

## **E-Monitoring For Women**

### **OBJECTIVE:**

Developing an online mentoring system to promote more women to splurge into the field of Science and technology breaking the myths and taboo's society imposes. Also, to give them a platform to be on power with a working women.

### **Proposed System**

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach. User Friendliness is provided in the application with various controls provided by system Rich User Interface. The system makes the overall project management much easier and flexible. It can be accessed over the Intranet. The user information files can be stored in centralized database which can be maintained by the system. This can give the good security for user information because data is not in client machine. Authentication is provided for this application only registered members can access. Members can share is data to others, and also he can get data from others. There is no risk of data management at any level while the project development is under process. Report generation features is provided using crystal reports to generate different kind of reports. This system provides clear forms for students, mentors as well as NGO's. The system should be create profiles of both registered students and mentors, this will cause give results of best suited mentor for each student based on the profile.

### **Scope**

This Document plays a vital role in the development life cycle (SDLC) and it describes the complete requirement of the system. It is meant for use by the developers and will be the basic during testing phase. Any changes made to the requirements in the future will have to go through formal change approval process.

### **Purpose**

The main purpose for preparing this document is to give a general insight into the analysis and requirements of the existing system or situation and for determining the operating characteristics of the system.

## **BACKGROUND:**

The status of women in India has been subject to many great changes over the past few millennia. From a largely unknown status in ancient times through the low points of the medieval period, to the promotion of equal rights by many reformers, the history of women in India has been eventful.

The term women's rights refer to freedom and entitlements of women and girls of all age. These rights may or may not be institutionalized, ignored or suppressed by law, local custom, and behavior in a particular society.

These liberties are grouped together and differentiated from broader notions of human rights because they often differ from the freedoms inherently possessed by or recognized for men and boys and because activists for this issue claim an inherent historical and traditional bias against the exercise of rights by women and girls.

### **Existing System**

The present system is semi-automated system. Maintaining critical information in the files and manuals is full of risk and a tedious process. The existing system needs to save his information in the form of excel sheets or Disk Drives. The system gives us very less security for saving data; some data may be lost due to mismanagement.

The Current system is semi automated system or manual system. The existing system is a manual system. Here the user's needs to save his information in the form of excel sheets or Disk Drives. There is no sharing is possible if the data is in the form of paper or Disk drives. The manual system gives us very less security for saving data; some data may be lost due to mismanagement. It's a limited system and fewer users friendly. Searching of particular information is very critical it takes lot of time. There is no Email and chat facilities are implemented. The system doesn't have the facility of 24 X 7. There is no interface provided to show success stories of women in various fields. Profile management using this manual system is a tedious job. Creating Forms for students, mentors and NGO's is not possible. Providing various tests and tutorials to be accessed by the mentor for making it available to the student is a critical one. There is no possibility to sending regular news letter should be sent to various universities to make them aware of the e-monitoring system. If a student wants to send progress report to the mentors, then the student need to prepare it manually on the paper.

### **Reports**

Different kind of reports is generated by the system.

- Student wise reports for each mentor for various tests.
- Collective report of all students under a mentor.
- Tutorial utilization reports.

### **Future Enhancement**

Every application has its own merits and demerits. The project has covered almost all the requirements. Further requirements and improvements can easily be done since the coding is mainly structured or modular in nature.

- We improve its GUI part more.
- We have to improve its efficiency by increasing its speed.

### **FUNCTIONAL REQUIREMENT:**

The system after careful analysis has been identified to be presented with the following modules:

The Modules involved are:

1. Students
2. Working Women (Mentor)
3. Data Manager
4. Master Mentor (Advisor)
5. NGO's
6. Web Registration
7. Search
8. Reports
9. Authentication

### **Students**

A profile should be maintained for each and every registered student. Profile matching should give results of best suited mentor for each student based on the profile. An interface is created like a form for the student to interact with the mentors and NGO's.

Student can take up emotional quotient tests and various other tests which help the student to realize her in built talent for various fields. The system provides to the students various tutorials and tests to be accessed by the mentor, who would make it available to the student. Student has a responsibility to send his progress should be sent to the respective mentor.

### **Working Women (Mentor)**

A wise and trusted counselor or teacher is called a mentor. To serve as a trusted counselor or teacher to another person. Universities that provide mentoring programs assign a veteran faculty to act as adviser, faculty, and coach to beginning faculty within their universities. Some have defined mentoring as "a formalized relationship between a beginning teacher and a master teacher (mentor) that provides support and assesses teaching skills".

A mentor aims to teach by example, helping the women's to achieve a task that they have recently been trained to do, but with which they lack experience. Sometimes a mentor leads by example, demonstrating his skills in a practical manner by performing real work as the women observe and learn. Sometimes he acts as a partner: asking questions of the women's, helping where needed and building confidence. On other occasions he acts as a coach, encouraging client staff to improve their performance, but intervening only when needed.

### **Data Manager**

In this system Data Manager is tread as an administrator. He can have all the privileges in this system, like he can register students, mentors, NGO's in this system. He can insert necessary data into the system using his administrative user interface.

### **Master Mentor (Adviser)**

Mentor could suggest certain students who according to them require assistance in non-technical matters to members of the registered NGO's thus enabling a private communication between the student and the NGO.

This could also be a platform for conducting various e-conferences on gender quality and related issues. The participation of NGO working towards the cause of empowerment would be a great positive. A regular news letter should be sent to various universities to make them aware of the e-monitoring system.

### **Web Registration**

The system has a process of registration. Every citizen need to submit his complete details in the form of registration. Whenever a user registration completed automatically user can get a user id and password. By using that user id and password member can log into the system. If registration process is completed successfully an email remainder is generated and sends to the citizen.

### **NON-FUNCTIONAL REQUIREMENT:**

**Scalability** - The system can be scalable from small to a large business.

**Availability:** Availability measures the amount of time that a server is running and available to respond to users. Like reliability, you have to set target for this.

**Reliability:** Reliability is measured as the average amount of time between failures or the probability of a failure in a given period. It is a good idea to set strong but realistic targets for this.

**Security requirement** - The system should take care of all required security of data and intellectual property of the organization etc.

**Economical** – No addition hardware and softer infrastructure is needed. Since the operations are simple and easy to handle no special training is needed. The system finally provides an extensive customer support package.