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**Ministry of Higher Education and Scientific Research and Computing and Communication Technologies**

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**General Directorate of Technological Studies**

**Higher Institute of Technological Studies of Bizerte**

**IT technology department**

**INTEGRATION PROJECT REPORT**

**Topic:**

**Development of a web and mobile event management application**

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# Chapter 1: Preliminary study

## **Introduction**

In this chapter we will explain the operating principles of our application and propose solutions for the problems found. Since the design of a computer system is a very important step that will influence the quality and reliability of any application.

## **1.1. Description of the existing**

While discussing between them we noticed that there are problems at the level of management of the events in our institute especially the events of the clubs.

Those problems will affect on mediating events in order to obstruct them.

## **1.2. Reviews of the existing**

The institute page is a globally administrative page so publish these events in which it is not possible to ensure that they will be seen by the students.

In each event the administration does not manage to know the exact number of students who will participate and their data (Name, First name, CIN…).

An increase in the consumption of paper used to make event posters that will be destroyed later.

## **1.3. Suggested solutions**

The team members and I decided to develop an application that contains a mobile and web version to facilitate the management of events in our institute. This project has a user part (the student) who must create an account to participate in any event and know all their details. And another administrative part in which the administration will manage the events and see the list of participants and the approved ones

This application must be developed using the following technologies:

* HTML5
* CSS3
* BOOTSTRAP
* NodeJS / Spring Boot
* Angular
* Flutter