**Introduction**

Arba Minch University is a non-profit public higher-education institution located in the suburban setting of the small city of Arba Minch. The institution is one of the famous institutions in Ethiopia by serving the communities in different areas. Currently, the institution is able to have Excellency in different areas. The institution use Clearance to facilitate the security of its own student and the organization. This system is carried out manually at this time, however it has some drawbacks. For instance, let say student is getting to have clearance in the case of graduation. He/she must go for every office to have clearance. This may cost much time and energy. To handle these kind of time-consuming tasks, we are going to develop the automated system in order to advance the service and to satisfy the institution and the concerned body. This system is a web based system which helps the institution to track the clearance online. This may help to store various information of the institution in secured way.

**Background**

Arba Minch University is located in Arba Minch town which is located 505 km South West from Addis Ababa, the capital of Ethiopia. It’s nestled at the foot of [Gamo Mountain](http://en.wikipedia.org/w/index.php?title=Gamo_mountains&action=edit&redlink=1" \o "Gamo mountains (page does not exist)) ranges facing huge Abaya and Chamo Lakes in idyllic surroundings forms the part of [East African Rift](http://en.wikipedia.org/wiki/East_African_Rift" \o "East African Rift) Valley.

The university was established initially as Arba Minch Water Technology Institute (AWTI) in 1986 to address water-related issues. Then, AWTI used to offer short & long-term trainings, conducting research and rendering consultancy services in water sector.

In September 1997, AWTI was restructured as Arba Minch Technology Institute (AMiT) and three new departments were formed i.e. Civil, Electrical and Mechanical Engineering.

In 2001, Meteorology Department was established to provide diploma and post-graduate degrees. In 2002, AMiT had launched Post-Graduate programs in Hydraulics & Hydropower and Irrigation Engineering. Subsequently, Computer Science and Information Technology & Architecture were added.

At present, AMU has two institutes i.e. Institute of Water Technology and Institute of Technology; six colleges are College of Business & Economics, College of Social Sciences & Humanities, College of Natural and Computational Sciences, College of Agricultural Sciences, College of Medicine & Health Sciences and College of Continuing & Distance Education; and four schools i.e. School of Law, School of Pedagogical and Behavioral Sciences, School of Medicine and School of Post-Graduate Studies; AMU also has Sports Academy.

**Statement of the problem**

* There is no way to get clearance form in one office.
* Most of the activities are time consuming and stressful.

Absence of some staff

* officers who sign Clearance form which leads to students repeatedly visiting a particular office in order to sign his/her clearance form.
* Students travelling one office to the other and queuing in line to sign clearance form.
* When the Clearance form is lost it causes delaying of readmission date.
* Data redundancy &loss of data.
* Unauthorized body may sign Clearance form.
* Data recording system is not centralized or not in the modern system which is difficult.
* It takes more space because the data is stored in the form of written document.
* If the student is not clarified one of all work station or if the student is punished .The student can clarify themselves by corruption.
* after the student finishes the clearance the student return the student clearance form to register after time being then the register worker adjust the clearance with The student file and sends to college .In this method there are problem of searching.
* If the students want to clarify in the purpose of withdrawal due to health problem. The system does not give immediate response for a student.

## Objectives

### General objective

The general objective of this project is to develop a web based clearance system and to implement the proposed system for AMU students.

### Specific Objectives

The specific objective of this project includes:-

* Check students from the data base.
* Fast data processing.
* To avoid the problems and stress of travelling and crowding up of student during clearance
* Designing friendly user interface.
* To develop reliable clearance system.
* To provide border-less access.
* To avoid redundancy, and inconsistency.
* To keep personal feelings and interest.
* To serve as reference materials to other researchers.
* To study the existing system and get solution for it.

## Methodology

There are different methods of data collection. Among them we should use interview and questionnaire methods of data collections.

* **Observation**: this data is collected from students are facing problems when they are clearance. This type of data is mainly collected from us means members of the group.
* **Interview:** It’s a fact finding technique whereby we should use to collect further information from employees through face-to-face interaction. This method will help us to get clear, timely, and verified information in greater depth. However interviewing employees was time consuming, and it depends on the will of employees.
* **Document analysis:** we have used document analysis data gathering method to collect the documented information about job registration in Arba minch University.