Best Practice -1

1. Title of the Practice:
> Nurturing students to do Projects in accordance with Sustainable Development Goals (SDG)

2. Objectives of the Practice

- To gain a better understanding on the SDG for the students
- To provide a better solution to attain the goals.
- To implement feasible solutions for social problems listed in SDG.
- To enhance quality in UG and PG projects in implementing SDG.
- Papers published in refereed International/ National journals and conferences will provide societal impact.
- To undertake collaborative projects and consultancy for long term interaction with the academia and industry in achieving SDG

3. The Context

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity. The Sustainable Development Goals are the blueprint to achieve a better and more promising future for all. They address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace, and justice. The UG and PG projects by students are aligned with the 17 Sustainable Development Goals which are namely Eliminate Poverty, Erase Hunger, Establish Good Health and Well Being, Provide Quality Education, Enforce Gender Equality, Improve Clean Water and Sanitation, Grow Affordable and Clean Energy, Create Decent Work and Economic Growth, Increase Industry, Innovation, and Infrastructure, Reduce Inequality, Mobilize Sustainable Cities and Communities, Influence Responsible Consumption and Production, Organize Climate Action, Develop Life Below Water, Advance Life on Land, Peace, Justice and Strong Institutions, Build Partnerships in achieving the goals.

4. The Practice

Every student project of the Institution will be mapped to the 17 Sustainable Development Goals. The student shall identify his area of interest and the problem statement aligned towards the SDG. Further the student has to provide the identifier and the specific target which exactly matches their problem statement. This will be checked by the Supervisor for project approval. In every project review the panel of experts will review the progress and the justification for the solution of the chosen SDG .Thus this practice helps to improve a better world and living standards. Also, the student gets educated about these goals and to attain fruitful development of the society. Every project is uniquely identified by assigning Project Id based on SDG. The various projects are based on Immunization, Malnourished children, Protection from disease and disability, cognitive development, clean water and sanitization, Affordable and environmentally friendly clean energy.

To promote SDG,

- Projects which benefit the people are appreciated and implemented in real-time.
- Providing Financial assistance for applying patent rights for further recognition
- Financial incentives like paying registration fee for publications in journals and conferences and TA/DA for presentation of technical papers in various International conferences.
- Providing high end computing facilities, with internet, Wi-Fi, and other facilities.

5. Evidence of Success

Owing to the hard work done by the students and members of faculty, the following achievements have taken place in the Organization

- Encompass an awareness among Students community about need of SDG
- All Projects are developed in alignment with SDG
- The number of student publications and Patents have increased
- Quality of student projects, both UG and PG, has been enhanced.

6.Problems Encountered and Resources Required

- Trying to inculcate the habit of developing project among students needs more sessions and awareness program
- Identifying experts from different fields to give exposure about various Research opportunities.

Best Practice -2

1. Title of the Practice
   Fostering revolutionary ideas and innovation with Ideathon.

2. Objectives of the Practice

   - To open up their inquisitive minds
   - To inculcate design thinking and innovative learning practices
   - To enhance communication and negotiations skills
   - To imbibe human values and professional ethics
   - To train with planning and execution skills

3. The Context

   As most of us would have heard, everything begins with an idea. Ideas revolve around us everywhere especially in the young minds. But most of the time we fail to bring out the ideas and present them to the world and the future generation. Platforms like Ideathon competition in our institutions make a great arena for the students to help themselves come out of their small cocoon and present their views and solutions on the problems faced by the world.

4. The Practice

   Our college has initiated a competition called the "IDEATHON" during their first year of study. This aims at bringing out the right potential of the students allowing them to open up their inquisitive minds. Most importantly this competition has helped the students to think a lot on the ongoing issues in the industry and come up with feasible solutions. Participants work in teams and use design thinking and innovative learning practices to ideate and collaborate on possible solutions. The benefits of participating in Ideathon are building up leadership qualities, teamwork, learning experience out of the classroom, being mentored by seniors and faculties etc.

5. Evidence of Success

   The Ideathon competition for the students resulted in the following   achievements in the organization

   - Ideas shall be converted into Projects
   - Patentable product count has been increased
   - Possibility for establishing Start-ups and Incubation centre by students

6. Problems Encountered and Resources Required

   - Identifying experts guidance from Industry
   - Financial Assistance
   - Government policy for establishing start-ups