



**FACULTY OF CIVIL ENGINEERING (CONSTRUCTION) AND
INFRASTRUCTURE**

REPORT ON QUALITY ASSURANCE FOR THE PERIOD 2023/2029

Pristina, 2023

FORWARD

Based on the Regulation for Quality Assurance in the UBT College (ref. Meeting of the 7th of October 28, 2017), this report has been prepared, which presents the aspects of quality assurance in the Faculty of Civil Engineering (Construction) and Infrastructure for the time period 2021/2023.

INTRODUCTION

Based on the fundamental principles of the mission and vision of the UBT College, in accordance with the normative acts of the Republic of Kosovo on Higher Education, in the legal acts of the UBT, the development strategy of the UBT, etc., the Faculty of Civil Engineering (Construction) and Infrastructure Program in the continuation of has devoted and devotes special importance to quality assurance until the achievement of the highest standards of research-scientific excellence (perfection), academic advancement, the process of studies and innovative developments in the field of construction engineering and infrastructure.

The management of the Faculty of Civil Engineering (Construction) and Infrastructure strongly supports the measurement of quality indicators by performing periodic evaluations and monitoring aimed at scientific advancement and studies in this program. Civil Engineering (Construction) and Infrastructure is committed to ensuring quality in all its activities and to achieve a culture of continuous improvement in the provision of services to staff, students and the community as a whole.

Quality assurance procedures and improvement methods are based on the analysis of information, data and reports obtained through a detailed evaluation process, continuous monitoring and recommendations from internal and external parties.

Measurement, respectively quality assurance during this reporting period is based on:

- Teaching assessment;
- Self-esteem;

- Implementation of ethics procedures;
- Scientific publications;
- Infrastructure and financing;
- The rate of staff advancement in academic calling;
- Refreshing the curricula.

TEACHING EVALUATION

To ensure quality in the teaching process, the following criteria were taken into consideration:

- Continuity of the staff (teacher and associate-assistant);
- Work materials placed in the Moodle electronic system;
- Assessment from student forms

Etc., e.g.

The measurements showed that 90% of the staff (teachers and assistants), while only 10% did not fully meet these criteria. Therefore, the theme that the staff has shown commitment in fulfilling the high criteria noted, which shows that it is an indicator (indicator) for an increasing quality from previous years which was about 90%.

SELF-ESTEEM

The criteria for the self-assessment process are regulated by UBT Regulation. Based on this regulation, every academic staff employed in the Faculty of Civil Engineering (Construction) and Infrastructure is subject to the self-evaluation process. The self-evaluation period is annual (ie for each academic year). The self-assessment is an indicator which enables activities, actions and measures to be undertaken through the results derived from it to increase and ensure a higher level of quality in the Faculty of Engineering (Construction), Construction and Infrastructure. In the period 2021-2023, the result is that the degree of self-evaluation in this Faculty is in harmony with the quality standards and legal acts of UBT, respectively of the Faculty of Civil Engineering (Construction) and Infrastructure (<https://www.ubt-uni.net/sq/ubt/per-ubt/politikat-rregulloret/>).

SCIENTIFIC PUBLICATIONS

During this reporting period 2021/2023, there has been progress in the scientific research work by the staff engaged in Faculty of Civil Engineering (Construction) and Infrastructure. Scientific papers have been published in journals with an impact factor (scopus and web of science).

During the period 2021-2023, the staff of the Faculty of Civil Engineering (Construction) and Infrastructure in the component of research and publication of scientific papers (articles) has achieved the results as in Table 1.

Table. Number of works (articles) published period (2021-2023)

Setting	Period		
	2021	2022	2023
First author	4	15	10
Co-author	28	48	44

The table shows that in 2021 a total of 32 scientific papers were published which have been published in journals with the index on the scopus platform of the rank from Q1 to Q4. From the total number of publications in 2021, the staff of the Faculty of Construction (Construction) and Infrastructure is the first author in four of them and co-author in 28 of them. In 2022, a total of 63 were published, of which the staff of the Faculty of Engineering (Civil) Construction and Infrastructure is the first author in 15 papers, while co-author in 48 papers. In 2023, 54 papers were published, of which the staff of the Faculty of Engineering (Construction), Construction and Infrastructure was the first author in 10 papers and co-author in 44 papers. This indicator shows that the staff of the Faculty of Civil Engineering (Construction) and Infrastructure continues to be active in the field of research and publishing, which shows that this pillar is contributing to the growth and improvement of quality within the Faculty of Engineering (Construction) and Infrastructure (for more visit the link:<https://www.scopus.com/freelookup/form/author.uri>).

IMPLEMENTATION OF ETHICS PROCEDURES

Procedures for ethical issues within the framework of UBT are regulated by Code of ethics of students No. 5/41-2, May /2020. This regulation is intended to protect and protect all issues related to ethical violations of academic, administrative staff, students and all stakeholders who work within the UBT, respectively the Faculty of Civil Engineering (Construction) and Infrastructure. The Faculty of Civil Engineering (Construction) and Infrastructure to ensure the implementation of procedures for ethical issues has formed the sub-committee for ethical issues which has the duty and responsibility to supervise and take all actions and measures to ensure a safe, transparent and to be impartial to all situations which in one way or another violate the ethical aspects of the academic, administrative staff, students, etc., and to provide solutions to these situations which may eventually occur. During the period 2021-2023 within the Faculty of Civil Engineering (Construction) and Infrastructure, the subcommittee for ethics has carried out meetings one per semester or more based on special request in which they have dealt some requests (subjects) with ethical issues, which were deposited for this subcommittee by the academic, administrative, student, etc. staff. The sub-committee for ethics, in order to ensure and advance quality, has managed to resolve all open issues and recommend measures for improvement where it was necessary (requested) for both academic staff, administrative staff, students, etc. Measures such as: trainings, seminars, workshops, etc. (<https://www.ubt-uni.net/sq/ubt/per-ubt/politikat-rregulloret/>; <https://www.ubt-uni.net/wp-content/uploads/2021/01/5-41-V2-Kodi-etike-i-studenteve.pdf>)

THE RATE OF STAFF ADVANCEMENT IN ACADEMIC CALLING

The measurement has shown that from 2021 to 2023 in the Faculty of Civil Engineering (Construction) and Infrastructure there are more than 40 doctor of science, of which 2 professor, 2 prof. to assoc, and so on 12 prof. Asst and so on which shows a increase of quality assurance in this program.

REFRESHING THE CURRIULA

The revision of the curriculum in the Faculty of Construction Engineering (Construction) and Infrastructure is a dynamic process which aims at the qualitative advancement of the study program by being refreshed in harmony with development trends and in accordance with the rules and standards of the Bologna Charter and the Agency's Guidelines for Accreditation of Kosovo. In the period 2021-2023, in order to increase the quality and advance the curriculum of studies in the Faculty of Civil Engineering (Construction) and Infrastructure, the management staff of the faculty has organized several (the number of meetings, the list of participants must be available) with all stakeholders at the country level, and in particular with the construction sector, respectively with the labor market. The comments, suggestions and recommendations of all interested parties have been included in the revised curriculum, which has resulted in the change and addition of some modules that have been recommended by the labor market, as well as some of them have been changed only in terms of the ECTS fund and from formative subject to elective and vice versa. This indicator also supports the overall process of ensuring the quality of the study program at the Faculty of Civil Engineering (Construction) and Infrastructure.

PROJECTS

Staff research collaborative arrangements are possible under partnership agreements that UBT has with numerous universities.

Staff development is one of the priorities at UBT. Staff is trained starting from Day 1 on the job. Current projects run at UBT in the Erasmus+, tempus, Horizon 2020. Industry projects serve as a development for the staff and the institution and improve teaching aspects as well that students in the end will benefit the most. Staff mobility across the region and the EU is a standard practice. Several trainings have occurred alone in past years (trainings in Croatia, Greece, Montenegro, Albania, Estonia, Slovenia, etc – in Erasmus+ projects BESTSDI, MDTV and ELEMEND, Balkan Stone, GEOBIZ, etc). Also, development tools and access to different portfolio programs are given to ensure quick staff integration following institution strategy.

Also, the project development office supports the Faculty of Civil Engineering and Infrastructure staff to apply in European, regional and local projects such as the list below (link: <https://international.ubt-uni.net/erasmus/>)

Programme or initiative	Reference number	Beneficiary Organization	Title of the Project
Erasmus +	610281-EPP-1-2019-1-ALEPPKA2-CBHE-JP	UNIVERSITETI ALEKSANDER MOISIU DURRES	Accelerating Western Balkans University Modernization by Incorporating Virtual Technologies (VTech@WBUni)
Erasmus +	609786-EPP-1-2019-1-XKEPPKA2-CBHE-JP	UNIVERSITETI PUBLIK KADRI ZEKA	Quality development of international cooperation and project management (QUADIC)
Erasmus +	609990-EPP-1-2019-1-SEPPKA2-CBHE-JP	LINNE UNIVERSITETET	The development and implementation of PhD Curricula in ICT for Kosovo Education System / DI-PHDICTKES
Erasmus +	610483-EPP-1-2019-1-AL-EPPKA2-CBHE-JP	POLYTECHNIC UNIVERSITY OF TIRANA	"Higher Education–Enterprise platform for fostering, modernisation and sustainable growth in natural stone industry in Western Balkans - BKSTONE"
Erasmus +	610225-EPP-1-2019-1-HR-EPPKA2-CBHE-JP	University of Zagreb	GEOBIZ - Business driven problem-based learning for academic excellence in geoinformatics'
Erasmus+	Project No: 586318-EPP-1-2017-1-AL-EPPKA2-CBHE-JP	UAMD – University Aleksander Mosiu	DEVELOPMENT AND IMPLEMENTATION OF MULTIMEDIA AND DIGITAL TV CURRICULA (DIMTV)
Erasmus+	585681-EPP-1-2017-1-EL-EPPKA2-CBHE-JP Grant Agreement Number 2017-2896/001-001	Technological Education Institution of StereaEllada – Greece	Electrical Energy Markets and Engineering Education / ELEMEND
Erasmus+	574150-EPP-1-2016-1-HR-EPPKA2-CBHE-JP	Faculty of Geodesy, Croatia	Western Balkans Academic Education Evolution and Professional's Sustainable Training for Spatial Data Infrastructures – BESTSDI
TEMPUS	543782-TEMPUS-1-2013-1-AL-TEMPUS-JPCR	UNIPolis, Albania	DAPEEWB - Developing and Adapting Professional Programs for Energy Efficiency in the Western Balkans"
TEMPUS	530399-TEMPUS-1-2012-1-AT-TEMPUS-JPHES	PARIS-LODRON-UNIVERSITAT SALZBURG	Encouraging the process of curriculum development based on learning outcomes and research guided teaching in the private higher education institutions of Kosova LO@HEI
TEMPUS	. 159051-TEMPUS-AT-TEMPUS-SMG	PARIS-LODRON-UNIVERSITAT SALZBURG	Supporting and Developing the Structures for QA at the Private Higher Education Institutions in Kosova

ERASMUS MUNDUS – EM2STEM	Erasmus Mundus Action 2/ Strand 1 /Lot 10/ (Western Balkans)- EM2-STEM (2010-4728-001-EMA2)	City University of London - CITY	EM2STEM--entrepreneurship and management training in science, technology, engineering & mathematics-Erasmus Mundus
ERASMUS MUNDUS - SIGMA	Grand Agreement No.2012-2669-001-001-EM Action 2	UNIwersytet WARSZAWSKI, Poland	Critical Skills Learning for Innovation, Sustainable Growth, Mobility and Employ Ability in the Multicultural Environment of the Western Balkans
ERASMUS MUNDUS – SIGMA AGILE	552105-EM-1-2014-1-PL-ERA MUNDUS-EMA21	UNIwersytet WARSZAWSKI, Poland	Critical Skills Learning for Innovation, Sustainable Growth, Mobility and Employ Ability in the Multicultural Environment of the Western Balkans
ERASMUS MUNDUS	551984-EM-1-2014-1-ES-ERA MUNDUS-EMA21	UNIVERSIDAD DE VIGO, ESPAÑA	GREEN TECH WB - GreenTech: Smart and Green Technologies for Innovative and Sustainable Societies in Western Balkans - Strand 1 - Lot 2
ERASMUS+ 2	561485-EPP-1-2015-1-AT-EPPKA2-CBHE-JP	PARIS-LODRON-UNIVERSITÄT SALZBURG	Curriculum Development joint European Political Science MA
ERASMUS+	International Credit Mobility – Key Action 1 - Mobility for learners and staff - Higher Education Student and Staff Mobility	CORVINUS UNIVERSITY OF BUDAPEST	Learning Mobility for Individuals
ERASMUS+ Learning Mobility for Individuals	Erasmus+ programme Global mobility – KA1 - Mobility for learners and staff - Higher Education Student and Staff Mobility	GJØVIK UNIVERSITY COLLEGE	
TEMPUS	543782-TEMPUS-1-2013-1- AL-TEMPUS-JPCR	POLIS UNIVERSITY	Developing and Adapting Professional Programs for Energy Efficiency in the Western Balkan
ERASMUS MUNDUS	EM2STEM	CITY UNIVERSITY	
ERASMUS KA1	International Credit Mobility – Key Action 1 - Mobility for learners and staff - Higher Education Student and Staff Mobility	RIGA UNIVERSITY	Students and staff from CEI to Riga University, Latvia
ERASMUS KA1	International Credit Mobility – Key Action 1 - Mobility for learners and staff - Higher Education	Università degli studi di Perugia	Students and staff from CEI to Università degli Studi di Perugia, Italy

	Student and Staff Mobility		
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Research Projects/Grants (training and education) – Local Level:

- Vocational Educational Training Schools – ALLED II – EU Projects for level 5 (formula funding – current active project)
- Feasibility study for Llabjan Economic Zone-Gjilan and Novobrdo
- Kosovo Diaspora 2011 & 2012
- Creating a Strategy for Economic Development for Ferizaj Municipality
- Creating a Strategy for Economic Development for Vushtrri Municipality
- Feasibility Study for Gjakova Economic Zone (3 studies)
- Business plans development for Ferizaj Municipality
- Regional Food Basket Survey - RDA
- Form in Vocational Education and Training in Kosovo (I, II, III)
- Permanent IEME – WIFI Program for SME Managers in Kosova
- Drawing/Mapping of Geologic Maps of Kosovo
- Development and Implementation of Management Systems for Kosovo Standardization Agency
- The rationale for introducing-applying the brand "Quality Kosova" in domestic products
- Monitoring, Supervision, Consulting for The University clinic centre of Kosova for capital investment
- Management of the Economic Zones in Kosovo
- Perception of Foreign Direct Investors for Business environment in Kosova
- Improvement of investment and entrepreneurial climate in Kosovo
- Skills Audit for Food processing, Wood processing, Business service outsourcing
- Investment Friendly Municipality

Below it can be found a list of Faculty of Civil Engineering and Infrastructure partners which relates universities, industry and other partners:

No.	Institution	Country
1	Anhalt University of Applied Science, Architecture – Faculty Management ,K	Germany
2	Bankyo Univeristy – Japan	Japan
3	Budapest University of Technology and Economics	Hungary
4	City University London	United Kingdom
5	Corvinus University of Budapest	Hungary
6	Department fur Raumentwicklung, Infrastruktur und Umweltplanung, Fachbereich Regionalplanung und Regionalentwicklung	Austria

7	Deutch Gesellschaft fur Technische Zusammenarbeit, Berlin	Germany
8	Dortmund University of Technology, Dortmund	Germany
9	European Polytechnical University, Pernik	Bulgaria
10	Polytechnic University of Tirana	Albania
11	Faculty of Geodesy, University of Zagreb	Croatia
12	Geneva University of applied sciences, Western Switzerland technology, architecture and landscape, member of the HES-SO1	Switzerland
13	ISPARTA University of Applied Sciences	Turkey
14	Istanbul University IU	Turkey
15	Kadir Has University, Istanbul	Turkey
16	La Sapienza Universita di Roma	Italy
17	Mimar Sinan University	Turkey
18	Munich Univeristiz of Technology	Germany
19	Polis University, Tirana	Albania
20	Politecnico di Milano	Italy
21	Polytechnic University of Izmir	Turkey
22	Technical University Sofia	Bulgaria
23	The University of Architecture, civil engineering and Geodesy	Bulgaria
24	Technoligal Education Institution of Sterea Ellada	Greece
25	Universita degli studi di Cassino , Facolta di Ingegneria	Italy
26	University of Cambridge	United Kingdom
27	University of Algarve	Portugal
28	University of Applied Sciences	Austria
29	La Universita Degli Studi Del Sannio	Italy
30	Technical UNIVERSITY of RIGA	Latvia
31	Stajerski Tehonoloski Park Maribor	Slovenia
32	Szent Istvan University, Budapest	Hungary
33	Universidade Nova de Lisboa	Portugal
34	University of Minhol, Civil Engineering Department, Braga	Portugal
35	University of Warsaw	Poland
36	Van Hall Larenstein University of Appiled Science, Stichting Van Hall Larenstein	Netherland
37	Vienna University of Technology	Austria

SEMINARS, CONFERENCES ETC.

Through UBT Annual Conference, where staff, researchers, and students can publish in UBT Annual Conference on annual basis.

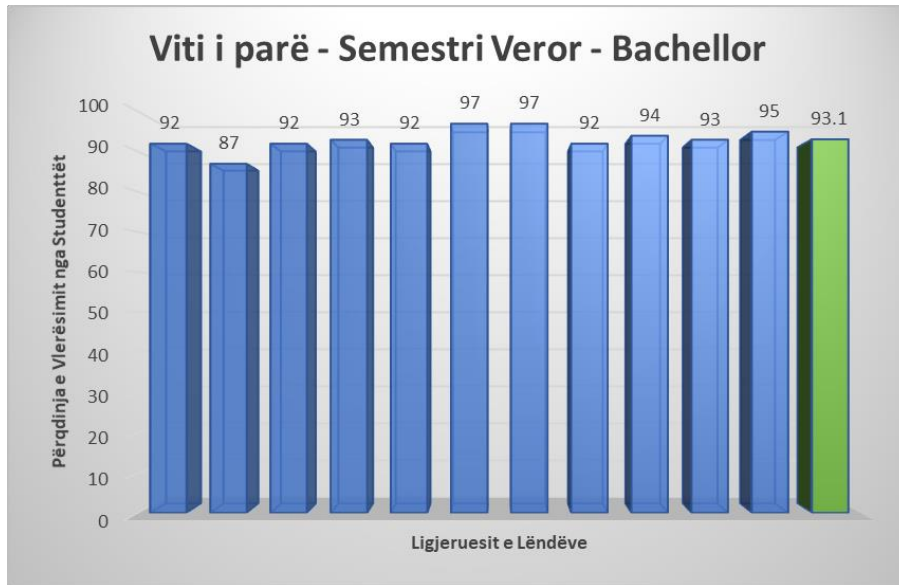
- Conference participations and publishing in the proceedings
- Annual Summer School (<https://www.ubt-uni.net/sq/perfundon-punimet-akademiia-e-verore-e-inxhinierise-se-ndertimit-dhe-infrastruktures-ne-ubt/>)

- Forums, Seminars, Debates organized from Faculty of Civil Engineering and Infrastructure for community problems, industry, etc. (ex. Environmental Pollution, Work Safety, World Water Day (<https://www.ubt-uni.net/sq/ne-ubt-permes-nje-diskutimi-te-hapur-shenohet-dita-boterore-e-ujit/>) , World Earth Day, World Environmental Day, (<https://telegrafi.com/ubt-shenoi-22-prillin-diten-e-tokes/>), etc)
- Guest invitations from Industry;
- Guest lecturers from Government;
- Guest lecturers from EU/USA (<https://www.ubt-uni.net/sq/professori-nga-italia-bruno-dal-lago-zhvilloi-ligjerata-tematike-me-studentet-e-ubt-se/>) ;
- Helps the community for natural disaster events (ex. Earthquake in Albania);
- Student competition awards in business plans;
- Challenges between students (<https://www.ubt-uni.net/en/the-ubt-students-revealed-their-creativity-in-the-competition-1st-spaghetti-bridge-building-2018-challenge/>) ;
- Exposition with the students works , etc. (<https://www.ubt-uni.net/sq/studimi/programet-bachelor/arkitekture-dhe-planifikim-hapesinor/ekspozitat/>)

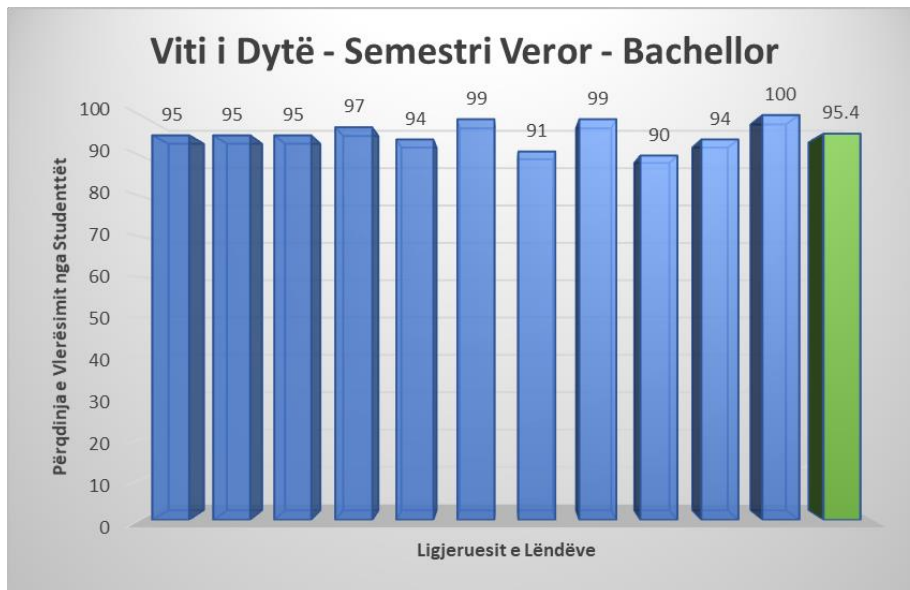
Faculty of Civil Engineering and Infrastructure program engages in research project applications in the field of capacity building of higher education institutions. The research proposals of Faculty of Civil Engineering and Infrastructure program are related with expanding the Innovation Center, management of information technologies and better governance of higher education institutions through digitization of library services, and these activities are also recognized as research activities. In terms of Faculty of Civil Engineering and Infrastructure staff publications, this implies different academic journals and attendance of different international conferences. Moreover, the Faculty of Civil Engineering and Infrastructure program organizes an annual conference every year and encourages its staff members to make presentations and publish in the book of proceedings of the conference. In 2019 and 2023, the conference of the Faculty of Civil Engineering and Infrastructure program attracted academicians of the field both from inside and outside the region. There were more than 50 abstracts each year submitted to the Annual UBT International CEIE Conference, while the number of full papers submitted was 35 and this Conference lately was support and cosponsored by RILEM (World International Laboratory Organization). Every abstract and paper held a DOI number of publications which helps the citation of the abstract/paper. Faculty of Civil Engineering and Infrastructure program staff members were encouraged to present their papers and publish them, upon selection by peer reviewers in proceedings that are published in ISBN, ISSN scientific reports. (<https://www.ubt-uni.net/en/research-and-innovation/research-support-infrastructure/other-infrastructure/>).

STUDENT SATISFACTION

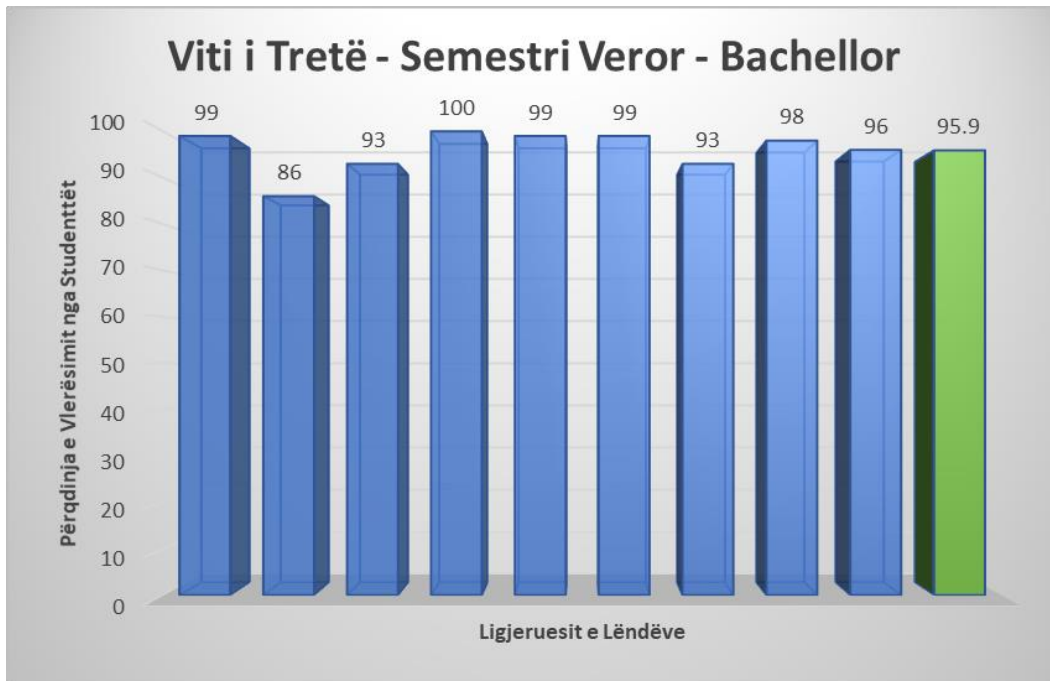
Here can be found the students satisfaction for semesters in bachellor for every year



First Year Students Satisfaction for every course offering an average of 93.1



Second Year Students Satisfaction for every course offering an average of 95.4 %



Third Year Students Satisfaction for every course offering an average of 95.9 %

RECOMMENDATION

Based in results the staff is recommended to attend training to improve but not related for negative impact but for future challenges such as innovative pedagogical way of presenting and also connect even more research with didactic activities.

There are some rules presented for **Quality assurance in research - CEI**

The Internal Quality Assurance System consists of:

- Internal quality control
- Internal quality management system
- Responsibilities in monitoring and managing quality up to department level
- Self-assessments and their results
- Quality improvement policies based on periodic self-assessments
- Audit results and external evaluations
- Relevant documentation

Assurance of the quality of scientific work is ensured by taking into account the following parameters:

- Number of texts written by staff or co-authored with others for students
- Number of books published
- Number of articles published in the country's scientific journals
- Number of articles published in foreign scientific journals
- Number of in-country scientific conferences at which papers were presented.
- Number of referrals
- Number of posters

The number of scientific conferences abroad where papers were presented

- References:
 - posters
- Number of scientific conferences abroad in which he attended but did not refer or present work.
- Number of reports written for research and research purposes and deposited with interested institutions
- Number of scientific workshops operating in the unit
- The number of in-country scientific conferences organized by the unit or where it is co-organized.
- The number of scientific conferences abroad in which the unit is a partner for the organization.
- Research projects
 - Number of projects with the support of central government
 - Number of projects supported by local government
 - Number of projects with the support of other local or foreign bodies
- Number of staff members who have gone overseas for qualification, cooperation, specialization.
- Number of staff members who are engaged as teaching guests, seminars ("invited professor"), cooperation.
 - In the country's universities and academic settings
 - In foreign universities and academic settings