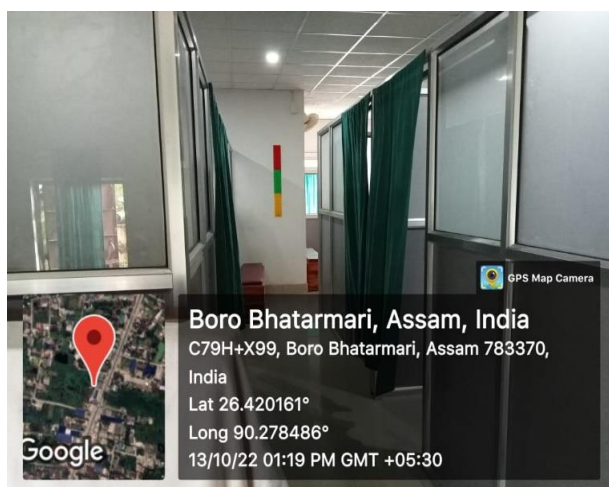
Best Practice 2

Title of the Practice: Service to community (Health is Wealth)

In every community, there is work to be done. In every nation, there are wounds to heal. In every heart there is the power to do it – Marianne Williamson.

Objective of the Practice: Communication skills, organized planning, teamwork, leadership behavior, task management with problem solving methods etc. are of utmost need in today's society. The main goal is to develop a sense of commitment in terms of humanity along with education among the students and help them to develop inner self, awareness, sense of belongingness so that they can develop a better connection with the outside world and also with the communities where they reside. This approach instills a sense of social responsibility in the students.

Practice: To achieve the above objective, Science College Kokrajhar, has started two independent Physiotherapy Clinic, in the main hub of the area, for the benefit and development of community along with surrounding area, specially to the masses belonging to Below Poverty Line (BPL). The Physiotherapy unit provides various services related to musculoskeletal, neurological, paediatric conditions as well as community based rehabilitation. Free consultation and health screening is also organized in the nearby rural areas to create awareness about various health issues and educating them about the potential preventions which could be adopted at early stages to avoid complications of the lifestyle diseases. The communities are taught and counselled to use various inexpensive local resources such as canes and crutches made of wood or bamboo, make shift stretchers Arrangements are also made so that as many as student volunteers can take part in the event so that they gain an exposure and learn about the feeling of gratitude in providing services to the poor and needy.



Evidence of Success: The local residents in the vicinity became more aware about the benefits of Physiotherapy. Increased influx of number of queries by the inquisitive public. Involvement of enthusiastic students in providing services.

Problems encountered and resources required: Lack of awareness among the general public regarding physiotherapy and its effect. Lack of positive mindset towards non-medicated treatment which inclines the patients to seek oral medications.

Outcome: Community awareness on health and wellness. Revenue collection. Engagement of student volunteers in community service programmes helps to develop a solid support system, which in turn help them to fight against stress and depressions while facing hurdles in life.