# 1.0. Introduction

## 1.1. Purpose

The purpose of the Software Requirements Specifications (SRS) is to present in an organized and clear way the requirements of the system (AE). It will explain the purpose of the system called Astra-Enroller, its interface and how it works in conjunction with other systems. Included in this document are the features and a explanation of what it is going to do and not, like for example our system won’t be able to be access for any students if they don’t have Internet. The SRS is directed to clients, any person with an interest in the software; users, a student from the PUPR who will use this software; and the developers of the system, does responsible in created, designing maintenance and making updates to the system, Astrapi.

## 1.2. Scope of Project

The name of our enrollment system is Astra-Enroller. This system will be capable of the enroll students with far more ease, speed and precision than the current system on the Polytechnic University of Puerto Rico, known as MyPoly. Astra Enroller will offer great benefits versus the current system, for its various target users (students of the Polytechnic University of Puerto Rico) such as the following:

* Faster and more organized enrollment options for the students
* Showing them the courses they may enroll into
* Showing them the taken courses with low grades, from C to F including withdraws.
* Showing them the course description
* Showing them the special topic courses.

These previous benefits would reduce the need of the students to settle their course enrollment process on the campus. Also our software will facilitate the enrollment process so the enrolling students will have all the information needed to enroll on our software. Simply put, our main goal is to simplify and accelerate the enrollment process for the students, that being said we have future goals that could be added to Astra Enroller such as:

* Grant professors access to Astra Enroller this includes:
  + The ability to add final grades online.
  + Generate a role book for each course and section.
* Financial Services Improvement:
  + The option to chose parking.
  + Facilitate the payment options.
* Validate Health Care plan online.

## 1.3. Definitions, acronyms and abbreviations

*1.3.1 Definitions*

|  |  |
| --- | --- |
| Term | Definition |
| Database | Collection of all the information monitored by this system. |
| Student | A student of the Polytechnic University of Puerto Rico. |
| Software Requirements Specification | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| Client | Any person with an interest in the project who is not a developer. |
| User | A student of the Polytechnic University of Puerto Rico or a Admin. |
| Astrapi | Greek for the combination of lightning and pi |
| Astra | Lightning in Greek. |
| pi | Represent the Greek letter and also known as a mathematical constant whose value is the ratio of any Euclidean plane circle's circumference to its diameter. |
| Astra-Enroller | The name of the software to be developed. |
| Web-Page | A document on the World Wide Web or simply put on the Internet. |
| Our | This will be directed to Astrapi Technology team working on the Astra-Enroller Software. |
| Query | A form of questioning, in this case language a DBMS can understand of which we can ask for certain data and it will return the answer/results. |
| Administrator | In this case a user who is allowed access to delicate information. Usually is a user who can give maintenance to a system and even update/modify it. Most likely to be a member of Astrapi Technology. |
| We | This will be directed to Astrapi Technology team working on the Astra-Enroller Software. |

## 1.3.2 Acronyms

|  |  |
| --- | --- |
| Term | Acronym |
| Polytechnic University of Puerto Rico. | PUPR |
| Software Requirements Specification. | SRS |
| Database Management System. | DBMS |
| Astra-Enroller. | AE |
| Astra-Enroller Server. | AES |
| Uniform Resource Locator. | URL |
| Application Programming Interface. | API |
| Entity-Relationship Diagram. | ERD |
| Operating System. | OS |
| Hypertext Transfer Protocol Secure. | HTTPS |
| Transport Layer Security. | TLS |
| Secure Sockets Layer. | SSL |
| Transmission Control Protocol. | TCP |
| Internet Protocol. | IP |
| Administrator. | Admin |

1.3.3 Abbreviations

|  |  |
| --- | --- |
| Term | Abbreviation |
| “And so on” or “et cetera” | etc. |
|  |  |

## 1.4. References

* IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.
* [christopher.jones](http://wiki.oracle.com/account/christopher.jones). “*PHP Oracle FAQ”.* Oracle Wiki.April 17, 2011. <http://wiki.oracle.com/page/PHP+Oracle+FAQ>.
* No General Author. “PHP”. Wikipedia. April 17, 2011.

<http://en.wikipedia.org/wiki/PHP>.

***1.5. Overview of Document***

The following chapter of this document is the Overall Description. This section describes what the software can do or cannot do. The Requirements Specification section describes the software’s requirements in an informal and simple matter, with the product perspective, functions, user characteristics etc. This section is then used as the guide to implement technical and more complex requirements at the requirements specification section. The intended audience for the Overall Description of the SRS document is the client. The next chapter talks about the requirements specification section. It contains the description of the software’s requirements and functionality in a much more technical and robustly detailed manner intended for the developers or experts on the field.