

Introduction

The core purpose of IT has always been to create solutions that enhance comfort and efficiency. While automation is now standard, the real challenge lies in delivering intelligent, user-friendly systems that ensure seamless performance and a better user experience.

Internships are an important step in students' academic and professional paths, yet many institutions and companies still face challenges in managing them properly. The lack of smart and dedicated platforms causes slow application processing, poor communication, and difficulty in matching students with the right opportunities.

Most existing solutions are either manual or rely on generic job portals that do not address the specific needs of academic institutions, students, companies, and faculty members. This gap highlights the need for an intelligent internship management platform that automates essential tasks, improves communication, and makes the process easier and more transparent for all stakeholders.

Analysis of the existing system

Plateform	Advantages	Disadvantages
	<ul style="list-style-type: none"> - Specific to ESPRIT University. - Targeted internship offers for university students. 	<ul style="list-style-type: none"> - Internships are not filtered. - No recommendations or sorting of offers. - External companies cannot post internship offers.
	<ul style="list-style-type: none"> - Simple and accessible interface. 	<ul style="list-style-type: none"> - Lacks intelligent CV filtering features. - Low automation in managing applications.
	<ul style="list-style-type: none"> - Easy-to-use interface. - Variety of sectors. 	<ul style="list-style-type: none"> - Primarily focused on job offers. - Lack of internship offers for students.
	<ul style="list-style-type: none"> - Advanced search tools and job recommendations. 	<ul style="list-style-type: none"> - Lack of customization for students or universities. - Slow responses for some applications.
	<ul style="list-style-type: none"> - Features to apply directly from the platform. 	<p>Some features are limited without a paid subscription.</p>

Functional Needs

Table	Functional Needs
User (Students, Companies, Tutto, Administrators)	<ul style="list-style-type: none"> - Creation and management of user accounts (registration, authentication) - Role management (student, company, supervisor, admin) - Profile updates (CV, skills, contact information) - Viewing company and Tutto information
Internship Offer	<ul style="list-style-type: none"> - Creation and management of internship offers by companies - Viewing available offers - Advanced filtering and search of offers (field, company, duration, etc.) - Recommendation system for offers based on the student's profile
Submission	<ul style="list-style-type: none"> - Submission of applications by students - Tracking application status (pending, accepted, rejected) - Management of applications by companies (approval, rejection) - Notification of students upon response
Internship	<ul style="list-style-type: none"> - Assignment of students to internships - Tracking internship progress (reports, feedback) - Final validation of the internship by the supervisor - Internship evaluation by students and companies
Complaint	<ul style="list-style-type: none"> - Submission of complaints by students or companies - Processing and tracking of complaints by the administration - Management of complaint statuses (pending, in progress, resolved)
Response	<ul style="list-style-type: none"> - Responses to complaints by the administration

	<ul style="list-style-type: none">- Monitoring the status of complaints
Blogs	<ul style="list-style-type: none">- Creation and publication of articles by students, supervisors, and companies- Viewing blog articles- Adding comments and interactions (likes, shares)- Content moderation by the administration

