BIP Erasmus+ Project Proposal (third draft)

Project title
Instrumental Practice and Digital Tools

Participating Institutions (minimum 2 foreign institutions)

Conservatory of Music “Stanislao Giacomantonio” – Cosenza (Italy) – Coordinator
(Ivano Morrone, Nicole Y. González Simonet)

Total number of participants
- 10–15 students from partner institutions
- 3–5 teaching and administrative staff
Minimum requirement: 10 international participants

Objectives
The project aims to explore innovative approaches to instrumental learning based on self-regulated learning, understood as the ability of students to plan, monitor and evaluate their own practice.

Within the context of digital transformation, the project investigates how accessible digital tools - particularly mobile applications - can support students’ autonomy and enhance the effectiveness of instrumental practice.

The specific objectives are:
-to analyse practice strategies adopted by instrumental students;
-to explore the role of digital tools (audio/video recording, feedback systems and mobile applications) in supporting instrumental practice and self-regulated learning;
-to promote innovative teaching and learning approaches integrating music pedagogy and digital tools;
-to foster interdisciplinary collaboration between music and technology-oriented students;
-to develop critical and reflective skills related to students’ own learning processes.

Methodological approach
The programme adopts a challenge-based learning approach, in which students actively engage in identifying and addressing real problems related to instrumental practice.

Participants will be provided with a “Digital Practice Box”, consisting of a curated selection of mobile applications (free or open-access) designed to support self-regulated practice.

Particular attention will be given to:
-feedback for pitch and intonation control;
-support for timbre awareness and sound quality;
-audio and video recording for self-assessment;
-gesture and hand tracking;
-posture awareness;
-technologies supporting self-regulated instrumental practice.

Students will explore existing mobile technologies supporting instrumental practice and self-regulated learning, including solutions based on Digital Signal Processing, Machine Learning and hybrid approaches.

The use of mobile devices is central to the project: smartphones and tablets can be seamlessly integrated into daily practice (e.g. placed on the music stand alongside the score), allowing immediate feedback, self-monitoring and reflection.

Interdisciplinary collaboration
The project involves two complementary student profiles:

Instrumental students will experiment with digital tools, analyse their own practice processes and evaluate the pedagogical effectiveness of technological solutions.

Music technology students will investigate existing software and devices, compare different technological approaches and develop conceptual proposals responding to performers' needs.

The interaction between these groups promotes dialogue between artistic practice and technological innovation.

Proposed programme of activities
The programme is structured in three phases: online preparation, physical mobility and follow-up.

Phase 1 – Online activities (1 week: 22-26 February 2027)

-Introductory meetings between teachers and students

-Seminars on:
-instrumental practice strategies;
-self-regulated learning in music education;
-tools for self-regulated instrumental practice;
-technologies supporting intonation control, timbre awareness and performance feedback;
-Introduction to the "Digital Practice Box";
-Formation of international working groups;
-Presentation and discussion of short case studies;
-Definition of preliminary topics for group work.

Phase 2 – Physical mobility (8 days: 9-16 May 2027 - Conservatory of Cosenza (Casa della Musica, Cosenza, and Polo Tecnologico per l'audio-video, Cerisano)

Day 1 - Arrival of participants and welcome

Day 2 – Introduction and framework
-Presentation of participants and institutions
-Introduction to the project themes and tools
-Group formation and assignment of tasks

Day 3–4 – Workshops and experimentation
-Workshops on instrumental practice and self-regulation
-Demonstration and testing of mobile digital tools

-Practical sessions:
-tools for intonation control and pitch awareness;
-tools supporting timbre awareness and sound quality;
-audio and video recording for self-assessment;
-gesture and hand tracking for posture and instrumental technique;
-experimentation with self-evaluation strategies.

Day 5 – Challenge-based group work
Students will work in interdisciplinary groups to:
-identify key challenges in instrumental practice;
-analyse existing tools and strategies;
-investigate technological and pedagogical approaches;
-develop innovative, digitally supported solutions.

Day 6 – Final presentation
-Presentation of group projects
-Discussion and feedback
-Final evaluation session

Day 7 - Guided tour of the Calabria region

Day 8 - Departure of participants

Expected outputs
-conceptual prototypes or practice models
-structured practice strategies using digital tools
-short presentations or practical guidelines for instrumental learning

Phase 3 – Online follow-up (1 week: 7-11 June 2027)
-Sharing of materials and results
-Final discussion and evaluation
-Preparation of dissemination materials (reports, audiovisual content)

Departments involved
-Department of Instrumental Studies
-Department of Electronic Music and New Technologies

The collaboration between departments ensures an interdisciplinary approach integrating artistic practice and digital innovation.

The programme is primarily addressed to students of Instrumental Studies and Music Technology, but participation from related disciplines is also welcome.

Learning Outcomes
Upon completion of the programme, students will be able to:
-demonstrate increased awareness of their own instrumental practice processes;
-apply self-regulated learning strategies, including planning, monitoring and self-evaluation;
-effectively use mobile digital tools to support instrumental practice;
-critically reflect on the role of technology in instrumental learning;
-collaborate in interdisciplinary and international groups;
-develop and present innovative approaches to instrumental practice supported by digital tools.

Evaluation Methods
Student performance and learning outcomes will be assessed through a combination of:
-active participation in online and on-site activities;
-engagement in group work and collaborative tasks;
-development of a final group project addressing a specific challenge related to instrumental practice through the use of digital technologies;
-presentation of results during the final session;
-reflective feedback on the learning process.

Assessment will be based on both individual engagement and group outcomes.

ECTS credits
The programme will award 3 ECTS credits to participating students.