



You Choose, We Do It
St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. Joseph's Group of Institutions

OMR, Chennai - 119



7.2.1. Two best practices successfully implemented by the Institution.

Best Practice 1: **GOOD HEALTH AND WELL BEING OF STAKEHOLDERS**

Objectives of the Practice

To provide adequate healthcare services to staffs and students and a comprehensive array of fitness facilities that cater to the diverse needs of the college community, thereby fostering physical wellness and overall health.

The Context

In response to the recent Covid pandemic as a precautionary measure the management has taken a pro active steps towards maintaining good health and well being of our students and staff members.

The Practice

Our medical centre is staffed with a dedicated team comprising a full-time medical officer, highly skilled staff nurses and attendants. Our medical centre boasts a comprehensive infrastructure with 10 beds, which ensures the availability of prompt and comprehensive medical care round the clock.

Our multi-faceted fitness program with gyms for the beginners and advanced users, equipped with latest training equipment and supervised by trained instructors who follow physiotherapist-prescribed exercises. A dedicated women's gym with a focus on weight loss, general fitness, and strength training.

Evidence of Success

Our dedicated continuous medical assistance creates healthy environment in academic community. Even during COVID pandemic only 4% of our students had infected and cured with nil mortality.

The impact of this initiative is evidently seen through number of sports achievers in 96 men & 49 women State level tournaments, 81 men & 48 women National level tournaments and 13 International level tournaments.

Problems Encountered and Resources Required

Our initiative in providing medical assistance had necessitated the availability of a medical team round the clock and continual monitoring of essential drugs inventory.

The success of our initiative towards improved physical fitness had encountered an initial slackness due to lack of interest and self-motivation among students and staff.

Best Practice 2:**CLEAN WATER AND SANITATION****Objectives of the Practice**

To ensure the provision of safe, pure, and readily accessible drinking water to the college community, promoting their health and overall well-being.

To reuse the wastewater for landscaping and plantation after proper recycling.

The Context

To emphasize water conservation and cost-effectiveness of drinking water and to safeguard the health and well-being of the college community by ensuring access to recycled water for landscaping and plantation thereby contributing to a healthier and more environmentally conscious campus environment.

The Practice

The project employs advanced purification of drinking water including Filtration, Ion Exchange, and Reverse Osmosis (RO), through two operational RO plants. These plants effectively reduce total dissolved solids (TDS) in the raw water to well below the internationally recognized upper limit of 100 ppm.

The college has implemented a sewage treatment plant with a daily capacity exceeding 2,00,000 litres, utilizing the Anaerobic Digestion Method. Anaerobic microorganisms are employed to stabilize organic matter, producing Methane and carbon dioxide.

Evidence of Success

Two reverse osmosis plant is under function with a capacity of 1500 liters each which caters the drinking water needs of the staff, students and all the population with in the campus.

Around 7500 members inside the institution are provided with sufficient toilet facilities. Sewage treatment plant employs a comprehensive and eco-friendly approach to wastewater management, effectively treating sewage and repurposing the treated water for beneficial purposes. Our institution has been awarded Over all Star value of 4.6 out of 5, based on Environmental green audit.

Problems Encountered and Resources Required

A dedicated team of technicians and employees had been employed for continual operation of RO plants and maintenance of drinking water quality.

A team of employees under the supervision of expert from civil engineering department had been employed for the operation and maintenance of Sewage Treatment Plant throughout the year.



Dr. VADDI SESHAGIRI RAO, M.E., M.B.A., Ph.D.
PRINCIPAL
St. JOSEPH'S COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION)
OLD MAMALLAPURAM ROAD, CHENNAI-600 119.