

**P.E.S**

**Modern College of Arts Science and Commerce,**

**(Business Administration Campus)**

**Shivaji nagar Pune-411005**

**PROJECT SYNOPSYS**

**Project Topic:- “Fitness Center and products order system”**

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**Project Guide:- Prof.Shridevi Pawar**

**Existing System**

* The present system is able to make the searching process easier and storing data in a more secure way as it uses centralised database.
* In the Existing System maintain register to record fitness product details.
* In the existing system every member takes admission first their checkup details done by doctor with their medical history and according to that we are providing diet and exercise details to the member. all these details save into files and maintain files for every member
* The current system manually keeps all data related to Members, fitness products, Profile, Package, Enquiry, Employee & Salary details, Routine, Diet, Fees and Fees Receipt details etc that are required in exchange routine transactions
* The system provides automated fees and fees receipt entry process of members and also communication with entities like Trainer, Dieticians,Doctor etc.all these details are saved into a register or files.

**Limitation of Existing System**

* Searching for a particular record gets time consuming.
* Too much documentation work is needed in order to maintain records.
* Time limits for member’s interactions with the administration.
* Member’s complaint registration and services gets time consuming.
* Less secured as data is not authorized.
* It is difficult to maintain data and salary of employees and handle expenditure.

**Proposed System**

* The proposed system is highly secured because it provides verification for accessing system to avoid unauthorized access
* Provide proper enquiry and registration of members according to their packages.
* This system will specifically focus on the member's health progress as per their routine physique check-ups so as to show the necessary change to be made to change in routine and diets.
* This system will have a centralized database.
* Maintains member information as per the required area of interest of the member (Yoga, Gym, Aerobics, etc).
* Maintains employee registration and their salary details.

**Forms**

The project is basically proposed to computerize the existing system so as to gain accuracy, processing speed, data consistency, and data integrity. Software for complete management of gym, aerobic, health and other sport clubs. This all-in-one solution helps to track the work in a fitness center: track member visits, sales, create various fitness packages and services, track employee work time, and make scheduling. The proposed system mainly covers the following points:

* **Master Maintenance:**

Under this module the system maintains all the details of operations, processes and transactions. It also maintains members, packages, progress, employees, supplier and equipment details.

* **Enquiry Process:**

Under this module the system maintains enquiry details of the customers who want to become members of the center with their area of interest.

* **Registration Process:**

This module adds new member details. It also records employee details along with manager details.

* **Supplier Form:**

This process maintains all Supplier details of suppliers along with their name ,address like etc.

* **Purchase Form:**

This process maintains all Supplier purchase details of product fitness details and also raw material details.

* **Fitness Product Form:**

This process maintains all fitness product details of company dosage and uses etc.

* **Sales Form:**

This form is used to maintain all the details of the products sales order placed by customers.

* **Bill Form:**

This form is used to maintain all the details of the bill generated by the system with order confirmation

* **Check up form:**

This form is used to save all the details of the checkup of member details like medical history and current check up status details to provide fitness products and diet details.

* **Diet Form:**

This Form will provide the information details about the diet as per member package plan.

* **Exercise details:**

This form is used to save all the details of the exercise of member details as per given by trainer and dietician.

* **Doctor Details:**

This form is used to maintain doctor details like their profession and experience with their skills with all the details.

* **Scheduling details:**

This module will provide the details of the batches of the members according to the packages chosen and also the schedule of work time of employees.

* **Outsourcing details:**

This module gives information about the daily or monthly expenses of outsourcing various services like cleaning and maintenance of gyms provided with healthcare doctors advisors.

* **Progress details:**

This module will provide the details about the member’s progress after a period of time.

* **Charges details:**

This module gives details about the charges that are applied for different packages or services.

* **Equipment management Process:**

This process maintains all equipment details of suppliers along with their various types.

* **Stock updation process:**

This process includes all details of stock available along with its maintenance details.

* **Purchase Order Form** :

This form provides information about purchase order of fitness product supply by supplier.

* **Supplier payment** :

This form provides information about payment given to suppliers against their purchase order.

* **Feedback Process:**

This module provides the information about the feedback from the members for the services provided.

* **Report Generation:**

This module will give required information of documentation. And also, will help to make any modification, improvement where required by generating monthly/yearly reports.

**FUTURE ENHANCEMENTS**

* System can be converted for online transaction
* System can be provided with a backup facility for deleted transactions.
* SMS and Email notification generated for registration and fees payment

**HARDWARE & SOFTWARE REQUIREMENT**

* **HARDWARE PLATFORM**
* MICROPROCESSOR : PENTIUM IV AND ABOVE
* RAM :512 MB AND ABOVE
* HDD : 80 GB AND ABOVE
* **SOFTWARE PLATFORM**
* FRONTEND : Java - swing
* BACKEND : SQL 5 or above
* OPERATING SYSTEM : WINDOWS XP/VISTA/2003