AIS

ARTIFICIAL INTELLIGENCE, INNOVATION & SOCIETY

FRAMEWORK for Online & Collaborative Learning

R3.1

Framework's Objective

To have a comprehensive roadmap in order to run a successful implementation of the AIIS learning programme

BASIC STEPS:

01

Students' Profiles

02

Recruitment Strategies

03

Online Follow-up

04

Innovative Teaching Methods

05

Team Formation

06

Collaborative Work Monitoring

01 Students' Profiles

The Desired Students Profile was build based on a surevy.
Here are the results and the profile:

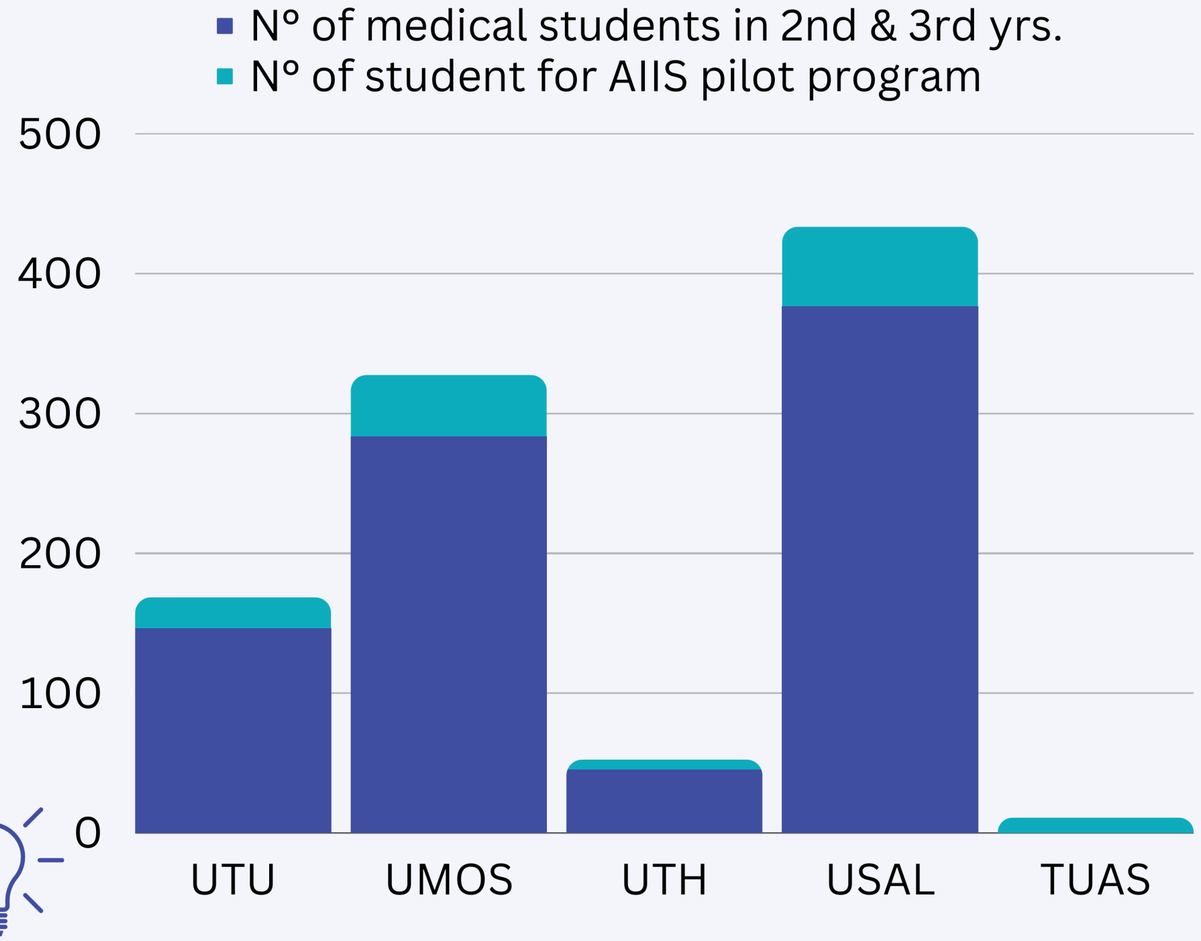
01 Enrollment is preferred for **3rd-year medical students**, but it is not limited to that. Suggested by **67%**

02 **No prerequisite study level** or successful previous credits are required. Suggested by **100%**

03 **Students with an English level of independent user** (B1/B2) are preferred, but no test is required to verify this. Suggested by 88%

02 Recruitment Strategies

Enrollment Goals & Process



To ensure the successful achievement of our initial goal of registering **100 students**, with 10 of them being engineering students,

02 Recruitment Strategies

Registration Process & Timeline

- **Duration of Registration** 1 month approximately (from 19th of September 2022 until 14th of October 2022)
- **Registration tool:** Google form
- **GDPR Compliant:** We made sure we had an updated privacy policy, GDPR and media documents.

This form was streamlining the process of gathering students' data while ensuring compliance with privacy regulations.

Launching materials was developed for student enrollment (graphics, introduction emails, social media posts, etc).

03 Online Follow-up

Online Follow-up & Support for Students

We took specific measures to Follow-up & Support the students enrolled in the pilot, because:

- In the digital age, online follow-up is crucial for student engagement and success.
- Benefits of online follow-up: personalized support, accountability, self-discipline, and time management.
- It fosters strong teacher-student relationships and a sense of community.

03 Online Follow-up

Measures for Online Follow-up & Support

Weekly Tutor Meetings

Nominated tutors for individualized support and progress tracking.

AIIS collaborative learning interface Progress Tracking

Monitoring student achievements and engagement.

Direct Email Communication

Personalized messages to acknowledge accomplishments and offer support.

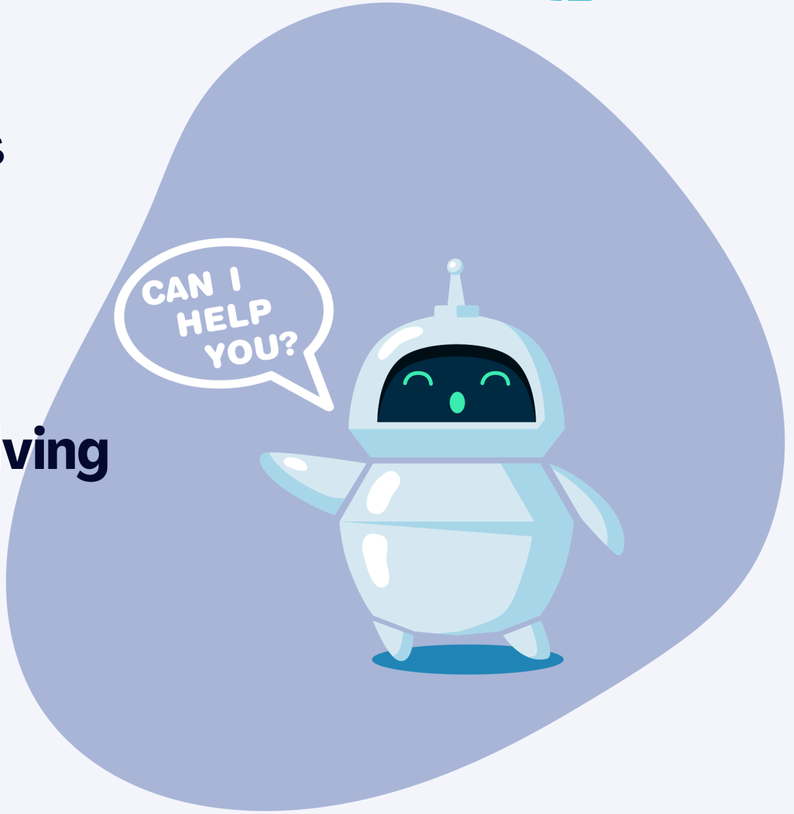
Technical Issue Resolution

Efficient process to address technical challenges.

04

Innovative Teaching Methods

- **10 challenges** developed to enhance AI knowledge & Soft Skills
- **1 leader** as coordinator but involving all consortium partners
- Challenges involve **data exploration** and **medical problem solving**
- Challenges are open-ended to **encourage creativity**
- **Guide on specific platforms** for machine learning tasks were provided

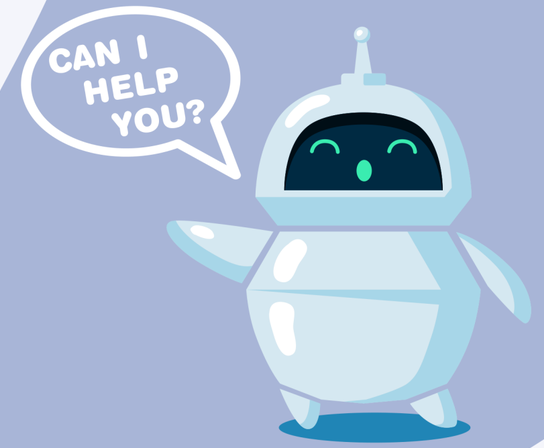


04

Innovative Teaching Methods

Collaborative Approach to Teaching

- **Collaboration among universities and companies** for challenge development.
- **Initial phase:** standard data exploration and identifying missing data.
- Students use **data science techniques** to answer medical questions.
- **Examples:** risk factors for stroke, patient prediction.
- **Open-ended challenges** allow for creative problem-solving.



05 Team Formation

Creation of Cross-Sector & Transnational Student Teams

- **10 groups** were created to foster cross-disciplinary collaboration.
- Each group comprised **students from medical disciplines** & at least **one engineering student**.
- The goal is to ensure **diverse expertise within each team**.
- Students select challenges **aligned with their interests and skills**.
- Groups are forming **based on challenge choices** accordingly.
- Group formation was based on students' challenge choices **within the AIIS collaborative learning interface**.

05 Team Formation

Mentor Coordination for Student Teams

01 Mentors receiving emails containing group members' names and email addresses once groups were formed.

02 Mentors use this information to directly contact students and provide challenge details.

03 Weekly meetings are scheduled using platforms like Doodle for regular interaction.

04 This process allowes mentors to efficiently coordinate with their assigned groups.

05 Mentors can schedule meetings, share documents, and track student attendance effectively.

06

Collaborative Work Monitoring

Monitoring of Students' Collaborative Work

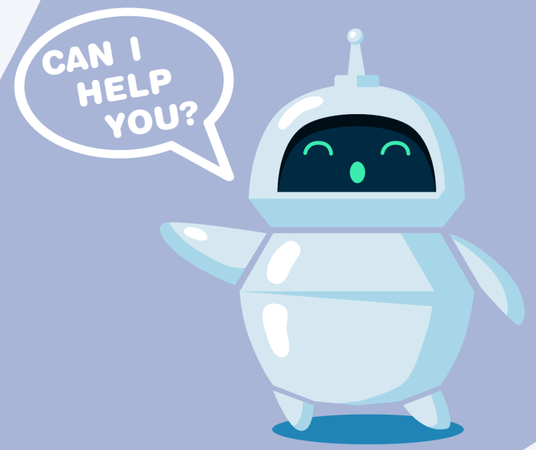
- Significant aspect are expected to be addressed through a survey distributed to all partners.
- Survey aims to gather insights on monitoring roles during two-month challenges.
- Survey results revealing varying perspectives on key monitoring aspects

06 Collaborative Work Monitoring

Monitoring and Framework Decisions

Decisions based on survey results and consortium discussions:

- **Two mentors assignment per challenge**: one for technical aspects, one for soft skills.
- **Weekly meetings** between mentors and students for support.
- **Action plan implementation** to ensure timely challenge completion
- **Periodic meetings** with mentors to oversee challenge progress and gather feedback.



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