



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of an external expert commission on assessment  
for compliance with institutional accreditation standards of the  
State Communal Enterprise "Petropavlovsk Mechanical Engineering College"  
from «10» to «12» 06.2019  
(date of in-person visit)

Independent agency for accreditation and rating  
External Expert Commission

Addressed to  
Accreditation board  
of IAAR

**IAAR**  
**Independent agency for accreditation and rating**

**A report**  
**on the results of the work of an external expert commission on assessment**  
**for compliance with institutional accreditation standards of the**  
**State Communal Enterprise "Petropavlovsk Mechanical Engineering College"**  
**from «10» to «12» 06.2019**  
**(date of in-person visit)**

**Petropavl (city)**

**«12» 06. 2019**  
**(date of last day of visit)**

## **(I) LIST OF DESIGNATIONS AND ABBREVIATIONS**

PMEC – Petropavlovsk Mechanical Engineering College

SCE - State Communal Enterprise

ICT - Information and Communication Technologies

EP - Educational Program

RK – Republic of Kazakhstan

MES RK - Ministry of Education and Science of the Republic of Kazakhstan

SCES - State Compulsory Educational Standard

QMS - Quality Management System

TVE - Technical and Vocational Education

CMC - Cyclic Methodological Commission

MTB - material and technical base

SC - sample curriculum

WC - work curriculum

STP - sample training program

WTP - work training program

LTP - long-term thematic plan

TMC - training and methodology complex

PT - production training

PP - professional practice

FA - final assessment

IA - intermediate assessment

MPC - military patriotic circle

## (II) INTRODUCTION (1-2 pages)

The basis of external assessment (the order of IAAR on EEC, IAAR standards according to which an external assessment is carried out (order number, date and publication), object of accreditation (name of the educational institution and / or educational program), composition of EEC.

According to the order 77-19-OD dated on 20.05.2019 Independent agency for accreditation and rating at State Communal Enterprise "Petropavlovsk Mechanical Engineering College" of Education Department of Akimat of the North Kazakhstan Region external expert commission carried out from 10 till 12 June 2019 assessment for compliance of activity and realization of educational programs with institutional accreditation standards of IAAR.

A report of an external expert commission (hereinafter EEC) includes an assessment of accordance of college activity to the IAAR standards' criteria, EEC recommendations on the further improvement of college activity and activity profile parameters of State Communal Enterprise "Petropavlovsk Mechanical Engineering College" of Education Department of Akimat of the North Kazakhstan Region.

### **Composition of EEC:**

**Chairman of the Commission** - Bakirov Rustembek Tokhtaganovich, Deputy Director for Training and Production work of CSOE "Kaskelen Vocational and Technical College named after Sanjar Zhandosov" (Almaty region);

**Foreign expert** - Sidorenko Inna Vladimirovna, Deputy Director for Academic Work of Budgetary Professional Educational Institution of the Omsk Region "Omsk Motor Transport College" (Omsk, the Russian Federation);

**Expert** – Bulat Sergey Nikolaevich, Deputy Director for Training and Production work of CSOE "Kostanay College of automobile transport" (Kostanay);

**Expert** - Tugerova Galiya Berdibaevna, Deputy Director for Educational and Methodical work of the Multidisciplinary College of the Caspian State University of Technology and Engineering named after Sh. Yesenov (Aktau);

**Agency observer:** Bekenova Dinara Kairbekovna, IAAR Project Manager for Accreditation of Organizations of TVE (Nur-Sultan);

**Employer** - Anatskiy Ivan Anatolyevich, Foreman JV LLP "Petropavlovsk Tractor Plant" (Petropavlovsk);

**Student** - Shishkanov Anton Vladimirovich, 3-year student of the specialty 1201000 "Maintenance, operation and repair of road transport" of the Petropavlovsk Humanitarian Technical College (Petropavlovsk).

### (III) REPRESENTATION OF EDUCATIONAL INSTITUTION (1-3 pages)

State Communal Enterprise "Petropavlovsk Mechanical Engineering College" of Education Department of Akimat of the North Kazakhstan Region (further – College) is a non-profit organization, possessing a status of a legal entity, created to meet the needs of youth in vocational education, professional training of qualified workers. The activity of the Institution is carried out on the basis of the Charter and in accordance with the Constitution of the Republic of Kazakhstan, the Laws of the Republic of Kazakhstan “On Education”, “On the Rights of the Child”, “On Languages in the Republic of Kazakhstan” and other regulatory legal acts of the Republic of Kazakhstan.

- certificate of state re-registration of a legal entity Series B № 0670179 dated on September 10<sup>th</sup>, 2012 (registration number 560-1948-01-GU);
- BIN (Business Identification Number) 030440001641, issued on September, 10<sup>th</sup> 2012 (initial registration April, 30<sup>th</sup> 2003);
- Charter of SCE "Petropavlovsk Mechanical Engineering College" registration number № 228 dated on August, 24<sup>th</sup> 2012 (Appendix 1);
- state license to engage in educational activities №12019460 dated on October 18<sup>th</sup>, 2012 and an appendix to the license №001-005 for technical and vocational education in the following specialties and qualifications (Appendix 2):

Table 1 - The list of specialties and qualifications of the college with the duration of study

	Cipher	Name of specialty and qualification	Duration of study
	<b>1109000</b>	<b>Lathe practice and metal working</b>	
1	110901 2	Lathe operator	2 years 10 months, 10 months.
2	110906 2	Milling machine operator	2 years 10 months, 10 months, 6 months.
3	110910 2	Machine tool operator	2 years 10 months, 10 months.
4	110913 2	Machining controller	2 years 10 months
	<b>1012000</b>	<b>Flexible automatic lines</b>	
5	101203 2	Operator of machine units with program control	1 year 10 months, 2 years 10 months.
	<b>1112000</b>	<b>Operation of machinery and industry equipment</b>	
6	111201 2	Toolmaker	2 years 10 months, 10 months.
7	111202 2	Assembly works mechanic	2 years 10 months, 10 months.
8	111203 2	Maintenance technician	2 years 10 months, 10 months.
	<b>1114000</b>	<b>Welding</b>	
9	111404 2	Electrical/gas welder	10 months, 2 years 10 months.
	<b>1115000</b>	<b>Electromechanical equipment in industry</b>	

10	111502 2	Automatic and semi-automated machines setup man	2 years 10 months., 1 year 10 months.
11	111504 2	Electrician for repair and maintenance of electrical equipment	2 years 10 months., 1 year 10 months.
	<b>1201000</b>	<b>Maintenance, repair and operation of road transport</b>	
12	120106 2	Electrician on automotive electrical equipment repair	3 months, 2 years 10 months, 10 months.
13	120107 2	Automobile repairman	2 years 10 months, 10 months.

The college was founded in 2003 as the State Institution "Professional School at the Petropavlovsk College of Railway Transport". Base of decision: Resolution of the Akimat of North Kazakhstan region dated on February 4<sup>th</sup>, 2003 №33, Department of Education Order №128 dated on 10.02.2003.

In 2006 – State Institution "Professional School at the Petropavlovsk College of Railway Transport" was renamed into State Institution "Petropavlovsk Professional School №2". Base of decision: Resolution of the Akimat of North Kazakhstan region dated on December 20<sup>th</sup>, 2006 №310.

In 2008 - State Institution "Petropavlovsk Professional School №2" was renamed into State institution "Petropavlovsk Professional Lyceum No. 2" of the Akimat of the North Kazakhstan Region on the basis of “On the change of names of some state institutions of vocational education” dated on January, 9<sup>th</sup>, 2009 №4.

In 2012 - State Institution "Petropavlovsk Professional Lyceum No. 2" of the Akimat of the North Kazakhstan Region was renamed into State Communal Enterprise "Petropavlovsk Mechanical Engineering College" of the Akimat of the North Kazakhstan Region.

Currently, the training of qualified workers is carried out in a dual form with a training period of 2 years 10 months with the assignment of two qualifications in the following specialties:

- Lathe practice and metal working (qualifications: Machine tool operator and Machining controller)
- Operation of machinery and industry equipment (qualifications: Assembly works mechanic and Maintenance technician)
- Electromechanical equipment in industry (qualifications: Automatic and semi-automated machines setup man and Electrician for repair and maintenance of electrical equipment)
- Maintenance, repair and operation of road transport (qualifications: Electrician on automotive electrical equipment repair and Automobile repairman).

Coursework with terms of 1 and 3 months is conducted according to the following qualifications: Lathe operator, Operator of machine tools with program control, Electrician on automotive electrical equipment repair, Automobile repairman.

The contingent of students for the 2018-2019 academic years is 288 students. All students study full-time by state educational order.

For the organization of professional practice, agreements were concluded with 17 social partners (Appendix 3): JSC “Petropavlovsk Heavy Engineering Plant” (a large enterprise manufacturing equipment for oil and gas, oil and gas refining, petrochemical, chemical, gas, energy and other industries), JSC “Kazneftegazmash” (a large enterprise producing wellhead oilfield equipment and valves, counter flanges and fasteners), JSC “MUNAYMASH” (a large enterprise engaged in the production of oil and gas equipment), JSC “ZIKSTO” (a large enterprise engaged in the manufacture of products and spare parts for the needs of the railway), LLP “Raduga” (a large enterprise producing food and plastic and metal products), LLP “VF Poisk” (a medium enterprise producing spare parts for pumps, drilling rigs and swivels), LLP

“AVAGRO” (a medium-sized enterprise manufacturing and upgrading sprayers for agriculture), LLP “Remplazma” (a small enterprise manufacturing spare parts for electric motors and turbogenerators), LLP "Foundation" (a medium-sized enterprise engaged in the construction of buildings and structures), LLP "Prometheus" (a small enterprise engaged in the production of spare parts for agricultural machinery), LLP "SK-Tora" (a small enterprise performing automobile service services), LLP "ZMO" (medium-sized enterprise engaged in the production of drilling rigs, spare parts and auxiliary equipment), LLP “ServiceErgo” (a small enterprise performing repair and maintenance of electric motors, generators and transformers), LLP “Service Station Jeep” (a small enterprise providing automobile service services), LLP “ASTEK-AUTO” (a small enterprise providing automobile service services), Branch of "Esil su" RSE on REM (the main activity of the enterprise is the construction of pipelines for water supply and sewage systems), LLP “Zhigalova Karaguginskaya” (a small agricultural enterprise).

There are 23 teachers and 17 masters of vocational training are involved into the educational process of Engineering College. The percentage of teachers and masters of vocational training with higher and first categories and post-graduate masters is 45% (as of October 1<sup>st</sup>, 2018).

In order to improve the quality of education, the Engineering College collaborates with educational institutions (Appendix 4): RSE at REM “North Kazakhstan State University named after M. Kozybaev”, State budgetary vocational educational institution “Shadrinsky Polytechnic College”, The municipal State treasury enterprise “North Kazakhstan Professional and Pedagogical College”.

For the training of specialists there is a material and technical base: 15 classrooms, 5 laboratories and 5 training workshops, 1 training ground, assembly hall. College Computer Park includes 82 units. 1 computer class with 15 computers and 3 mobile offices with monoblocks are used in the educational process. All computers are connected by a local network, which allows having classes using information and network technologies. College students and teachers are provided with Internet access via a local network and wireless Wi-Fi technology.

There are 2 gyms, a sport ground and a hockey ground for doing sports. The college has a library with a fund of 8781 books.

#### **(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE (1-2 pages)**

SCE "Petropavlovsk Mechanical Engineering College" of Akimat of the North Kazakhstan Region is undergoing the procedure of institutional accreditation of TVE organizations for the first time.

#### **(V) EEC VISIT DESCRIPTION (1-2 pages)**

In order to coordinate the work of the EEC in the college, an assembly meeting was held, during which the powers were distributed among the members of the commission, the schedule of the visit was clarified, agreement on the choice of examination methods was reached.

The meetings of the EEC with the target groups were held in accordance with the updated program of the visit, in compliance with the established time period. The staff of SCE "Petropavlovsk Mechanical Engineering College" ensured the presence of all the persons indicated in the program of the visit.

To obtain objective information about the quality of educational programs and the entire infrastructure of the college, to clarify the content of self-assessment reports the following meetings were held: with director, Deputy Director for Training and Production work, Deputy Director for Academic Work, Deputy Director for Educational work, head of the personnel department, chief accountant, head of the library, chairpersons of the Subject Cyclic Commissions, social teacher, psychologist, teacher-organizer, masters of vocational training,

students, graduates, employers, social partners and parents of students. In total, 152 people took part in the meetings.

Table 2 - Information on participants of meetings with the EEC

<b>Category of the participants</b>	<b>Quantity</b>
Director	1
Deputy Director	3
Chief accountant	1
Head of the personnel department	1
Chairpersons of the Subject Cyclic Commissions	3
Teachers and masters of vocational training	17
Social teacher	1
Psychologist	1
Teacher-organizer of the initial military training	1
Teacher-organizer	1
Head of the library	1
Students	33
Graduates	37
Employers, Social partners	14
Parents of students	37
<b>Total</b>	<b>152</b>

During the work of the EEC, a visual inspection of the college infrastructure was conducted: classrooms, laboratories, production workshops, computer classes, a library, a reading room, a gym, a training ground, food outlets, and others.

Also it was studied the documentation of cycles, departments that implement accredited educational programs.

EEC experts visited the practice bases of SCE "Petropavlovsk Mechanical Engineering College", including accredited programs: JSC "Petropavlovsk Heavy Engineering Plant" (a large enterprise manufacturing equipment for oil and gas, oil and gas refining, petrochemical, chemical, gas, energy and other industries), JSC "Kazneftegazmash" (a large enterprise producing wellhead oilfield equipment and valves, counter flanges and fasteners), JSC "MUNAYMASH" (a large enterprise engaged in the production of oil and gas equipment), JSC "ZIKSTO" (a large enterprise engaged in the manufacture of products and spare parts for the needs of the railway), LLP "Raduga" (a large enterprise producing food and plastic and metal products), LLP "VF Poisk" (a medium enterprise producing spare parts for pumps, drilling rigs and swivels), LLP "AVAGRO" (a medium-sized enterprise manufacturing and upgrading



sprayers for agriculture), LLP "Prometheus" (a small enterprise engaged in the production of spare parts for agricultural machinery), LLP "SK-Tora" (a small enterprise performing automobile service services), LLP "ZMO" (medium-sized enterprise engaged in the production of drilling rigs, spare parts and auxiliary equipment), LLP "Petromashzavod", Individual Entrepreneur "MTK Pukhovskaya S.N.", LLP "ViVaGa-Lada".

The experts got acquainted with the material and technical base of enterprises, visited classrooms, a training ground, a base for disassembling and assembling substations, in which students undergo training and professional practice.

The following representatives met with EEC experts – a representative of LLP "Petromashzavod" Deputy Director Ispaniyarov O.K., a representative of JSC "Petropavlovsk Heavy Engineering Plant" Leading Specialist of the Mechanical Repair Service Guvain D.N., a representative of LLP "Raduga" Technical Director Lee E.V., a representative of LLP "VF Poisk" Leading Process Engineer Abramenko M.S., a representative of LLP "ZMO" Leading Design Engineer Omarov M.Sh., a representative of LLP "AVAGRO" chief engineer Kuzmin E.V., a representative of JSC "MUNAYMASH" chief Technologist Medvedev D.V., a representative of Individual Entrepreneur "MTK Pukhovskaya S.N." Director Pukhovskiy S.N., a representative of LLP "ViVaGa-Lada" Director Kurskov N.N. They told about the requirements for trainee practitioners, the process of professional practice, the requirements for conducting practice and other aspects of interaction with SCE "Petropavlovsk Mechanical Engineering College".

During a visit to the base of practice of the LLP "Raduga", 2nd year students, consisting of 5 people, underwent practical training in this organization under the supervision of the superintendent, Sergey Alekseevich Son and Adilbek Sartayevich Raimkulov, a master of vocational training from the college, according to the academic schedule.

LLP "Raduga" is a large enterprise producing food and plastic and metal products. The specialists of this organization teach students how to work in their future profession and pay great attention to labor education. It is noteworthy that while having practice, students receive a salary of 50-60 thousand tenge, some of the students stay at work during summer holidays.

It was visited the base of practice of the specialty 111203 2 - "Maintenance technician".

While visiting LLP "Petromashzavod", a large enterprise producing wellhead oilfield equipment and valves, counterflanges and fasteners, Deputy Director, Osarbek Kashkymovich Ispandiyarov, noted that the theoretical and practical knowledge obtained at the college helps students in practical activities. He also acquainted the EEC with the material and technical base of the organization, provided accompanying documents on the practice.

There were presented the graduates of past years working in LLP "Petromashzavod". Yevgeny Kargapolov, a graduate of 2018 in specialty "Machine tool operator", after the practice was hired as a locksmith of the 3rd category. At the moment, he continued his studies at the Omsk State Technical University on a specialty of "Mechanical Engineering".

When visiting JSC "Petropavlovsk Heavy Engineering Plant", a 2015 graduate of specialty "Maintenance technician" A. Bekturov expressed his gratitude to the college for organizing the 3rd year professional practice.

When visiting the enterprise JSC "MUNAYMASH", a 2-year student D. Raschypkin and a 3-year student V. A. Lukin of specialty 1115000 – "Electromechanical equipment in industry" passed the practice. Students were satisfied with the conditions of practice, expressed gratitude to the college teachers - Schukin V.L. and Maslov A.V. for good theoretical training and practical skills.

Also, members of the EEC received confirmation from employers that enterprises not only provide jobs for the period of production practice, but also participate in adjusting the content of educational work plans and programs. The management of enterprises provides qualified employees to participate in the qualification commission of the final qualification exams. College staff undergo internships at enterprises.

EEC members attended classes on accredited educational programs. It was attended a laboratory-practical lesson in group A 11 of specialty 120106 - "Electrician on automotive electrical equipment repair", on the topic "Balancing and tire fitting of car wheels". This practice was conducted by a teacher of the first category, Andrei Vladimirovich Orlenko, 11 students from 11 attended the lesson. The workshop is equipped with a partial material and technical base for this qualification. The topic of the lesson fully agreed with the thematic plan and a work program. Students carried out a practical task according to the technological map of the lesson.

It was attended a practical lesson in technical drawing on the topic "Threaded connections" in the specialty 111203 2 - "Maintenance technician". The lesson was conducted by a teacher without a category Nurgaliyev Asan Dulatovich, 11 students from 12 attended the lesson. The cabinet is equipped with computers and multimedia equipment (projector, screen, speakers). Lesson number 30 (according to the technological map) is considered by the teacher as a test session.

Among the methods and techniques for conducting the lesson were used: testing students for knowledge of the theory on the subject "Technical Drawing" with a list of questions with a choice of an answer, calculation according to the options for the parameters of the threaded connection (bolt, washer, and nut), drawing a standardized product according to the calculated parameters. The teacher conducted the results of the lesson using interactive technologies and a method of constructing the "Tree of Success". In general, the goal of the lesson was achieved, the use of a variety of methods and techniques of pedagogical activity of the teacher allowed him to test students' knowledge of the subject.

EEC members attended a laboratory lesson in the group EM-18 of specialty 1115000 – "Electromechanical equipment in industry". Teacher V. Shchukin conducted a laboratory lesson in the discipline "Installation of electrical equipment" on the topic "Installation of an electrical panel. One-line diagram of a 2-room apartment". There is 25 students in the group. The lesson was held for the first subgroup of 12 students. The long-term thematic plan corresponded to the working curriculum, a detailed lesson plan was available. A technological map and methodical recommendations for the implementation of the laboratory work were used at the lesson. Interdisciplinary communications with physics were traced. It was conducted a frontal student survey.

The teacher identified the objectives of the lesson and announced the topic. He explained the material and the task for self-fulfillment competently and informatively. The steps of the lesson are kept up. Special terms, additional information, examples from practice and everyday life were used a lot. The teacher created problem situations in the lesson so that students could make analysis and draw conclusions. Students completed assignments on time, defended reports on their works. The teacher gave marks to all students, summed up the lesson.

In general, the analysis of attended classes indicates a good quality teaching staff, a sufficient theoretical and practical level of training, but nevertheless, improvement is required in some situations.

Educational programs comply with the license and qualification requirements. The norms prescribed by law and described in the college self-report are confirmed during the visit of the EEC. The content of educational programs and educational technologies comply with the standards, adapted to the needs of the population and employers, and are periodically updated in accordance with changing conditions.

All conditions were created for the work of the EEC, access to all necessary information resources was organized.

Within the framework of the planned program, the primary key recommendations for improving college activities developed by the EEC based on the results of the examination were presented at a meeting with the college management. The following procedures were explained to the college management at the final meeting.

The activities, planned during the visit, allowed the members of the EEC IAAR to conduct an independent assessment of the compliance of the data, presented in the college self-assessment reports, with the criteria for specialized accreditation standards.

A detailed analysis of the conformity of the activity of SCE "Petropavlovsk Mechanical Engineering College" with the Standards of institutional accreditation of the IAAR allowed the EEC, within the framework of the college visiting program, to draw the following conclusions in terms of standards.

## **(VI) COMPLIANCE WITH INSTITUTIONAL ACCREDITATION STANDARDS (20-40 pages)**

### **6.1. Standard "Vision, Mission and Strategy"**

- *The organization of the TVE demonstrates the development of a mission, vision and strategy based on the analysis of the real positioning of the education organization and its orientation to meeting the needs of the state, employers, stakeholders and students.*
- *The TVE organization should demonstrate the individuality and uniqueness of the mission and strategy.*
- *The TVE organization should ensure the adequacy of the mission, vision, strategy of the available resources (including financial, informational, personnel, material and technical base), labor market needs and educational policy of the Republic of Kazakhstan.*
- *The TVE organization should involve representatives of stakeholder groups, including students, teachers and employers, to the formation of a mission, vision, and strategy.*
- *TVE Organization shows the transparency of the formation processes of mission, vision, strategy.*
- *The TVE Organization provides information to stakeholders about the content of the mission and the strategy and the processes of their formation.*
- *The TVE organization should determine the mechanisms for the formation and regular revision of the mission, vision, strategy and monitoring of their implementation.*
- *The vision, mission and strategies should be consistent.*
- *The TVE organization carries out strategic, tactical and operational planning and resource allocation processes in accordance with the vision and mission.*
- *The TVE organization collects, accumulates and analyzes information on its activities and conducts self-evaluation in all areas, based on the development and implementation of measurement processes, analysis to assess the success of the implementation of the TVE organization strategy through such indicators as "performance" and "efficiency."*
- *The TVE organization should develop detailed documentation on specific areas of its activity and processes, based on the strategy.*

#### **Evidence part**

The mission of the college is to train competitive specialists for engineering enterprises, taking into account the needs of industrial and innovative development of the country.

The vision of the college is to create a unified educational and production environment that provides early profiling, individual development of students and high quality education at all stages of training.

The basis for the formation of the mission, vision and strategy of the college was the State Program for the Development of Education of the Republic of Kazakhstan for 2016-2019, the State Program for Industrial and Innovative Development of Kazakhstan for 2015-2019, Address from the First President of the Republic of Kazakhstan - Leader of the Nation N.A. Nazarbayev to the people of Kazakhstan: the "Kazakhstan-2050" Strategy: a new political course of the established state."

The development strategy of the Mechanical Engineering College is inextricably linked with the development of industry in the North Kazakhstan region and is aimed at fulfilling the goals and objectives of the state educational program.

College Educational Programs' Development Plan:

- Corresponds with national development priorities and strategic development priorities of the college;
- Takes into account the proposals of interested parties (employers, students, graduates, etc.);
- Takes into account the requirements of the labor market of the North Kazakhstan region;
- Takes into account the needs for training specialists, as well as the key requirements of stakeholders.

When developing strategic documents, the administration conducted an analysis of the college's real positioning in the educational services market, and a prognosis for the development of the educational services market. Assessment of factors in the analysis of the college's competitive position in the region: consumer interest, area of preferred interests, college competition in the regional market, current state of the labor market, state regulation of educational activities, demographic, economic and social situation in the region, staff analysis, financial condition, scientific potential, condition of the material base and security of the educational process, etc.

At the present stage, the economic development of the country and the North Kazakhstan region in particular, is characterized by significant positive changes. There is an increase in production volumes, including the field of engineering. Enterprises update their equipment fleet and acquire high-tech machine tools. Efficiency of the economy, based on the scale of production, gives way to innovation, the production of high-tech products and services. Labor requirements are changing.

The main competitors for the training of skilled workers in the specialty "Maintenance, repair and operation of road transport" are the North Kazakhstan Professional and Pedagogical College and the Humanitarian and Technical College. At the same time, the strengthening of the material and technical base in the specialty with modern equipment and the development of the second qualification "Electrician on automotive electrical equipment repair" give the college an advantage over other educational institutions. There is no competition in other specialties, since the training of specialists for the machine-building industry in the specialties "Lathe practice and metal working", "Operation of machinery and industry equipment" and "Electromechanical equipment in industry" is conducted only at the Mechanical Engineering College.

The advantages of the Mechanical Engineering College include the following criteria:

- Practical orientation of college education.
- Modern material and technical base corresponding to the industrial enterprises of the region.
- Obtaining two qualifications upon graduation.
- Development of social partnership.
- High potential of personnel (80% of masters of industrial training are from production).

The mission, vision and strategy of the college were discussed at the meetings of the cyclic commissions, methodological council and board of trustees. The discussion was carried out with the involvement of all interested parties: teachers, students, employers, representatives of the regional chamber of entrepreneurs, and the parent community.

The strategic plan for the development of the college for 2018-2023 developed by the working group was reviewed and adopted at a meeting of the pedagogical council (protocol No. 1 dated on 29.08.2018).

To implement the strategic plan of the college, medium-term and long-term plans are drawn up. Every year in June a draft of comprehensive college work plan for the next academic year is drawn up; in August it is supplemented and approved at a meeting of the pedagogical council.

### **Analytical part**

The analytical part is formed based on the results of the analysis of the compliance of the evidence with the criteria of the IAAR Standard. Describes possible causes or provides explanations of the conformity or non-compliance of the TOE and / or EP with the criteria of the IAAR Standard.

EEC members noted that the college has sufficient transparency of the content of the main strategic documents for all interested parties: public discussion with representatives of all interested parties, discussion at meetings of collegial bodies and posting on the website (<https://mkp.sqo.kz>). In order the information about the team was open and available, the site also contains the necessary information about the teaching staff of the college.

The regularity of collegial meetings was also confirmed: meetings of the pedagogical council, board of trustees, operational meetings with the director.

It can be noted that the chosen policy and development priorities of the college allowed occupying a certain place in the field of education for the training of specialists who meet the requirements of the labor market.

The development of general competencies covers: general education, socio-ethical competencies, economic and organizational and managerial competencies; willingness to fulfill social, economic, professional roles, geographical and social mobility in accordance with the level of education.

Special competencies are acquired by students in the study of special subjects, the protection of course projects, educational, technological and undergraduate practices.

An anonymous survey of teachers conducted during the visit of the EEC IAAR showed that involvement in the process of making managerial and strategic decisions is “very good” 26.7% and “good” –53.3%.

Moreover, the vast majority of teachers believe that the mission and strategy of the college is successfully reflected in the curriculum and assessment procedures (total average 100%). Also, 100% of teachers said that they can successfully use their own strategies in the learning process.

A survey of students conducted during the visit of the EEC IAAR showed that

- The level of accessibility and responsiveness of the college administration is assessed as high - 100%;

- The availability of computer classes and Internet resources - "fully satisfied" - 76.5%, partially satisfied-20.6%.

The vast majority of students (88.2%) are satisfied with the level of implementation of these rules and EP strategies.

**EEC notes that according to this standard in the educational institution, special attention is paid to the following positions:**

– EP leadership demonstrates the development of a mission, vision and strategy based on an analysis of the real positioning of the educational organization and their focus on meeting the needs of the state, interested individuals and students;

– EP management attracts representatives of stakeholder groups, including students, teachers and employers, to formulate a mission, a vision, and a strategy;

– EP leadership demonstrates the transparency of the processes of mission formation, vision, strategy;

– EP management ensures that stakeholders are informed about the content of the mission and strategy and the processes of their formation;

– Vision, mission and strategies are consistent.

**In order to continue further development and improvement of the college activity in implementing accredited educational programs, EEC IAAR recommends:**

- To orient the results of the analysis of the implementation of strategies on such indicators as “effectiveness” and “efficiency”;

- To exclude formalism and prepare a provable and measurable process for engaging various stakeholder groups to formulate college missions, visions and strategies.

***The EEC notes that the college's institutional profile under this standard contains 7 strong positions, 4 satisfactory.***

## **6.2. Standard "Leadership and Management"**

- *Management of a TVE organization should include:*
  - *management of activities through processes;*
  - *mechanisms for planning, development and continuous improvement;*
  - *risk assessment and identification of ways to reduce these risks;*
  - *monitoring, including the establishment of reporting processes;*
  - *analysis of identified non-conformities, implementation of the developed corrective and preventive actions;*
  - *analysis of the effectiveness of changes;*
  - *evaluation of the effectiveness and efficiency of the activities of the structural units and their interaction.*
- *The structure of a TVE organization should be in line with the organization's development strategy.*
- *The organization of the TVE should ensure the availability of documents on the organizational structure and management.*
- *The organization of the TVE should document all the main business processes.*
- *The organization of the TVE should demonstrate a clear definition of those responsible for business processes, unambiguous distribution of the duties of the staff, delineation of the functions of collegial bodies.*
- *The organization of the TVE should ensure the availability of an information and feedback system.*
- *The organization of the TVE should establish the periodicity, forms and methods of assessing the activities of collegial bodies and structural units, as well as of top management.*
- *The organization of the TVE should ensure the management of the educational process through the management of individual EPs.*
- *The organization of the TVE should demonstrate the successful functioning of the internal quality assurance system of the TVE organization.*
- *An important factor is the availability of a certified QMS and its continuous improvement.*
- *An important factor is the availability of information systems and databases, the use of the Internet for information, the existence of a portal and / or the Internet site.*
- *Participation of stakeholder representatives (employers, teachers, students) in the collegial management bodies is an important factor.*
- *The organization of the TVE should demonstrate mechanisms for resolving conflicts of interest and relations, by accessing information on compliance/violations and the availability of a feedback system, consideration in the management bodies, effective activities of the disciplinary bodies and the motivation system.*
- *The TVE organization should ensure that the satisfaction degree of the needs of teachers, staff and students is met and demonstrate evidence of the elimination of deficiencies found in the measurement process.*
- *The TVE organization should demonstrate evidence of the openness and accessibility of managers and administrations for students, teachers, parents (blogs in the educational organization's website, official reception hours on personal matters, e-mail communication, etc.).*

The activity of SCE "Mechanical Engineering College" is carried out in accordance with the following documents:

- certificate of state re-registration of a legal entity Series B № 0670179 dated on September 10<sup>th</sup>, 2012 (registration number 560-1948-01-GU);
- Charter of SCE "Petropavlovsk Mechanical Engineering College" registration number № 228 dated on August, 24<sup>th</sup> 2012 (Appendix 1);
- state license to engage in educational activities №12019460 dated on October 18<sup>th</sup>, 2012 and an appendix to the license №001-005 for technical and vocational education in the following specialties and qualifications (Appendix 2):

College management is based on the principles of the process approach, when the unification of the efforts of the team to achieve strategic objectives is recognized as a process, a series of continuous interrelated actions, managerial functions.

The quality assessment of the leadership and management of the college is carried out by analyzing, discussing the orders of the director, questioning employees, students and employers on pedagogical and trustee councils. The analysis of the conformity of professional qualifications of the college management is carried out during the state certification of the college, during the carrying out of the rating of colleges in the North Kazakhstan region, during the preparation and conduct of college reports at regional events (meetings of the board of the Education Department of the Akimat of the North Kazakhstan region, conferences, August conferences, etc.).

The activities of the college and its structural units are based on planning, which combines strategic, tactical and operational planning.

The College's Strategic Development Plan is developed by a special working group and is discussed at all levels, is reviewed by the pedagogical council and approved by the director. The basics of strategic planning are further projected onto the structural units and functional process areas of the college.

Unit plans relate to tactical plans. Tactical plans correspond to policies and strategies, are determined by the organizational structure, staffing, are aimed at satisfying a complex of key processes, determine goals, means and achievable results for the current academic year. They reflect the types and volumes of events, the necessary resources in the areas of activity (the development of educational and methodological support for the educational process, the implementation of continuing education plans for the staff, the development of the material and technical base, the acquisition of the library fund, etc.).

The main document defining the work of each teacher is a compiled annually individual teacher's work plan.

EEC experts note that the college has formed an optimal system of management and determination of responsible persons. The functional distribution of responsibilities between managers covers all the main activities of the college and allows implementing its development strategy successfully.

During the study of internal activity documents and in a conversation with the administration, it was also noted that the main tasks of the management system of the college are the creation and distribution of resources (human, material, technical, financial), providing effective feedback. The teaching staff has a normal psychological climate, a corporate culture, which is one of the priority areas of the head's work, and is manifested in taking into account the interests of both the college itself and its employees, is approved. As a positive result of this activity it can be considered the absence of collective and individual labor disputes, the normal functioning of all departments supporting the educational process and the absence of conflicts between the teaching staff and students.

It was confirmed that in order to determine the level of student and staff satisfaction, meetings with the director, deputies, and various forms of the survey are periodically held. There are schedules for college management appointments and alternate personal issues.

The members of the EEC note the flexibility of the organizational structure that allows the college to respond to changes in the external environment quickly and maintain a high rate of modernization of various activities.

At the same time, experts note a rather high level of work in attracting employers to participate in collegial bodies and in assisting in the employment of graduates.

The work of the college provides feedback - anyone, student or parent, can directly contact the curator, teacher, deputy director and director. A student or parent who wants to receive information about grades has entire right to contact subject teachers, curators, and department heads. There is a special page "Director's Blog" on the college website; any visitor can ask his question to the director of the college and get an answer to the question as soon as possible. The college staff adheres to a policy of openness and readiness for direct dialogue with all participants in the educational process of the college.

**EEC notes that according to this standard in the educational institution special attention is paid to the following positions:**

- EP management ensures that its structure matches college development strategies;
- EP management ensures the availability of documents on the organizational structure and management of the college;
- EP management demonstrates a clear definition of those responsible for business processes, an unambiguous distribution of the duties of personnel, and delimitation of functions of collegial bodies;
- the availability of information systems and databases, the use of the Internet to inform, the presence of a portal and / or Internet site;
- participation of representatives of interested parties (employers, teachers, students) as part of collegial management bodies;
- EP management demonstrates evidence of openness and accessibility of leaders and administration for students, teachers, and parents (blogs on the website of the educational organization, official reception hours on personal issues, e-mail communication, etc.).

**In order to continue further development and improvement of the college activity in implementing accredited educational programs, EEC IAAR recommends:**

- to consider the possibility of certification of a quality management system;
- to put into practice the use of the results of monitoring the implementation of the strategic plan;
- to improve the processes of measuring and analyzing the effectiveness and efficiency of college activities to assess the success of the implementation of the strategy;
- to continue working on further improvement of the mission, the strategic plan of the college with the participation of all interested parties (teachers, employers, graduates, etc.).

*The EEC Commission notes that the institutional profile of the college under this standard contains 6 strong positions, 10 satisfactory and 5 require improvement.*

### **6.3. Standard "Educational Programs"**

- *The organization of the TVE shall provide evidence of the participation of the teaching staff and employers in the design and management of the EP, and the assurance of their quality.*
- *The organization of the TVE should determine the content, scope, and logic of the curriculum, aimed at forming the professional competence of graduates.*
- *The organization of the TVE should demonstrate the influence of the disciplines on the formation of the students' professional competence, skills and blocks of knowledge.*
- *The organization of TVE should demonstrate the logic of curriculum development and learning programs.*



- *The list and content of the disciplines shall be accessible to the students. Disciplines should exhaustively cover all pressing issues.*
- *In the structure of the EP, various types of activities should be envisaged, the content of which should contribute to the development of students' professional competencies, taking into account their personal characteristics.*
- *The organization of TVE should ensure equal opportunities for students, regardless of the language of instruction.*
- *An important factor is the renewal of the EP, taking into account the interests of employers aimed at developing professional skills.*
- *Training equipment and software used to implement educational programs should be similar to those used in the relevant industries and meet safety requirements for operation.*
- *The TVE organization must demonstrate the effectiveness of the regular analysis of the sufficiency and modernity of the available educational resources*
- *For the implementation of the EP, the TVE organization should involve practitioners and determine the proportion of the disciplines they teach.*
- *The organization of the TVE should ensure the objectivity of the assessment of knowledge and the degree of formation of students' professional competence, the transparency and adequacy of tools and mechanisms for their evaluation.*
- *The organization of the TVE should provide a mechanism for internal quality assessment and examination of the EP, as well as feedback for their improvement.*
- *The organization of TVE should ensure that the maximum number of structured, organized information available for students in the disciplines: for instance, presentation materials, lecture notes, compulsory and additional literature, practical assignments, etc.*
- *An important factor is the introduction and effectiveness of active learning methods and innovative teaching methods.*
- *The organization of the TVE should ensure the availability and effective functioning of the system of individual assistance and counseling of students on the issues of the educational process.*

The content and structure of the College EP is developed in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated on October 31<sup>st</sup>, 2017 No. 553 "On the approval of standard curricula and standard curricula for the specialties of technical and vocational education", and the Order of the Minister of Education and Science of the Republic of Kazakhstan dated on June, 15<sup>th</sup>, 2015 No. 384 "On the Approval of Model Curricula and Model Educational Curricula in Technical and Vocational Education Specialties" and by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated on October 31<sup>st</sup>, 2018 No. 604 "On approval of state compulsory standards of education at all levels of education."

Since 2018, the college has been working on the development of educational programs based on a modular competency approach (Appendix 14). To form the EP, working groups were created in the areas that included masters of industrial training and teachers of special disciplines (Appendix 15). At the final stage of the development of the EP, the coordination of work curricula and work training programs for professional modules with social partners was ensured. JSC "Petropavlovsk Heavy Engineering Plant", which is the basic partner in the implementation of dual training, "Rainbow" LLP, and "SK-Tora" LLP were selected for approval of the EP.

Specialists of the enterprise JSC "Petropavlovsk Heavy Engineering Plant" (Linnik Stanislav Anatolyevich - the head of the group, Sklyarov Vladimir Nikolaevich - the head of the bureau, Tyukanko Elena Nikolaevna - the head of the quality department, Taranina Tatyana Yurievna - leading specialist) conducted an examination of the developed EP. After making changes and additions, working curricula and work training programs for professional modules

were considered at a meeting of the pedagogical council and approved by the director of the college.

In particular, according to the recommendations of specialists of JSC “Petrovavlovsk Heavy Engineering Plant” and “Rainbow” LLP, additions were made to the educational program in the specialty “Turning and metalworking”, opening up new competencies for graduates, allowing them to carry out the processing of parts on machine tools with program control and injection molding on injection molding machines.

When forming the content of the study program, the college takes into account the requirements of the state compulsory standard of technical and vocational education, standard curricula and standard training programs of specialties.

The content and structure of the EP are annually reviewed and updated. Teachers and employers take part in the processes of updating the college's educational program. Developed EPs are considered at meetings of the CMC and the pedagogical council and approved by the director.

The structure of the EP is developed quite flexibly, which responds to changes in the labor market regarding both technology and the organization of labor.

Enterprise specialists who annually mentor college students during their professional practice and who take part in the final certification of graduates are involved as experts for updating the EP for the employers' requirements. Employers' proposals are accepted verbally and in writing, in absentia and at joint meetings.

The developed work curricula and work training programs for professional modules ensure the continuity of their content; take into account the logic of the academic relationship of modules and disciplines, their sequence and continuity. Working curricula have a rational distribution of modules and disciplines by semesters, the effective use of human resources, material and technical base, the optimal ratio of different types of classes and the optimal ratio of the volume of classroom classes and extracurricular activities of students.

The relevance and modernity of the content of professional modules, compliance with the specialty areas is achieved by the inclusion of modern working methods and modern technologies by teachers into the study of modules. The main method, by which teachers maintain the relevance of the content of professional modules, is to study the production of enterprises of social partners through the organization of systematic excursions and internships.

Table 2 - Modules and disciplines of educational programs included in the work curriculum at the suggestion of employers

№	Company name	Names of modules and disciplines
1	JSC “Petrovavlovsk Heavy Engineering Plant”	Equipment and tools for electrical work
2	LLP “Rainbow”	Basics of plastics processing technology
3	LLP “SK-Tora”	Installation of security systems and additional equipment of the car
4	Branch of "Esil su" RSE on REM	Repair, assembly and testing of components of various equipment

The basis for the introduction of modules and disciplines into the working curriculum is the fulfillment of the new requirements of the Ministry of Education and Science of the Republic of Kazakhstan, the fulfillment of new requirements for professional competence in accordance with the Model curricula of the specialty, and the fulfillment of the requirements of employers. At the same time, cyclic methodological commissions analyze a new module and a discipline according to the criteria:

- A module and a discipline should be aimed at achieving competencies specific to the specialty;

- A module and a discipline should reflect modern advances in science;
- Learning outcomes of a module and a discipline should be relevant and meet the requirements of the modern labor market.

In addition to the inclusion of new modules and disciplines in the work curricula, at the request of employers, changes and additions are made to topics and sections in individual disciplines, including industrial training and professional practice. So, at the request of the Branch of "Esil su" RSE on REM, in order repair technicians to receive skills in the maintenance and repair of pipelines for water supply and sewage systems, work related to the repair of pumps and pipe fittings and the welding of polypropylene pipes have been included in production training. To obtain the wide profile of the necessary knowledge about plastics by machinists, the discipline "Materials Science" includes a section describing polymers and industrial thermoplastics.

Educational programs are structured in such a way that, starting from the first year, students along with the disciplines of the general education cycle study professional modules, consolidating theoretical knowledge with industrial training in the laboratories and workshops of the college. In the second and third courses, students alternate theoretical training in college with professional practice in enterprises. The educational process is structured in such a way that 60% of the volume allocated for the study of professional modules is occupied by industrial training and professional practice.

The content of professional modules and disciplines of EP is based and has a clear relationship with modern equipment and technology of mechanical engineering. The use of information technology helps to improve the quality of the educational process and the formation of readiness for professional activities, the formation of information modeling skills, and the need for continuing education.

The equipment of the workshops and laboratories of the college meets the needs of the EP and is comparable with the equipment of industrial enterprises in the region. In the specialties "Lathe practice and metal working", "Operation of machinery and industry equipment", the college has a machine tool, metalwork, welding workshop, a workshop of CNC machine tools and a special technology office. These classrooms are equipped with modern training and production universal turning, milling, drilling machines, CNC turning and milling machines with the Sinumerik 808d system, devices for manual arc welding, gas welding and cutting and semi-automatic welding. In the specialty "Maintenance, repair and operation of road transport", a laboratory for technical maintenance and diagnostics of cars, cabinets of special technology function. These audiences are equipped with lifting and handling equipment, stands for maintenance and diagnostics of the car engine, chassis, transmission, electrical equipment and electronic control system for the car, units, mechanisms and components of cars. In the specialty "Electromechanical equipment in industry" there are an electrical workshop, a laboratory of electrical machines and electric drives, a laboratory of power supply, relay protection and automation, a training ground. These audiences are equipped with wiring tables, a cabinet for electricity metering, a "House plan with a lighting network" model, electric motors, an electrical substation, stands for 35 laboratory and practical work in the area of "Electrical machines and power supply to industrial enterprises", an elevator assembly model and stands for the basics of automation. At the beginning of the school year, a work plan for the year is developed for specialized audiences.

**EEC notes that according to this standard in the educational institution special attention is paid to the following positions:**

- EP management should provide equal opportunities for students, regardless to the language of study;

**In order to continue further development and improvement of the college activity in implementing accredited educational programs, EEC IAAR recommends:**

- to develop managing mechanisms to stimulate and motivate the professional and personal development of college teachers;

- to improve the work of the rating system of teachers for effective management of both the system for increasing the professional growth of teachers and effective management of the quality of educational services provided;
- to carry out corrective actions based on the results of monitoring the satisfaction of the teaching staff to improve the effectiveness and quality of the educational process of the college;
- to expand the opportunities for advanced training and professional development of the teaching staff.

#### **6.4. Standard “Teaching staff and the efficiency of teaching”**

- *The organization of the TVE should ensure that the teaching staff is in compliance with the qualification requirements and the specifics of the EP.*
- *The organization of the TVE should demonstrate recruitment based on the analysis of the demands of the EP.*
- *The organization of the TVE should demonstrate the availability of information on the teaching staff to the public.*
- *The organization of the TVE should demonstrate compliance with the principle of management accessibility and transparency of all personnel procedures.*
- *The organization of the TVE should ensure monitoring of pedagogical activity, systematic assessment of the competence of teachers, and a comprehensive assessment of the teaching quality.*
- *The workload of the teacher should include various activities.*
- *The organization of the TVE shall demonstrate evidence of the performance of all types of planned workload by the teachers.*
- *The organization of the TVE should demonstrate the availability of a system of professional development, professional and personal development of the teaching staff and administrative and managerial personnel.*
- *The organization of TVE should provide targeted actions to develop the competence of young teachers and the formation of a personnel reserve.*
- *The organization of TVE should ensure monitoring of the satisfaction of the teaching staff.*
- *The organization of TVE should demonstrate the involvement of the teaching staff in practical issues related to specialization.*
- *The organization of TVE should demonstrate the IT competence of members of the teaching staff, the use of innovative methods and forms of training.*
- *An important factor is the participation of the teaching staff in the life of society.*

The teaching staff is the main resource for the mission of the college. In this regard, increased attention is paid to the selection and training processes. The personnel policy is carried out in accordance with the main priorities of the college strategy.

Qualification requirements for the teaching staff are determined by the Typical qualification characteristics of the positions of teachers of the system of technical and professional, post-secondary education No. 338 dated on July 13<sup>th</sup>, 2009.

Qualification requirements for the teaching staff are as follows:

- the presence of a diploma of higher professional or secondary vocational education that meets the qualifications of the EP;
- the presence of production experience;
- availability of certificates of completion of PC courses, internships;
- the presence of a category;
- knowledge of legislation and regulations of the Republic of Kazakhstan, the presence of a portfolio.

The selection of the teaching staff is influenced by the specifics of the educational program, the basic subjects for each specialty, as well as whether the teacher has a diploma of higher professional or secondary professional education, the corresponding (related) specialty and qualification.

The compliance of the teaching staff with qualification requirements is ensured on the basis of a diploma of education and the specifics of the educational program.

The competition for job placement of teachers and masters of vocational training takes place on the basis of an interview with the director of the college, the inspector of the personnel department, as well as deputy directors, who determine his compliance with the requirements, the competence of the teacher, and the level of professional training.

Monitoring the compliance of teachers in the course of their professional activity is carried out on the basis of classes attended by the college administration.

To ensure the compliance of the teaching staff with the requirements of the strategy, the college teachers will continue to upgrade their categories, continue study on the Master degree, as well as further training and internships of the college teaching staff.

The needs of EP in teachers are determined on the basis of vacancies, availability of hours in subjects, number of students. The selection of personnel is carried out by the college administration, the personnel inspector, the commission for determining seniority by campaigning for graduates of universities, posting advertisements in the media, Internet resources, etc., based on the principle of openness, equality, freedom of choice.

The college is also working on the training of its own personnel, the best are selected from college students and sent to study at the university. They are constantly in contact, attracted to participate in competitions, as well as preparing students for college competitions. Young teachers who have come to work to the college are also actively supported. Favorable working conditions are created for them, there are mentors fixed, who actively share their experience. Training on Master degree is supported.

Information about the teaching staff is available to the public and is located on the college website at [mkp.sqo.kz](http://mkp.sqo.kz).

On the site you can find out education, taught subject, qualifications and email address of teachers. The college also has a catalog of the teaching staff, from which you can find out the necessary information about teachers.

College administration is available to the teaching staff and the public. The director of the college, as well as his deputies, conducts a reception on personal issues according to the schedule of admission. Also there are the e-mail addresses of the college management on the college website; a director's blog is working, where everyone can ask any questions of interest.

Also, all personnel procedures are absolutely transparent and strictly regulated by orders, acts, instructions and orders of the first head of the college. In the orders of the college there is an obligatory clause - the signature of the employee on familiarization and consent.

Job advertisements are posted on employment websites, the city labor exchange, the media, employment agencies, social networks, and are announced to the team. Applicants are approved collectively, in accordance with the job descriptions.

The activity of the teaching staff is constantly monitored, as well as a systematic assessment of the competence of teachers and a comprehensive assessment of the quality of teaching.

Every week, on Mondays, meetings are held with the director for the administration, and on Tuesdays - a general meeting for the entire teaching staff, at which teachers discuss issues of interest, plan work for a week.

There is also a schedule of the college administration for admission on personal issues.

The college provides transparency of personnel procedures. For this, job advertisements are posted on employment websites, the city labor exchange, the media, the employment office, social networks, and are announced to the team. Applicants are approved collectively, in accordance with the job descriptions.

College teachers can also get acquainted with personnel procedures, which are strictly regulated by orders, acts, instructions and orders of the first head of the college. In the orders of the college there is an obligatory clause - the signature of the employee on familiarization and consent. All personnel procedures are carried out on the basis of: the Labor Code of the Republic of Kazakhstan, the Law "on Education" of the Republic of Kazakhstan, the Charter, standard qualification characteristics, job descriptions, pedagogical ethics rules, job descriptions, the anti-corruption standard, and the rules of academic honesty.

The requirements of the Labor Code of the Republic of Kazakhstan, the law "On Education" of the Republic of Kazakhstan are mandatory. Holidays are provided in accordance with the vacation schedule approved at the beginning of the calendar year.

Staff turnover in college is not observed. Dismissals of employees occur rarely, namely in the case of a change of place of residence, retirement, less often due to health reasons and in case of a change of job.

The workload of college teachers includes various types of activities: academic, academic-methodological, research, educational, social work, as well as advanced training. All types of activities are defined in the individual work plan of the teacher, master of industrial training.

The workload of a teacher (master of industrial training) is planned on the basis of the strategic plan for the development of the college, as well as the work plan of the college for the academic year.

Monitoring teachers' performance of all types of work is carried out on the basis of reports of teachers at meetings of cycle methodical commissions and pedagogical councils.

At the end of each semester and academic year, teachers provide reports on the completed academic, educational, methodical, research work and other types of work planned at the beginning of the academic year, which are reviewed and analyzed at meetings of the CMC meetings, methodological and pedagogical councils of the college.

The college has a system of advanced training, professional and personal development of the teaching staff and administrative staff.

In order to improve the qualifications, professional and personal development of the teaching staff and administrative and managerial personnel, the teaching staff undergoes further training at JSC National Center For Professional Development «Orleu», Non-commercial Joint Stock Company "Holding "Kasipkor", studies on Master degree, has practice at enterprises, and also attends seminars.

The college administration motivates professional and personal development, as well as advanced training of teachers, through the possibility of mastering new innovative methods and technologies in training, participation in competitions. Along with that, college administration provides thankful letters, letters of appreciation for active participation in professional contests and public life of the college, as well as upgrading the rating of a teacher at college.

The college is taking active steps for the development of young teachers, as well as the formation of a personnel reserve.

Much attention is paid to the adaptation of new employees. To do this, each new employee is assigned a mentor from the most experienced teachers who work with him on the basis of the mentorship clause (Appendix 11).

In addition, for the adaptation, formation, development, self-development of a young novice teacher, according to the regulations on the school of a young teacher, the "School of a young teacher" operates where they are trained in the preparation of educational documentation; the creation of EMC; organization and conduction of lessons. Mentors and a college methodologist attend classes of young college teachers, provide all kinds of help. Thus, the conditions are created for self-actualization, the acquisition by them of the practical skills necessary for the implementation of pedagogical activities, and the consolidation of young teachers in the team.

For further development of their professional competence, young college teachers attend classes and extracurricular activities, master classes of experienced teachers.

In order to increase the motivation of young teachers to teach, competitions and festivals, as well as creative reports of young teachers are held. By participating in competitions, young teachers are aware of their capabilities, abilities, personal and professional qualities. They provide an opportunity for a teacher to comprehend his activity in a new way, to receive its professional expertise, to test and overcome himself.

A survey of teaching staff conducted during the visit of the EEC IAAR showed that:

- teachers are satisfied with the content of the educational program - “very good” 40% and “good” - 60%
- the level of feedback of teachers with college administration is satisfied at "very good" - 46.7%, "good" - 46.7%;

A survey of students conducted during the visit of the EEC IAAR showed that students are completely satisfied:

- the attitude of students and teachers - 94.2%;
- objectivity and fairness of teachers - 97%;
- teacher’s presentation of the material in an interesting form - 97.1%;
- the relevance of the taught material - 91.2%;
- teacher's objectivity in assessing achievement of students - 97%;

Analyzing the work on the standard “Teaching staff and the effectiveness of teaching”, it can be noted that a high representation of pedagogical skills is determined by a constant level of professional development and attendance of various schools and creative classes. Despite the high qualification of teachers, the methodological work should be strengthened.

Accessibility and awareness of the public about the work of the teaching staff is not a strong indicator of the college, so it is necessary to conduct a systematic assessment of the teaching staff by the college administration, but not according to the results of implementation of individual plans.

**EEC notes that according to this standard in the educational institution special attention is paid to the following positions:**

- EP management must demonstrate the compliance of the potential of the teaching staff with the specifics of educational programs;
- The workload of teachers should include various activities. EP management should demonstrate evidence of the fulfillment by teachers of all types of the planned workload;
- EP management must ensure that the satisfaction of the teaching staff is monitored;
- An important factor is the participation of the teaching staff in society’s life.

**In order to further development and improvement of the college activity in implementing accredited educational programs, EEC IAAR recommends:**

- to improve the work of the rating system of teachers for effective management of both the system for increasing the professional growth of teachers and effective management of the quality of educational services provided;
- to carry out corrective actions based on monitoring the satisfaction of the teaching staff to improve the effectiveness and quality of the educational process of the college;
- to expand the opportunities for advanced training and professional development of teachers;
- to develop and implement a system for improving the educational and methodological support of teachers in professional activities.

***The EEC notes that the specialized college profile for this standard contains 5 strong positions, 5 satisfactory and 3 positions that require improvement.***

### **6.5. Standard "Students"**

- *The organization of the TVE should demonstrate the policy of forming population of students and the transparency of its procedures.*
- *The organization of the TVE should provide an opportunity for students to practice in the specialty (qualification) and monitor the satisfaction of students, managers of enterprises - places of practice and employers.*
- *An important factor is the possibility of professional certification of students in the learning process.*
- *An important factor is the availability of support for gifted learners.*
- *The organization of the TVE should apply the maximum amount of efforts to provide graduates with employment and keep in touch with the graduates.*
- *An important factor is the monitoring of employment and the professional activities of graduates.*
- *The organization of TVE should establish a mechanism for monitoring the satisfaction of students with the activities of the TVE organization.*
- *The organization of the TVE should demonstrate the functioning of the feedback system, which includes the prompt presentation of information on the results of the evaluation of the students' knowledge.*

The formation of the potential contingent of students is carried out through career guidance work. In college, career guidance is carried out in the following areas:

- through attracting students to campaign on the principle of “equal to equal” - Bring a friend;
- conducting an advertising campaign that enhances the prestige of the college and ensures the attraction of the largest number of applicants who are able to realize their intellectual and creative potential;
- through educational activities in college: open days, field trips to enterprises, training workshops, contests, etc.;
- distribution of information materials: booklets, electronic presentations, videos about the college;
- development of a strategy for working with school teachers, applicants and their parents;
- informing school graduates through the college website, social networks.

The prognosis of the 9th grade graduates is studied; a potential data bank of applicants who have expressed interest in the specialties of the college is being formed. In the framework of marketing activities, various forms are used: media advertising - newspaper, television, radio; conducting and participating in various PR-actions, exhibitions; organization of competitions, conferences; development and systematic updating of information on activities on the college website, on a social network; creating videos.

Reports on the results of career guidance work, on the quality of career guidance are heard at meetings of the pedagogical council, analyzed, conclusions are drawn and suggestions are made to improve the quality of career guidance. Analysis of the results of admission to college over the past 3 years shows a trend in the demand for college education. Compared to previous years, admission increased by 26-40%, respectively.

The official website of the college (mkp.sqo.kz) is one of the main sources of information for applicants and their parents. The material presented on the site for applicants about specialties allows the applicant to get complete information when choosing a specialty. For example, objects of professional activity, requirements for the level of training, possible places of employment. It is posted on the college website information for students on educational programs, the schedule of the educational process, lesson schedules, regulatory documents for conducting current, intermediate and final control of students' knowledge, etc.



Admission to the college is carried out in accordance with the Model Rules for admission to education in educational institutions implementing educational programs of technical and vocational education, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated on October 18<sup>th</sup>, 2018 No. 578.

Enrollment of students to the number of college students is carried out based on the results of the interview.

In order to comply with common requirements and resolve disputes during entrance examinations in subjects, as well as to protect the rights of applicants to the college, an appeal commission is created.

For the adaptation of students, a career guidance week is held; an introductory lesson is held on the knowledge assessment system, the rules for calculating grades. Students get acquainted with departments, school rules and the charter of the college, community circles and student organizations, operating in the college, library work hours, a reading room and a subscription.

On the accredited specialty in the college there are circles where about 20-25 students of 2 and 3 courses are covered.

The college uses various forms of ongoing monitoring of academic performance conducted in training sessions according to the schedule: oral interviews, written control, presentation of homework, discussions, trainings, round tables, tests, etc.

The work with gifted students is carried out at the college throughout the training process and regularly.

Having professional practices in accredited EPs is an important component in the preparation of competitive specialists and is of great importance for the socio-psychological adaptation of graduates to the conditions of the labor market. Professional practice is aimed at consolidating the theoretical knowledge gained in the process of studying at college, acquiring practical skills and forming professional competencies of graduates.

The organization and conduction of professional practice on accredited educational programs is carried out in accordance with the Law of the Republic of Kazakhstan dated on July 27<sup>th</sup>, 2007 "On Education", the Labor Code of the Republic of Kazakhstan dated on November 23<sup>rd</sup>, 2015, the Rules for the Organization and Holding of Professional Practice and the rules for identifying enterprises as bases for practice No. 107 dated on January 29<sup>th</sup>, 2016, the requirements of the State compulsory standards of technical and vocational education, approved by the order of the Minister of Education and Science of the Republic of Kazakhstan on October 31<sup>st</sup>, 2018 № 604, model curricula and learning process charts.

In the process of studying under accredited educational programs, students go through training and industrial practice. Programs have been developed for each type of practice; agreements have been concluded with organizations, enterprises, and institutions. The specialization of the chosen practice bases corresponds to the profile of the specialty. There are approved practice programs, signed agreements on cooperation with practice bases, and orders for referral to practice. The results of the practice are recorded in the form of diaries and reports, which are considered at a meeting of the commission. Grades are reflected in the student records and grade books.

The college assists graduates in their further employment and continued studies. It supervises the employment: gives advice and informs about free jobs, helps in creating a resume, prepares for an interview with the employer. Since March of each academic year, Open Doors Days, job fairs have traditionally been held, during which specialists and heads of organizations carry out explanatory work. The curators of the groups hold various meetings with graduates on the topic "Mamandygym maqtanyshym."

In the 2017-2018 academic year, employment amounted to 74% compared with the 2016-2017 academic year, increased by 3%, respectively, compared with the 2015-2016 academic year - by 13%. There is a steady trend in the demand of our graduates in the labor market.

College graduates of different years have pages on social networks. Graduates learn about the news in the life of the college on their pages on social networks, as well as on the college website.

To conduct extracurricular activities effectively, students participate in various weeks, circles, scientific conferences, and sports sections. In order for EP students to express their opinions and exchange views, a survey will be conducted. Active work is held to involve young people into socially significant activities. The college has circles in the following areas: “Traditions of Kazakhstan”, “Young Director”, “Ecological Path of Health”, “Young Patriot”, “Technical Creativity”. Classes in the circles are conducted by experienced teachers and masters of industrial training with professional skills in accordance with the schedule approved by the director of the college.

For many years, Mechanical Engineering College has been a winner in the regional competition of technical creativity. In 2016, in the regional competition of aircraft “One sky - one world”, students, members of the circle of technical creativity under the guidance of masters of industrial training Kachulina A.Yu. and Ovchinnikov B.V., took the 2nd place. Also in 2016, following the results of a technical creativity contest in various nominations, students’ exhibits took the following places: MI-28 helicopter model — 2nd place, Po-2 Airplane model — 1st place, Viking wooden ship model — 2nd place, ZIS-5 car model — 3rd place, a reduced layout of the Maxim machine gun of 1910 - 1st place (Appendix 20).

In 2017, according to the results of the competition, in various nominations, students’ exhibits took the following places: ZIS-110 car model - 3rd place, layout of a floating mini-hydroelectric power station - 1st place, model of the Katyusha rocket launcher - 3rd place, Mendosinskiy motor model - 2nd place, "Maxim" machine gun model of 1910 – 1<sup>st</sup> place. All winners were awarded with diplomas and prizes.

In 2018, prizes were also taken by the work of members of the circle: a model of an antiquity throwing machine, a Tesla coil, a model of the Bell P-39 aircraft, a model of the “Stirling” engine. Some of the exhibits were specially made as a part of the “Rukhani Zhangryu” program and donated to the Museum of Local History, the “Abylay Khan Residence” Museum Complex and the Nikolai Pogodin Regional Drama Theater. Thus, in honor of the opening of the anniversary season, the Nikolai Pogodin Theater was presented a gift by Petropavlovsk Mechanical Engineering College in a form of a bas-relief of two Kazakh batyrs Karasay and Agyntay with the drama theater on the background. This work was carried out by college students on computer-controlled machines within the framework of the program article of the first president of the Republic of Kazakhstan, Nursultan Nazarbayev, “A look into the future: the modernization of public consciousness”, “Rukhani Zhagyru”, which is aimed at preserving historical cultural monuments and developing youth patriotism.

According to the results of the competition in 2019, the presented exhibits of college students took the following places: the verticalizer with a reverse slope for children with cerebral palsy – 2<sup>nd</sup> place, and the layout of the Eiffel tower – 3<sup>rd</sup> place. Under the guidance of the masters of production training, Boris Vladimirovich Ovchinnikov and Nikolai Dmitrievich Gordin, , five verticalizers with a reverse slope for children with cerebral palsy were made by students at the classes of the technical creativity circle. Four verticalizers were donated to the boarding school for children with a violation of the musculoskeletal system named after Shakshakbaev and the correction office of Akkayynsky district. This design is easy to assemble and can be transported to any desired place, area, etc. The verticalizer is indispensable when the child - a disabled person with cerebral palsy, and, due to the peculiarities of his development, spends a lot of time in a lying or sitting position and risks getting kidney or pulmonary failure, osteoporosis and pressure sores.

The second exhibit, the Eiffel Tower model, was made by the student of the SShP-18 group, Artyom Musaipov, under the guidance of masters of production training Mirolyubova Olga Petrovna and Berdnichenko Viktor Grigoryevich.

Since 2017, college students have been participating in professional skills contests among students in accordance with WorldSkills standards. In 2017, on the regional stage, students took 2nd and 3rd places in the framework of the national WorldSkills Kazakhstan Championship among TVE students in the "Electrical Installation" competency. In March 2018, in the competence "Operating of machine units with program control" took 3rd place; according to the competence "Wiring" - 2nd and 3rd place; in competence "Body work" - 2 and 3 place. In 2019, the 2nd year student Ilyashenko Ilya took 3rd place in the competence "Operating of machine units with program control" (Appendix 21).

Annually, under the guidance of the teacher of the Initial Military Training Biletchenko V.M., the head of the "Young Patriot" club, college students take part in the regional sports contest "Zhas Ulan", where they occupy the first or second place for many years.

In addition, every year there is a contest held among first-year students, for the title "Best Recruit", which helps to form social activity among children aimed at serving their homeland.

There is a committee on youth affairs at the college; the chairman is the psychologist Kolesnikova E.I.

For four years college teachers and students have been participating in the Russian-Kazakh archaeological expedition as a part of the combined detachment of the Scientific and Analytical Center for the Preservation of Cultural and Natural Heritage - AV KOM - "Heritage" of the city of Yekaterinburg, since the ornaments of the artifacts found in Russia and in the north of Kazakhstan turned out to be identical, which indicates their belonging to the same culture - Andronovskaya. Teachers Zubenko N.A., Kachulina A.Y. and a group of students were awarded diplomas for their active and fruitful participation in the work of the field season.

A survey of students conducted during the visit of the EEC IAAR showed that:

Students receive information on the results of the assessment of their knowledge, skills, basic and professional competencies directly from subject teachers and masters of production training based on the results of ongoing performance monitoring, intermediate and final certification of students in theoretical and production training journals, as well as on the college educational portal, which is planned to reflect fully the learning outcomes of students and their access to all information related to the educational process.

- 91.2% are fully satisfied with the explanation before entering the rules and strategies of the educational program (specialty);

- 88.2% are fully satisfied with the level of implementation of these rules and the strategy of the educational program (specialty);

- 88.2% are fully satisfied, 5.9% are partially satisfied with the academic load / student requirements;

- 70.6% are fully satisfied, 26.9% are partially satisfied with the timely assessment of students. At the same time, 29% of students are partially satisfied;

- 91.2% are fully satisfied and 8.8% of students are partially satisfied with the speed of response to feedback from teachers regarding the educational process.

- 64.7% are fully satisfied with equal opportunities for all students. At the same time, 2.9% of students are partially satisfied with equal opportunities for all students.

**EEC notes that according to this standard in the educational institution special attention is paid to the following positions:**

- EP management must demonstrate the policy of forming a contingent of students of EP and the transparency of its procedures;

- An important factor is monitoring the employment and professional activities of graduates;

- EP management should provide students with the opportunity to exchange and express opinions;

**In order to continue further development and improvement of the college activity in implementing accredited educational programs, EEC IAAR recommends:**

-initiate a mechanism for stimulating students to self-education;

-formalize the organization of graduates and use a real feedback to receive continuous recommendations for improving the educational process.

***EEC notes that the specialized college profile for this standard contains 4 strong positions and 4 satisfactory***

#### **6.6. Standard "Funds"**

- *The organization of the TVE should demonstrate the consistency of the development strategy and the management of financial flows in the TVE organization.*
- *The organization of the TVE should demonstrate the planning of the TVE organization's budget, the availability of short-term and medium-term plans.*
- *The organization of the TVE should demonstrate the existence of a formalized financial management policy: a cash flow statement, a statement of changes in equity.*
- *The organization of the TVE should demonstrate the existence of an internal audit system and the results of a regular external, independent audit.*
- *The management of the TVE should demonstrate the financial sustainability and viability of the organization of education.*
- *The organization of TVE should have a mechanism for assessing the adequacy of financial support for its various activities.*
- *The organization of the TVE should ensure transparency in the distribution of the budget and its effectiveness.*
- *There should be an effective mechanism for financial reporting in the organization of TVE.*

The financial activity of the college is carried out in accordance with the legislation of the Republic of Kazakhstan.

Sources of financing are: budget financing, state educational order, income from the provision of paid educational services.

The college activity is reflected in the Development Plan for state-owned enterprises and in the report on its implementation, which contains goals, objectives, performance indicators and key indicators of financial and economic activity, including investment, income, expenses, and are approved by SCE "Department of Education of the Akimat of the North Kazakhstan Region".

In accordance with the development plan, cash flow is carried out at the expense of budgetary funds - a state order for the training of TVE specialists, advanced training and retraining of personnel on a paid basis under contracts with legal entities and individuals.

Prices for services implemented by the college for state orders and for paid services, according to calculations, are approved by the public administration body - SCE "Department of Education of the Akimat of the North Kazakhstan Region".

The college's cost items include: salaries, taxes, social benefits, such as scholarships, reduced fares, meals for members of the "Enbek" program, orphans and children left without parental care, children from large and low-income families, graduation allowance for orphans, basic means, materials and tools for conducting industrial training, and educational literature, as well as utility and household expenses.

Planned revenues are calculated from the contingent of students and other services, taking into account internal and external factors affecting the actual flow of funds. The criterion for the effectiveness of budget allocation is the achievement of results in the implementation of the main activities of the college, provided for by its strategy.

Table 5 - “The volume of the cash inflow for the last 3 years”

№	Наименование	thousand tenge		
		Year 2017	Year 2018	Year 2019 (plan)
1	State budget	110060	126328	173540
2	Extrabudgetary Funds	3665,5	6817	865
3	Total	113725,5	133145	174405

The main processes of financial management are: planning the contingent of students for the academic year, planning of the teaching load and developing a payroll, planning capital investments (repairing classrooms, purchasing equipment, etc.), planning current expenses (travel expenses, staff development, conducting external audits, etc.).

The distribution of financial resources is carried out in accordance with the approved plans developed on the basis of a thorough analysis of areas of activity and structural units, as well as on the basis of limits, norms and standards, based on the need and availability of material resources. Control over the distribution of financial resources is the responsibility of the college director. Responsibility for compliance with the targeted spending of financial resources assigned to the college accounting. In addition, commissions are established on certain issues to verify current activities and the distribution of acquired fixed assets.

Material values are assigned to materially responsible persons from among the staff by orders and agreements on liability. Commissions are created for the reception and transfer of material values, inventory. A complete inventory of property is carried out by the approved members of the commissions annually.

The processing of accounting registers is carried out by the computer accounting program “1C Accounting”, which allows to store, replenish and receive information about the organization’s activities in one information base: inventory, payment, accrual of scholarships, mutual settlements with buyers and suppliers, keep records of fixed assets for inventory numbers, obtaining statistical, tax, financial statements from one information base, and other advantages.

The main objective of the financial and economic activity of the college is the formation and strengthening of the equity system. An important indicator of the financial condition of the college is the volume of materials for educational purposes.

Table 6 - “Change in college assets over the past 3 years”

Indicators	year 2017	year 2018	year 2019
Stocks, thousand tenge	1020	4247	6355
Fixed assets, thousand tenge	331	3764	1307

Analysis of the data in the table shows the annual growth of allocated funds to improve the material and technical base. Stocks are increasing annually in connection with the acquisition of inventory for the needs of the college.

Planning and acquisition of materials, tools and equipment is carried out at the request of the college staff, taking into account the recommendations of the social partners and considered at the meetings of the CMC and the pedagogical council.

In 2019, the Audit Commission for the North Kazakhstan Region conducted an audit event in the college “State audit of the use of budget funds allocated for the training of specialists in technical and vocational education organizations”. The purpose of the audit was to verify the conformity of the use of budgetary funds, the accuracy and correctness of college accounting and financial reporting for the past 5 years. During the audit, a summary analysis of the completeness and quality of the provision of public services was carried out; students were also questioned for satisfaction with the content of the EP, teaching methods, etc.

The college records the results of its activity in accordance with the legislation of the Republic of Kazakhstan and the approved accounting rules. The accounting department submits financial statements to the education department of the NKR, tax and statistical authorities on time and is responsible for its accuracy. A report on income and expenses is presented using the “accrual of expenses” method, the analysis of income and expenses is attached to the report, and a classification based on the nature of income and expenses is used. The cash flow report allows evaluating of changes in the financial position of the entity, providing the user with information on the receipt and disposal of cash for the reporting period in the context of operating and financial activities. Financial statements are submitted to the Department of Education of the NKR.

During the work of the EEC, mechanisms for coordinating strategies and managing financial flows, a detailed analysis of the financial condition, distribution of profits and the formation of financial stability are not fully presented. Experts noted that financial activities are implemented on the basis of legislative acts of the Republic of Kazakhstan, regulated by internal documents of the college.

**EEC notes that according to this standard in the educational institution special attention is paid to the following positions:**

– EP management demonstrates the existence of internal audit system and the results of regular external, independent audits.

**In order to continue further development and improvement of the college activity in implementing accredited educational programs, EEC IAAR recommends:**

– To conduct an analysis of financial and economic activity in accordance with the strategic goals of the educational institution.

*The EEC Commission notes that the institutional profile of the college under this standard contains 3 strong positions, 5 satisfactory.*

#### **6.7. Standard “Resources: material and technical, and information sources”**

• *The organization of the TVE should demonstrate the compliance of the infrastructure with the specifics of its activities. Class rooms, offices, laboratories, communication and computer equipment and other premises should comply with modern requirements.*

• *The organization of TVE should assess the dynamics of the development of material and technical resources as well as information support, the effectiveness of using the results of the assessment for adjustments in planning and budget allocation.*

• *An educational environment should be established in the TVE organization, which includes:*

– *Technological support for students and teachers;*  
– *Academic accessibility - students have access to personalized educational resources;*

– *Academic consultations - educational resources available to assist students;*  
– *vocational guidance - students have access to personalized educational resources that assist in the selection and achievement of career paths;*

– *the necessary number of classrooms equipped with modern technical training facilities: training laboratories, modern training grounds equipped with modern equipment, corresponding to the implemented EP, sanitary and epidemiological standards and requirements;*

– *the necessary number of computer classes, reading rooms, multimedia, language and methodical offices, the number of seats;*

- *The book fund, including the fund for educational and methodological literature on paper and e-media, periodicals in the context of the languages of instruction;*
- *free access to educational Internet resources.*
- *The organization of the TVE should determine the extent to which information technology is introduced into the educational process, monitor the use and development by the members of the teaching staff of innovative teaching technologies, including those based on ICT.*
  - *The organization of the TVE should demonstrate the availability of a web resource reflecting the mission, goals and objectives of the TVE organization, the effectiveness of its use to improve the organization's education.*
  - *An important factor is the observance of copyrights in publication of methodological support in the open access;*
  - *An important factor is the creation of conditions for the development and use of information and communication technologies by workers, teachers and students in the educational process and the activities of the TVE organization.*

The college ensures the availability of sufficient, accessible, and appropriate mission and strategy educational resources and student support services. The college takes into account the needs of various groups of students in the distribution, planning and providing of educational resources.

The college infrastructure is a united complex that includes: an educational building, classrooms, laboratories and workshops, a library, reading and assembly halls, a conference room, a sports base (sports and fitness rooms, a football and hockey ground), a medical center and a dining room .

EP management provides students with the maximum possible amount of structured, organized information on taught modules and disciplines. Information on the studied modules and disciplines: working curricula, working training programs, lectures, presentations, assignments for independent work, exam materials, compulsory and additional literature are available for students on the college educational portal. Each student has a personal login to use the educational portal and can receive all the necessary information regarding the educational process. Teachers also have personal access to the portal and post the necessary information on the modules and disciplines taught by them.

When designing modules and disciplines, college teachers use a modular competency approach. With this approach, the content of the disciplines is represented by a set of targeted influences that reflect the logical structure of organizational and methodological blocks in order to form general and professional competencies among students; strengthening students' independence in educational activities. Thus, the orientation toward the use of a modular competency approach means the restructuring of the educational process from the passive assimilation of knowledge by students into an active process of forming the skills of their application in the process of professional activity. The content of a professional module and a discipline must comply with:

- the needs of society, the level of modern scientific, industrial, technical, cultural and socio-political information;
- the capabilities of students;
- time allocated to the study of a module and a discipline;
- the capabilities of the material and technical and methodological base of the college.

In addition, the content of a module and a discipline should be characterized by determination, integrity, a clear correspondence to the main line of the subject and the methodological foundations of science, an explicit relationship with other modules and disciplines.

The material and technical base of the college is a necessary condition for the functioning and implementing of the strategic plan. The main goal of strengthening the material and technical base of the college is to create optimal conditions for the educational process by equipping it with the necessary material and technical, educational and methodological equipment, creating safe conditions for students and staff to stay, adhering to the sanitary-hygienic regime, fire and electrical safety measures.

Useful training area (450 sq.m.), owned by the college under the right of economic management, meets the fire safety requirements, qualification requirements for the activities of educational organizations and the requirements of state general educational standards of educational programs. The Mechanical Engineering College is located in the same educational building with the North Kazakhstan Vocational and Pedagogical College in connection with which the material and technical base (classrooms, laboratories, workshops, training ground), library resources, an assembly hall, sports halls and a canteen are used together (Appendix 23). To carry out the training of future specialists on the production there is a training room functioning at JSC “Petropavlovsk Heavy Engineering Plant”. The procedure of accommodation of college students at dormitory is established by the Agreement on cooperation in providing of accommodation in a dormitory of the North Kazakhstan Vocational and Pedagogical College (Appendix 24).

The following audiences are used to organize the educational process according to educational programs and to create appropriate conditions:

- Cabinet of special disciplines of turning and metalworking.
- Cabinet of special disciplines for the operation of machinery and equipment of the industry.
- Cabinet of special disciplines of car maintenance and repair.
- Machine shop.
- Locksmith-mechanical workshop.
- Welding workshop.
- Electrical installation workshop.
- Workshop of machine tools with program control.
- Laboratory of electrical machines and electric drives.
- Laboratory of power supply, relay protection and automation.
- Training ground.
- Laboratory of car system.
- Laboratory of car maintenance and diagnostics.
- Laboratory of car maintenance and repair.

The cabinet of special disciplines of turning and metalworking is equipped with the following equipment and tools: OPTID 180x300Vario lathe-screw cutting machine - 4 pcs., BF20 universal bench milling machine - 1 pc., Monoblock HP - 11 pcs., a set of turning tools and milling cutters, a set of measuring and a calibration instrument (calipers, micrometers, intramicrometer, caliper, depth gauge, indicator measuring instruments, radiusometers, goniometers, pedometers, roughness samples, gauges).

The machine shop is equipped with the following equipment and tools: screw-cutting lathe GH-1840ZX-5 - 5 pcs., Universal milling machine ITM-1050TS - 4 pcs., Screw-cutting lathe 1K62-1 - 1 pcs., Screw-cutting lathe 1V62G - 1 pc., Horizontal milling machine 6H82 - 1 pc., Surface grinding machine 371M1 - 1 pc., Drilling machine B34N - 1 pc., Bench drilling machine 2M12 - 1 pc., Tool grinding machine 3M634 - 1 pc., a set of turning tools, drills and mills, a set of measuring and calibration tools.

The workshop of machine tools with program control is equipped with the following equipment and tools: a lathe with numerical program control L28 CNC - 5 pcs., A milling machine with numerical program control M2L CNC - 3 pcs., A sharpening machine - 1 pc., A drill sharpening machine - 1 pc., metal band saw - 1 pc., Zmorph 3D printer - 1 pc., a set of turning tools, drills and mills, a set of measuring and calibration tools.



The cabinet of special disciplines for the operation of machinery and industrial equipment is equipped with the following equipment and tools: 1A616 screw-cutting lathe - 1 pc., 1V62G3 lathe gearbox - 1 pc., 1K62 machine gearbox - 1 pc., Vertical drilling machine unit - 1 pcs., a unit of horizontal milling machine 2H125JI - 1 pcs., a monoblock HP - 12 pcs., chain hoist - 1 pcs., hydraulic trolley - 1 pcs., bench drilling machine - 4 pcs., tool-grinding machine - 2 pcs., shut-off valves for water supply - 1 pc., machine for drills sharpening - 1 units, the set of measuring and verification tools, a kit of bench tools and devices.

The cabinet of special disciplines of car maintenance and repair is equipped with the following equipment and tools: parts, units and devices of mechanisms and systems of automobiles, a monoblock HP - 7 pcs., a set of locksmith tools and accessories.

The laboratory of car maintenance and diagnostics is equipped with the following equipment and tools: car scanner Launch X-431 - 1 pc., a stand for checking the installation angles of Launch X-531 wheels - 1 unit, installation for cleaning the Launch CFC-303 fuel system, installation for maintenance of automatic transmissions CAT-303 - 1 pc., installation for maintenance of nozzles Launch CNC-602A - 1 pc., a stand for static and dynamic balancing of wheels Launch KWB-402 - 1 pc., a stand for mounting / dismounting tires TWC- 401NIC - 1 pc., Two-post lift TLT-235 - 1 pc., Installation for disassembling / assembling shock absorbers struts - 1 pc., installation for dismantling / mounting the engine - 1 pc., installation for draining oil - 1 pc., hydraulic jack - 2 pcs., installation for replacing coolant - 1 pc., installation for replacing fluids in power steering - 1 pc., installation for replacing brake fluid - 1 pc., a start charger device - 1 pc., transmission rack with adjustable saddle - 1 pc., a set of tools and devices for servicing the electrical equipment of a car, parts, components and devices of mechanisms and systems of automobiles, a set of locksmith tools and devices.

The mechanical workshop is equipped with the following equipment and tools: a grinding machine ZM363 - 1 pc., A vertical drilling machine 2H135 - 1 pc., A marking table - 1 pc., 2H5222A press-shears - 1 pc., A TG-5 pipe bender - 1pc., roller scissors - 1 pc., the workplace of a locksmith (workbench, vice-grip, a set of bench tools) - 17 pcs.

The welding workshop is equipped with the following equipment and tools: air cutting inverter (plasma cutter) CUT-70 - 1 pc., TIG-315P argon-arc welding inverter - 1 pc., Rheostat ballast RB-302 - 7 pcs., VDU-504 welding machine - 1 pc., VD-306 welding machine - 1 pc., VDM-6303 welding machine - 1 pc., Manual contact welding - 1 pc., ASP-1,25-6 acetylene generator - 1 pc., semi-automatic welding machine PDG-312-5 - 1 pc., welding inverter LED-215 - 1 pc., inverter-type pulsed welding machine SAI-220 - 1 pc., inverter-type pulsed welding machine SAI-160 - 1 pc., welding cabins - 8 pcs.

The electrical workshop is equipped with the following equipment and tools: electrical tables for 8 workplaces with electrical materials and devices, a power switchboard (a shield with mounting plate -7) - 1 pc., Model "a House plan with lighting network" - 1 pc., Drilling machine - 1 pc., sharpening machine - 1 pc., a set of electrical installation and measuring tools.

The laboratory of power supply, relay protection and automation is equipped with the following equipment and tools: laboratory tables - 8 pcs., forced-air and exhaust installation - 1 pc., Air heater - 1 pc., Unit of vitamin-grass meal AVM 1.5 - 1 pc., stand of the ZAV 20 grain cleaning unit - 1 pc., set of electrical installation and measuring tools.

The laboratory of electric machines and electric drives is equipped with the following equipment and tools: laboratory table - 7 pcs., A stand for laboratory and practical work in the direction of "Electric machines and power supply of industrial enterprises" - 5 pcs., An electric motor - 12 pcs., A transformer - 3 pcs.

The training ground is equipped with the following equipment and tools: 10kW voltage transformer - 1 pc., Wire bundle support - 3 pcs., High-voltage supports - 3 pcs., TM 25 transformer 25 - 4 pc., 10 / 0.4kV transformer - 1 pc., a set of electrical installation and measuring tools.

The laboratory of automobile system is equipped with the following equipment and tools: a car “Fiat” - 1 pc., parts, components, devices, units of cars and trucks, a set of locksmith tools and accessories.

The laboratory for car maintenance and repair is equipped with the following equipment and tools: a universal stand for testing lubrication devices for auto tractor engines USIN-3 - 1 pc., A stand for adjusting diesel fuel equipment SDTA-1 - 1 pc., A stand for grinding in valves OP667 M - 1 pc., A stand for checking and adjusting hydraulic attachment system of a tractor KI-1774 - 1 pc., table-fixture for grooving the generator plates - 1 pc., stand for checking nozzles - 1 pc., a device for balancing the crankshaft PB 1400 - 1 pc., stand for grinding bevels of valves OP8022 - 1 pc., a device for adjusting connecting rods URB-VP-M., internal combustion engine - 2 pcs., a set of bench tools.

There are 82 computers used in the educational process: 1 computer class with 15 personal computers, 3 mobile computer rooms with 45 monoblocks and 22 laptops that teachers use to prepare and conduct classes. All computers have access to the local network and the Internet with an average speed of 8 Mb / s. 6 sets of interactive equipment are used in the educational process of the college.

The college has a modern sports base, which is used for both academic and independent studies of students. In the gyms there are gymnastics and athletics simulators, a Swedish wall, soccer and volleyballs balls, basketball hoops, 31 ski sets and 12 pairs of skates. The college has a sports ground with a basketball court, a gym, artificial meadow soccer field, 500-meter running track, and a beach volleyball court.

A library and library services are provided to students and teachers. The library is an important link in the educational system and plays an important role in improving the quality of information and methodological support of the educational process. The main goal of the library is a formation of basic and additional literature and periodicals. Together with the methodical commission of the cycle, a library fund is being created to meet the information needs of students and the requirements for specialties. The college library has a reading room with 30 seats, computers, connected to the Internet. The reading room has encyclopedias, reference books, periodicals, as well as literature for reading. The aim of the reading room is to provide library users with access to the electronic catalog, electronic library, library information resources, and information requests. At the beginning of the school year, a book exhibition is organized in the reading room to introduce the available textbooks and periodicals to the first-year students. The college library has 8781 copies of books on education, socio-political, technical, natural sciences, fiction, art and sports.

There is a dining room for 182 places in the educational building, which is equipped with electric furnaces, electric stoves, meat grinders and other equipment that comply with the sanitary rules “Sanitary and epidemiological requirements for educational facilities”, approved by order of the Ministry of Health of the Republic of Kazakhstan No. 611 of August 16, 2017. The current repair was made in the dining room in 2017: suspended ceilings and LED lights were installed, the walls were covered with decorative plaster, the ventilation system was replaced, and the dining room was designed in accordance with aesthetic standards. Quality control of food preparation is carried out by the college administration, a medical worker. The buffet is working.

In order to increase the efficiency of training organization, the college is equipped with internal and external video devices, equipped with fire extinguishing means: fire extinguishers, fire alarm systems and warning systems. Computer rooms and laboratories are equipped with fire extinguishers and memos for working with it. Work on object training is held annually.

An important indicator for the college is the dynamics of the development of material and technical resources and information support of the EP.

It is observed the continuous improvement of the material and technical base of the college, which provides a better training for specialists.

To achieve this goal, the following tasks are solved:

- analysis of information about the state of technical equipment of the college;
- analysis of software content;
- analysis of the level of ICT competence of teachers and students;
- organization of monitoring and analysis of the effectiveness of the work of the teaching staff in the field of information technology;
- determining of college development prospects;
- determining the needs of the educational institution in the technical equipment, software and training of the staff.

All students throughout the entire period of study are provided with individual unlimited access to the following personalized educational information resources:

- The official website of the college.
- Library.
- E-learning system.

**During the work of EEC** it's being noted that the infrastructure corresponds to the specifics of the SCE "Petrovavlovsk Mechanical Engineering College". At the same time, experts note the insufficient assessment of the dynamics of the development of material and technical resources and information support for the EP.

**The EEC notes that according to this standard in the educational institution special attention is paid to the following positions:**

- the availability of adequate and objective information about the teaching staff on the college website;
- posting on the college website full objective information about the organization;
- posting on the college website external publications (quotes, links) on the implementation of the college mission, goals and objectives.

**In order to continue further development and improvement of the college activity in implementing accredited educational programs, EEC of IAAR recommends:**

- to systematize the work of assessing the dynamics of the development of material and technical resources and information support of the EP;
- to continue working on replenishing the book fund with educational and methodological literature and manuals, as well as electronic textbooks in the context of the languages of studying.

*The EEC Commission notes that the institutional profile of the college under this standard contains 7 strong positions, 12 satisfactory.*

**(VII) REVIEW OF STRENGTHS / BEST PRACTICE BY EACH STANDARD (1 page)**

**1. Standard “Vision, Mission, and Strategy”**

- No strengths identified in this standard

**2. Standard "Leadership and Management"**

- The TVE organization ensures the conformity of its structure to the development strategy of the TVE organization;
- The TVE organization ensures the availability of documents on the organizational structure and management of the TVE organization;
- The TVE organization provides a system of information and feedback
- the availability of information systems and databases, the use of the Internet for information, the presence of a portal and / or Internet site;
- participation of representatives of interested parties (employers, teachers, students) as part of collegial management bodies;
- demonstrates evidence of the openness and accessibility of leaders and administration for students, teachers, parents (blogs on the website of the educational organization, official hours of reception on personal issues, e-mail communication, etc.).

**3. Standard "Educational Programs"**

- Organization of technical and vocational education determines the content, volume, logic of the study of academic disciplines;
- Organization of TVE demonstrates the influence of disciplines on the formation of basic and professional competencies, skills and knowledge blocks in students;
- The TVE organization demonstrates the logic of curriculum and curriculum development;
- The structure of the educational program provides for various types of activities, the content of which should contribute to the development of professional competencies of students, taking into account their personal characteristics;
- Organization of TVE provides equal opportunities for students, regardless to the language of studying;
- To implement educational programs, the TVE organization attracts practitioners and determines the proportion of the disciplines they teach;
- Organization of TVE provides access for students to the maximum possible amount of structured, organized information on disciplines: for example, presentation materials, lecture notes, compulsory and additional literature, practical exercises, etc.

**4. Standard “Teaching staff and the effectiveness of teaching”**

- The TVE organization ensures that the teaching staff meets the qualification requirements and specifics of the educational program;
- The TVE organization demonstrates the public availability of information about the teaching staff;
- The TVE organization demonstrates compliance with the principle of accessibility of leadership and transparency of all personnel procedures;

- The TVE organization demonstrates the involvement of the teaching staff in practical activities in the field of specialization;
- Participation of the teaching staff in society's life.

#### **5. Standard "Students"**

- The TVE organization demonstrates the policy of forming the contingent of students and the transparency of its procedures;
- Organization of TVE provides the opportunity for students to undergo industrial training and professional practice in the specialty / qualification and monitor the satisfaction of students, business leaders - places of practice and employers;
- Monitors the employment and professional activities of graduates;
- The TVE organization demonstrates the functioning of the feedback system, which includes the prompt presentation of information on the results of students' knowledge assessment.

#### **6. Standard "Funds"**

- The TVE organization demonstrates the budget planning of the TVE organization, the availability of short-term and medium-term plans;
- The TVE organization demonstrates the existence of a formalized financial management policy: cash flow statement, statement of changes in equity;
- Organization of TVE ensures transparency of budget allocation and its effectiveness.

#### **7. Standard "Resources: material and technical, and informational"**

- academic accessibility - students have access to personalized interactive resources (also available outside of school hours), as well as educational materials and assignments, it is also possible to test self-assessment of students' knowledge through remote access to the portal (site) of TVE organization;
- academic consultation - there are personalized interactive resources that help students plan and implement academic programs;
- vocational guidance - students have access to personalized interactive resources that assist in choosing and achieving career paths;
- free access to educational online resources;
- The TVE organization demonstrates the existence of a web resource that reflects the mission, goals and objectives of the TVE organization, the effectiveness of its use to improve the activities of the educational organization;
- the availability of adequate and objective information about the teaching staff on the portal (site) of the TVE organization;
- posting on the portal (site) of the TVE organization full objective information about the organization's activities.

**(VIII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS (1-2 pages)**

**Standard “Vision, Mission, and Strategy”**

- to orient the results of the analysis of the implementation of strategies on such indicators as “effectiveness” and efficiency”;
- to systemize the process of attracting various groups of stakeholders to formulate college missions, visions and strategies.

**Standard "Leadership and Management"**

- to consider the possibility of certification of a quality management system;
- to put into practice the use of the results of monitoring of the implementation of the strategic plan;
- to improve the processes of measuring and analyzing the effectiveness and efficiency of college activities to assess the success of the implementation of the strategy;
- to continue working on further improvement of the mission, the strategic plan of the college with the participation of all interested parties (teachers, employers, graduates, etc.);

**Standard "Educational Programs"**

- to improve the mechanism of internal quality assessment and examination of educational programs, as well as a feedback for their improvement.

**Standard “Teaching staff and the effectiveness of teaching”**

- to improve the work of the rating system of teachers for effective management of both the system for increasing the professional growth of teachers and effective management of the quality of educational services provided;
- to carry out corrective actions based on monitoring of the satisfaction of the teaching staff to improve the effectiveness and quality of the educational process of the college;
- to expand the opportunities for advanced training and professional development of teachers;
- to develop and implement a system for improving the educational and methodological support of teachers in professional activities.

**Standard "Students"**

- to initiate a mechanism of stimulation of students’ self-education;
- to formalize documented organization of graduates and to use a real feedback to receive continuous recommendations for improving the educational process.

**Standard "Funds"**

- to conduct an analysis of financial and economic activities in accordance with the strategic goals of the development of the educational institution,
- to continue improving the college budget planning mechanisms taking into account risk management;

**Standard “Resources: material and technical, and informational”**

- to systematize the work of assessing the dynamics of the development of material and technical resources and information support of the EP;
- to continue work on replenishing the book fund with educational and methodological literature and manuals, as well as electronic textbooks in the context of the language of training.

**(IX) REVIEW OF RECOMMENDATIONS ON DEVELOPMENT OF  
EDUCATIONAL INSTITUTION (1 page)**



**Appendix 1. Estimated table "PARAMETERS of the INSTITUTIONAL PROFILE"**

**CRITERIA OF INSTITUTIONAL ACCREDITATION**

Seq.no	Evaluation criteria	Educational institution position			
		Strong	Satisfactory	Need to be improved	Unsatisfactory
<b>"Vision, mission and strategy" standard</b>					
1	Technical and vocational education institutions demonstrates the development of the mission, vision and strategy based on the analysis of the real positioning of educational institutions and their focus on meeting the needs of the state, interested parties and students		+		
2	The technical and vocational education institutions demonstrates the individuality and uniqueness of the mission and strategy		+		
3	The technical and vocational education institution ensures the adequacy of the mission, vision, strategy, available resources (including financial, information, personnel, material and technical base), the needs of the labor market and educational policy of the Republic of Kazakhstan			+	
4	The technical and vocational education institution involves representatives of interested parties, including students, teachers and employers for developing the mission, vision, strategy			+	
5	The technical and vocational education institution demonstrates the transparency of the processes for developing the mission, vision, strategy		+		
6	The technical and vocational education institution provides interested parties with information about the content of the mission and the strategy and processes of their formation		+		
7	The technical and vocational education institution determines the mechanisms for development and regular review of the mission, vision, strategy and monitoring of their implementation			+	
8	Vision, mission and strategies must be harmonized.		+		
9	The technical and vocational education institution carries out the processes of strategic, tactical and operational planning and resource allocation in accordance with the vision and mission		+		



10	The technical and vocational education institution systematically collects, accumulates and analyzes information about its activities and conducts self-assessment in all areas, based on the development and implementation of measurement processes, analysis to assess the strategy implementation success of the strategy of the VET institutions through indicators such as "performance" and "efficiency"			+	
11	It develops specific documents on its individual areas of activity and processes on the basis of the technical and vocational education institution strategy.			+	
<b>TOTAL</b>				7	4
<b>"Management and administration" standard</b>					
12	Management of the VET institutions includes:				
12.1	activity management through processes			+	
12.2	planning, development and continuous improvement mechanisms			+	
12.3	risk assessments and identification of ways to mitigate these risks			+	
12.4	monitoring, including the establishment of reporting processes			+	
12.5	analysis of identified inconsistencies, implementation of the developed corrective and preventive actions				+
12.6	changes effectiveness analysis			+	
12.7	evaluation of the performance and effectiveness of the units and their interaction			+	
13	The VET institution ensures that its structure is consistent with the development strategy of the VET institution	+			
14	The VET institution ensures the availability of documents on the organizational structure and governance of the VET institution	+			
15	All major business processes are documented in the VET institution				+
16	The VET institution demonstrates a clear definition of those responsible for business processes, simple allocation of staff duties, the division of functions of collective bodies				+
17	The VET institution ensures that there is a system of information and feedback	+			
18	The VET institution establishes the frequency, forms and methods of evaluation of collegial bodies and structural units, senior management activities			+	
19	The VET institution ensures the management of the educational process through the management of individual educational programs			+	

20	The VET institution demonstrates the successful functioning of the internal quality assurance system of the VET institution			+	
21	An important factor is the availability of certified quality management system and its continuous improvement			+	
22	An important factor is the availability of information systems and databases, the use of the Internet for information, the availability of portal and/or Internet site	+			
23	An important factor is the participation of representatives of interested persons (employers, teachers, students) in the collective management bodies	+			
24	The VET institution demonstrates mechanisms for the resolution of conflicts of interest and relationships through availability of information on compliance/violations and the availability of system feedback, review of management bodies, the effective operation of disciplinary bodies and the motivational system		+		
25	The VET institution measures the satisfaction level of teachers, staff, and students and demonstrates evidence of deficiencies detected in the framework of the measurement process		+		
26	The VET institution demonstrates evidence of openness and accessibility of managers and administration for students, teachers, parents (blogs on the website, the official hours of reception on personal matters, e-mail communication, etc.).	+			
<b>TOTAL</b>		<b>6</b>	<b>10</b>	<b>5</b>	
<b>"EDUCATIONAL PROGRAMS" standard</b>					
27	The VET institution provides evidence of the participation of the teaching staff and employers in development and management of educational programs, ensuring their quality		+		
28	The VET institution determines the content, volume, logic of the academic subjects study	+			
29	The VET institution demonstrates the impact of subjects on students' basic and professional competencies, skills and knowledge	+			
30	The VET institution demonstrates the logic of drawing up curricula and training programs	+			
31	The list and content of subjects is available to students. Subjects comprehensively cover all relevant issues		+		

32	The educational program structure provides for various activities, the content of which contributes to the development of professional competencies of students, taking into account their personal features	+			
33	The VET institution provides equal opportunities to students, including regardless of the language of instruction	+			
34	An important factor is the updatability of educational programs aimed at the development of professional skills, taking into account the interests of employers		+		
35	Educational equipment and software used for the educational programs is similar to those used in the relevant industries and meet the requirements of safety in operation		+		
36	The VET institution demonstrates the effectiveness of its educational program resources		+		
37	The VET institution attracts practitioners and determine the proportion of subjects taught by them to implement educational programs	+			
38	The VET institution provides objectivity of assessment of knowledge and degree of basic and professional competences of students, transparency and adequacy of tools and mechanisms of their assessment		+		
39	The VET institution provides a mechanism for internal quality assessment and examination of educational programs, as well as feedback for their improvement		+		
40	The VET institution ensures the availability for students of the maximum possible amount of structured, organized information on subjects: for example, presentation materials, lecture notes, mandatory and additional literature, practical tasks, etc	+			
41	An important factor is the introduction and effectiveness of active teaching methods and innovative teaching methods		+		
42	The VET institution ensures the availability and effective functioning of individual assistance and students counseling about the educational process		+		
<b>TOTAL</b>		7	9		
<b>"Teaching staff and teaching efficiency" standard</b>					
43	The VET institution ensures compliance of the teaching staff with the qualification requirements and the specifics of the educational program	+			
44	The VET institution demonstrates the recruitment on the basis of the educational programs analysis		+		

45	The VET institution demonstrates the availability of information about teaching staff to the public	+			
46	The VET institution demonstrates compliance with the principle of management accessibility and transparency of all personnel procedures	+			
47	The VET institution monitors the teaching staff activities, assesses the teachers competence, assesses the quality of teaching			+	
48	The workload of the teacher includes various activities		+		
49	The VET institution demonstrates evidence that teachers complete all kinds of scheduled load			+	
50	The VET institution demonstrates the availability of training, professional and personal development for the teaching staff and administrative and managerial personnel		+		
51	The VET institution provides targeted actions for the development of young teachers and the formation of a personnel reserve			+	
52	The VET institution monitors the satisfaction of the teaching staff		+		
53	The VET institution demonstrates the involvement of teaching staff in practical activities	+			
54	The VET institution demonstrates the IT competence of teaching staff members, the use of innovative methods and forms of training		+		
55	An important factor is the community involvement of teaching staff	+			
<b>TOTAL</b>		5	5	3	
<b>"Students" standard</b>					
56	The VET institution demonstrates the policy of training load formation and the transparency of its procedures	+			
57	The VET institution provides an opportunity for students to pass industrial training and professional practice in their specialty/qualification and monitor the satisfaction of students, heads of enterprises where they had practical training	+			
58	An important factor is the possibility of professional certification of students during the learning process		+		
59	An important factor is the availability of support for gift-ed students		+		

60	The VET institution makes the maximum effort to provide graduates with employment and maintain communication with graduates		+		
61	An important factor is the monitoring of employment and professional activity of graduates	+			
62	The VET institution creates a mechanism for monitoring the satisfaction of students with the VET institutions activities		+		
63	The VET institution demonstrates the feedback system for rapid presentation of information on the results of students assessment	+			
<b>TOTAL</b>		4	4		
<b>"FINANCE" standard</b>					
64	The VET institution demonstrates the consistency of the development strategy and management of financial flows in the VET institution		+		
65	The VET institution demonstrates the VET institution budget planning, short-term and medium-term plans	+			
66	The VET institution demonstrates the existence of a formalized financial management policy: statement of cash flows, statement of changes in equity	+			
67	The VET institution demonstrates the existence of an internal audit system and the results of regular external, independent audit		+		
68	The VET management proves the financial stability and viability of the educational institution		+		
69	The VET institution has a mechanism to assess the adequacy of financial provision of different types of activities		+		
70	The VET institution ensures transparency of budget allocation and its efficiency	+			
71	The VET institution has an effective mechanism of financial statements		+		
<b>TOTAL</b>		3	5		
<b>"Resources: material and information" standard</b>					
72	The VET institution demonstrates the compliance of the infrastructure with the specifics of its activities. Classrooms, offices, laboratories, communication and computer equipment and other facilities meet modern requirements		+		

73	The VET institution assesses the dynamics of material and technical resources and information development, the effectiveness of the evaluation results for adjustment in planning and budget allocation		+		
74	The VET institution has the learning environment, which includes:				
74.1	technological support of students and teaching staff in accordance with the programs (for example, online training, modeling in the classroom) and intelligent queries (databases, data analysis programs)		+		
74.2	academic accessibility: students have access to personalized interactive resources (also available in extracurricular time), as well as training materials and tasks, and the possibility of trial self-assessment of students' knowledge through remote access to the portal (website) of the VET institution	+			
74.3	academic advice: there are personalized interactive resources to help students plan and execute academic programs	+			
74.4	professional orientation: students have access to personalized interactive resources that assist in choosing and achieving career paths	+			
74.5	the required number of classrooms equipped with modern technical means of training: educational laboratories, modern training grounds, equipped with modern equipment, corresponding to the implemented educational programs, sanitary and epidemiological norms and requirements		+		
74.6	the required number of computer classes, reading rooms, multimedia and language laboratories, the number of seats in them		+		
74.7	book fund, including the fund of educational and methodical literature on paper and electronic media, periodicals in the context of languages of education		+		
74.8	free access to educational Internet resources	+			
75	The VET institution determines the degree of IT introduction in the process, monitor the use and development of innovative teaching technologies by the teaching staff members, including on the basis of ICT		+		
76	The VET institution demonstrates the availability of a web resource that reflects the mission, goals and objectives of the VET institution, the effectiveness of its use to improve the educational institution	+			

76.1	availability of adequate and objective information about the teaching staff on the portal (website) of the VET institution	+			
76.2	transparency of complaints handling information		+		
76.3	posting full objective information about the VET institution activity on its portal (website)	+			
76.4	posting external publications (quotes, links) about implementation of the mission, goals and objectives by the VET institution on the portal (site)		+		
76.5	use of information networks to inform the public and interested parties		+		
77	An important factor is the observance of copyright when posting educational and methodological materials in the public domain		+		
78	An important factor is to create conditions for the development and use of information and communication technologies by employees, teaching staff and students in the educational process and the VET institution activities.		+		
<b>TOTAL</b>		7	12		
<b>TOTAL IN GENERAL</b>		32	52	12	