Preparation activities for accreditation and implementation of the study programs

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Start

GREENES
Development of green energy competences for energy stability
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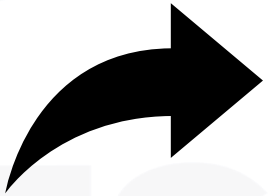

NEST4WB

Accreditation/Verification of new developed contents

- Full programms
- Modul
- Inovation of contents

Who is in charge?

Frameworks for the development of new competencies NEST4WB

- Frameworks for the development a new programs
  - standards
  - procedures
- Procedure
  - Institutional
  - National

COMMON ELEMENTS FOR WB.

Curriculum content creation

- Need analysis – analiza tržišta i na osnovu toga određujem
- Competences & Qualification
- Goal & Outcomes
- Green agenda & digitalization (project task)
- Horizontal and vertical mobilities
- Innovations
- Internationalisation
- Intership

Curriculum content creation

- Learning elements
- QA institutional policy
- Teaching staff
- Equipment
- E platform
- Student engagement
- Practical

Needs assessment and curriculum design

Analytic Hierarchy Process (AHP)

Purpose: To prioritize curriculum components based on industry needs, academic goals, and student preferences.

Steps:

1. List industry relevance, academic rigor, student interest, and employability criteria.
2. Compare each criterion against others to establish priorities.
3. Rank curriculum components based on weighted criteria to identify the most important areas to focus on.

Learning outcome mapping

Curriculum mapping

Purpose: To ensure all learning outcomes are covered throughout the curriculum.

Steps:

1. Define all learning outcomes for the program.
2. Identify which courses address each outcome.
3. Analyze gaps where outcomes are not sufficiently covered.
4. Modify course content or add new courses to cover gaps.

Blended learning strategy

Adaptive learning

Purpose: To personalize the learning experience based on individual student progress.

Steps:

1. Assess students' initial knowledge and skills.
2. Continuously track student progress and adjust recommendations.
3. Provide regular feedback to students.

Practical experience integration

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Purpose: To optimize the scheduling of practical sessions, lab work, and internships.

Steps:

1. Gather constraints such as availability of lab facilities, student schedules, and internship opportunities.
2. Create an optimization problem to maximize the use of resources while meeting constraints.
3. Deploy the optimized schedule and make adjustments as needed.

Faculty development

Knowledge sharing and collaboration procedures

Purpose: To facilitate resource sharing and collaboration among faculty members.

Steps:

1. Map HEI expertise and teaching resources.
2. Create a centralized teaching materials and best practices repository.
3. Implement a feedback system to improve shared resources continuously

(imamo nastavnike, nastavni materijal, lab,...)

Continuous improvement

Purpose: To continuously improve the curriculum based on feedback and performance data. (analiza studentskih anketa i izveštaji o samovrednovanju)

Steps:

1. Collect feedback from students, faculty, and industry partners.
2. Analyze feedback and performance data using sentiment analysis and statistical methods.
3. Identify areas for improvement and prioritize them.
4. Make curriculum adjustments and iterate the process.

- Accreditation and implementation of study programs is our most important result

- Proof of verification – Main output of NEST4WB

THANK YOU!