COVID-19 has caused a large impact across society, in some countries more than others, generating some changes in our daily living activities; it also has motivated changes in laws and regulations that impact governmental and private institutions. One of these institutions is Universidad de los Andes (Uniandes), a private Colombian university, which by law, had to implement mechanisms to daily report COVID-19 symptoms of those who attend the university campus. In order to provide a solution to that requirement, more than 30 volunteers from different disciplines have joined forces to help the community, by designing a digital system (SeneCare) that has become a key tool to the epidemiological surveillance system. Since its release in October 2020, SeneCare has helped the Uniandes community to make informed decisions around the COVID-19 sanitary emergency.

**Objectives**

- Give timely assistance and recommendations
- Provide a tool for personal use to register relevant information about health and mobility
- Assist Uniandes to make informed decisions

**Components**

- Apps
- Backend + DB
- Web module

**Stats**

- **SeneCare Release**
  - Max: 1287 Symptoms reports
  - Total: +88K Symptoms reports
  - Avg: 455 Symptoms reports per day
  - Total: +50K Mobility reports

---

**Design decisions**

- Security + Laws + HTTPS
- Truthful information
- User experience
  - Physicians ➔ Prototype ➔ SE ➔ Designers

---

**Multidisciplinary team**

- Students
- Faculty
- Alumni
- SE
- Law
- Design
- Medicine

---

**Authors**

Anamaria Mojica-Hanke\(^1\), Mario Linares-Vásquez\(^1\), Catherine Jaller, Germán Otalora-González\(^1\), Adriana Beltrán-Ostos\(^2\)

\(^1\)Universidad de los Andes, Colombia; \(^2\)Central Military Hospital, Colombia

{ai.mojica10, m.linaresv, c.jaller20, geotalor}@uniandes.edu.co, abeltraninvestigaciones@gmail.co