

Feasibility Report

From: Maryam Khalid, Student of CS Department

To: Mr. Zohaib Iqbal, Director of FAST NUCES University

Date: May 27, 2022

Subject: Feasibility Study for Creating Fitness Gym in University

Purpose of the Report

This report covers the feasibility of constructing and operating a custom gym in the National University of Computer and Emerging Sciences Islamabad Campus. After analyzing the feasibility of different plans for this, we will recommend the most cost-effective option.

Problem

According to your memo dated May 22, 2022, your campus needs a fitness gym for the following reasons:

- To provide a variety of workout programs we need Electric Gym Equipment.
- Students require physical relaxation in University which can be done by sports Equipment.
- Accounts have insufficient amount for this fitness gym Equipment.

Vendor Contacts

Our vendor contacts for Gym equipment are as follows:

A.R OWLUKH Sports

Imtiaz Mukhtar

ImtiazMukhtar@gmail.com

Fitness Star International

Danish Mirza

Danish.Mirza2@gmail.com

Aero Faster Impex

Mr. Syed Raza

SyedRaza@nu.edu.pk

Criteria for Vendors

The following criteria were considered to describe which equipment would best meet your department's need.

Maintenance Maintenance of GYM equipment companies should be checked whether the gym they have service technicians and replacement parts on hand in case something goes wrong.

Space Before Purchasing a Gym equipment, it is necessary to calculate how much space a piece of exercise equipment will take up before purchasing it. Multiple fitness machines jammed into a small space not only detracts from your gym's visual appeal, but it also makes it difficult for individuals to go on the equipment and exercise freely. The space can be used from University is 5445.01 square feet which is equal to 1kanal.

Gender Equality In fitness Gyms, there should be equal equipment for both of them because equality between men and women is a fundamental human right.

Warranty The warranty should be for at least one year with options for service technicians and parts replacement.

Cost The total budget for your budgeted for your department is 5 lakh rupees.

Needs Assessments

Our campus need a fitness equipment as it is a demand of every student. They have to be fit for studies. Half of the time of students spend in University and they want their fitness Gym facility in University. That's why there is a need of fitness Gym equipment.

Vendor Evaluation

- **A.R OWLUKH Sports:** They are wholesaler manufacturer & exporter of Leather racing and sports products since 1986. They promise a warranty of 2 years and giving high quality products which are also expensive. They also offer well experienced staff for services costing Rs4000. They have only non-Electric equipment available for females. For a Complete Gym equipment, they take a space of 5000 square feet. They offer 10% discount if you are purchase an equipment above cost 1 lakh rupees (Rs1,00,000).
- **Fitness Star International:** This Company offers is in business since 1968 and offering fitness and electric exercise equipment in manageable price as well as

fitness training classes and guide on healthy living. They promise a warranty of a year but they have their personal trainers and offer service managers cost Rs3000. They have all the Gym equipment for both males and females. Complete Gym equipment take a space of almost 6200 square feet for this Company fitness equipment. They don't have special discounts.

- **AeroFasterImpex:** Having been in business since 1944. Their heavy machinery for exercise are exported both domestically and internationally. Their machineries are of good exported material but in Normal range. The company provides the service, guarantee, and warranty of one year. Their service maintainers are available when needed at a cost Rs.5000. Their equipment's are only for males but do not have trainers for females. They will take a space of almost 5440.01 square feet for their overall Gym equipment. They offer a gift hamper if a customer purchase an equipment first time.

Cost Analysis

- **Electric Equipment:** Accounts payable requests ten Electrical Gym Equipment. Our analysis shows that the most affordable Electric equipment we can purchase would cost 50 to 60 thousand rupees. This means ten Electric Gym equipment would costs 5 to 6 lakh rupees. This will exceed your campus' budget.
- **Non-Electric Equipment:** Accounts payable requests ten Electrical Gym Equipment. Our analysis determined that the most affordable Non-Electric equipment meeting our needs would cost 10 to 15 thousand rupees. Thus the total

of required 12 to 15 Non-Electrical Gym Equipment would costs up to 2 lakh rupees. Again, combining this cost with ten Electrical Equipment, your budget will exceed.

- **Training:** Our analysis shows that we need a trainer who guide the fresher about Gym exercises. Training can be offered in whole timings of the Gym i.e., University timing (08:00am to 06:00pm). According to the manufacturer, effective training must include at least 5 hours of practice. This would cost Rs5000.

The following table compares three different vendors we observed on a scale of 1-3. 3 is representing the highest score.

Table 01. Criteria Comparison			
Criteria	A.R OWLUKH Sports	Fitness Star International	Aero Faster Impex
Maintenance	3	3	2
Space	3	2	3
Gender Equality	1	3	2
Warranty	3	3	3
Cost	2	3	3
Total	12	14	13

Summary of Findings

Based on the analysis and comparison of all three Vendors, I have come to know that all three Vendors have the Equipment you need in Your University. However, A.R OWLUKH Sports and Aero Faster Impex do not meet the criteria. Specifically, these Companies do not provide either the equipment or trainers for both males and females, pricing required or maintenance cost.

Recommended Action

Considering the combination of Maintenance, Space, Gender Equality, Warranty and Cost, Fitness Star International is our best choice. I suggest that:

- 8 Electrical Equipment should be purchased instead of 10.
- 10 Non-Electrical Equipment should be purchased instead of 12 to 15.