



MechaUZ_D.6.1_Approve and accredit the new BS's program_V.1



Modernization of Mechatronics and Robotics for Bachelor degree in
Uzbekistan through Innovative Ideas and Digital Technology

(MechaUZ)

609564-EPP-1-2019-1-EL-EPPKA2-CBHE-JP

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Project Acronym	MechaUZ
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Dissemination level:	National level

[1]

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Revision History

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0.1	30/0/2023	TUIT	Utkir Hamdamov	MechaUZ_D.6.1_Approve and accredit the new BS's program_V.0.1

Document Contact Information

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Approval Table

<i>Version</i>	<i>Date of Approval</i>	<i>Deliverable Name</i>	<i>Approved By</i>
1.0	30/05/2023	MechaUZ_D.6.1_Approve and accredit the new BS's program_V.0.1	Ministry of higher education, science, and innovations of the Republic of Uzbekistan



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Abstract

The overall aim of the Approve and accredit the new BS's program is to the delivery of accreditation of developed normative and legal documents in Mechatronics. Details on the accreditation process can be found also.

Abbreviations

Acronym	Definition
AndMI	Andijan Machine Building Institute
BSc	Bachelor
CMB	Communication Management Board
D	Deliverable
EACEA	European Education and Culture Executive Agency
ECTS	European Credit Transfer and Accumulation System
EU	European Union
FPI	Fergana Polytechnic Institute
GA	Grant Agreement
HEIs	Higher Education Institutions
IHU	International Hellenic University
i-LABs	Innovative laboratories
ILO	International Labour Organization
IPVC	Polytechnic Institute of Viana do Castelo
KEEI	Karshi Engineering-Economics Institute
LiepU	Liepājas Universitāte
MHSSERUZ	Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan
MIFT	Ministry of Investments and Foreign Trade
NEO	National Erasmus Office
PM	Project Manager
PMB	Project Management Board
PrCs	Partner countries
QA	Quality Assurance
QAM	Quality Assurance Manager
QAP	Quality Assurance Plan
QC	Quality Control
R&D	Research and Development
SCC	State Customs Committee
SEERC	South East European Research Centre
TSTU	Tashkent State Technical University named after Islam Karimov
TTPU	Turin Polytechnic University in Tashkent
TUIT	Tashkent University of Information Technologies named after Mukhammad Al-Khwarizmi
UK	United Kingdom

[3]

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UZB	Uzbekistan
ViA	Vidzeme University of Applied Sciences
VG TU	Vilnius Gediminas Technical Institute
WP	Work Package
WPs	Work Packages
WP1	Work Package 1
WP2	Work Package 2
WP3	Work Package 3
WP4	Work Package 4
WP5	Work Package 5
WP6	Work Package 6
WP7	Work Package 7

Partners

Partner Ministry of Higher Education, Science and Innovations of the Republic of Uzbekistan (ex. Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan - MHSSERUZ), Uzbekistan

Ministry implements a unified state policy in the field of higher and secondary specialized vocational education aimed at training highly qualified personnel and is responsible for the development and improvement of the system of higher and secondary specialized vocational education in UZB with the best international practices.

Ministry had a responsible role in the project since it would encourage the introduction of Mechatronics curriculum not only in the UZB project partner universities, but also in the rest of the universities in the country, by taking active part in WP 6 (Dissemination/Exploitation), especially regarding new BSc program accreditation and achieved results publication.

WP6: Dissemination

This WP included approval and accreditation of new BSc program developed within project framework which was launched in 5 UZB HEIs by the end of the project (D 6.1), development of project website to support collaboration between partners (D 6.2), publication of achieved results in newspapers, magazines, scientific conferences, social media to disseminate results to the whole system of education (D 6.3) and organization of workshops, seminars and meetings, like official opening of Central Laboratory in UZB and final dissemination conference on development of continuous education program in Mechatronics (D 6.4).

This WP according to agreed timetable was scheduled to start by June 2020 (8th month) and be completed one month before project period is over (47th month), with final conference and publication of achieved results. Especially regarding deliverable/task 6.1, it was scheduled to start and completed by February 2023 as far as it concerns accreditation and launched in UZB HEIs until September 2023, according to revised timetable. TUIT was the partner responsible to deliver D 6.1 and peer reviewed by MHSSERUZ, according to UZB educational system.

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Meetings

MechaUZ- 9th ZOOM Meeting, 5 October 2021. The accreditation process was explained and presented to all partners: [Q3FqcT4zBx2VXCNYF4ZcMHu3LwBgIQDab3I98m0z.pdf \(mechauz.uz\)](#)

Fourth PPM meeting, 18-22-July, 2022, Viana do Castelo, Portugal. Accreditation & Certification Progress including roadmap and time plan was presented. "Regulation on the procedure for certification and state accreditation of public and non-state educational institutions". Approved by the decree of the Cabinet of Ministers No. 470 dated June 7, 2019: [i4HkIaSlcmtjp0fShsybiTkG54kmNjd1zDCqtoW.pdf \(mechauz.uz\)](#)

Thirteenth PPT meeting via ZOOM platform, November 23, 2022. Academic Program Accreditation Progress was explained by TUIT, and informed the Documents for accreditation, Types of Accreditation in Uzbekistan: [rAhQRGv4on7jx5xHu22jAaycS0xgTiNyMtH19Fh3.pdf \(mechauz.uz\)](#)

14 WEB Meeting Minutes (01 Feb 2023). Timeline presentation for Accreditation and certification process (TUIT). Representative person of the TUIT, prof. U.Hamdammov provided following information about Accreditation and certification process: - Public administration reforms and changing responsibilities on accreditation process; - Finalized and preparing documents/activities for accreditation; Timeline of accreditation and certification process; Results of the accreditation: [sGKrbluwkpt8G2Iyr0zRNdmrRi3LMwTvlzPqCh4F.pdf \(mechauz.uz\)](#)

Fifth PPM meeting, 15-19-May, 2023, Tashkent, Uzbekistan. Academic Program Accreditation Process was presented and informed the Public Administration Reforms: [QaW6glk0tlycwfgUIDhdWT8VObgcann5xcywTgrS.pdf \(mechauz.uz\)](#)

Sixth PPM meeting, 19-23-May, 2023, Riga, Latvia. Presented the Accreditation paper: [chjESxRaTwlIV9vxMu38QTMjZfeVGyID7ySr2fkK.pdf \(mechauz.uz\)](#)

Accreditation of Programs in Uzbekistan

The requirements of High education Standard Ministry of higher and secondary specialized education for Accreditation of Programs:

- Qualification requirements: Development and approval of qualification requirements for academic program. Qualification requirements have been developed and officially approved within the framework of the documents "State Educational Standard of Higher Education. Basic rules" and "Classifier of areas of study and specialties of higher education" on 09.09.2022.
- Curriculum BSc program. Development of the curriculum for Mechatronics and Robotics program. All curriculums approved HEIs on August, 2022.

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- Submission of proposals. Preparation and submission of the required documents to the ministry. Admission quotas. Student admission for M&R, 2023/2024 (Total - 340): TSTU – 100 (18/82), AndMI – 50 (10/40), KEEI – 45 (10/35), FPI – 45 (10/35), TUIT – 100 (20/80).

The curriculum of BSc Program was accredited on the 12th of May 2023 by the Ministry of higher education, science, and Innovations. In the license are mentioned:

[TyrXRxfX6BplvJz4TNv7xDryreeM5bk9stADSitD.pdf \(mechauz.uz\)](#)

- Information about the program
- Compliance with qualification requirements
- Compliance with the requirements of the higher education standard
- Implementation requirements



Annex_1 (Translation of Accreditation Certificate)

6071150-Mechatronics and robotics on the implementation of curricula of undergraduate education

CONCLUSION

Tashkent sh. April 5, 2023

Developed document:

Within the framework of the project "Modernization of Mechatronics and Robotics for Bachelor degree in Uzbekistan through Innovative Ideas and Digital Technology" (609564-EPP-1-2019-1-EL-EPPKA2-CBHE-JP) in cooperation with the leading universities of the Republic of Uzbekistan and European countries, the following of higher education institutions, 6071150-Mechatronics and robotics educational programs have been developed:

- Tashkent State Technical University - curriculum;
- Andijan Mechanical Engineering Institute - curriculum;
- Institute of counter-engineering economy - curriculum;
- Fergana Polytechnic Institute - curriculum;
- Tashkent universities of information technologies - curriculum.

Eligibility for qualifying students:

Meeting No. 5 on August 29, 2022 of the Council for Coordinating the Activities of Educational and Methodological Associations in the Fields of Higher and Secondary Special, Professional Education of the Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan protocol and 2022 of the Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan 6071150-Mechatronics and robotics, approved by Order No. 302 of September 9, is suitable for qualified students of the undergraduate education.

Compliance of higher education with the state education standard:

Curricula of the educational direction of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan dated October 19, 2021 "State educational standard of higher education. The main rules" were developed based on the requirements of the "State educational standard of higher education" approved by Order No. 35-2021 on approval of the State Standard of the Republic of Uzbekistan, including fully complying with the following requirements:

- Study period - 4 years
- Number of weeks - 204 weeks

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- Number of academic hours - 7200 hours
- Credit amount – 240 credits
- Study procedure - credit-module system

Application requirements:

6071150-Mechatronics and Robotics Bachelor's Curriculum developed by Tashkent State Technical University, Andijan machine-building institute, Karshi Institute of Engineering Economics, Fergana Polytechnic Institute and Tashkent University of Information Technologies from the academic year 2023/2024 can be used in educational activities.

Head of the department (signed and staped)