

**INSTITUTE OF ECONOMICS AND QUALITY OF LIFE
TAMBOV STATE TECHNICAL UNIVERSITY –
START UP QUALITY**

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Abstract: The article discusses the questions of organization of Institute “Economics and quality of life” TSTU and its place in socio-economic development of the Tambov region. The scheme of regional platform of development, the vector diagram of development of the economic faculty of TSTU, the structural-functional scheme of Institute of “Economics and quality of life” TSTU, the functional scheme of educational-scientific facilities and the comparative analysis of the faculty of economics and Institute of “Economics and quality of life” of TSTU have been described.

The development of the Tambov region is connected with the formulation of net economic quality in the regional platform of development (Fig. 1).

The innovation «projector» of philosophy of quality makes a brighter field for the economics of quality in the open economic system “Administration of the Tambov region”, which enlarges the field of life quality of enterprises and organizations through transformations and changes.

Such changes enable to set up institutes of life quality at enterprises and organizations, for example, education organizations and their organizational structures. Mission, vision and creed of institutions of life quality are in complementary interdependence with mission (**M**), vision (**V**) and creed (**Cr**) (Fig. 1) of institution of quality of open economic system «Administration of the Tambov region» as a special institutional management organization (state organization structure).

The operation of the institute of quality in the open economic system “Administration of the Tambov region” is determined by the mission M (goal) of “the Tambov region institute of quality of life”.

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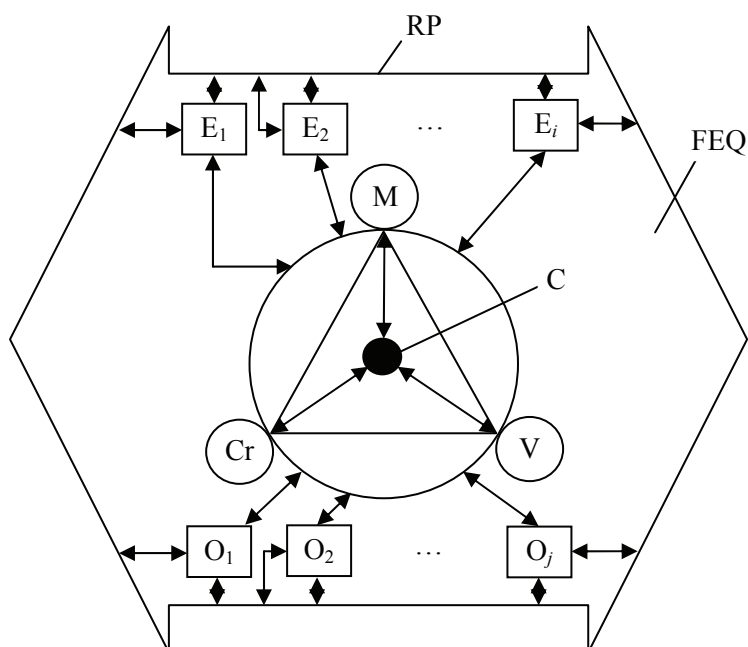


Fig. 1. Structural scheme of regional platform of development of the Tambov region:
 E_i – i enterprise; $i = \overline{1, n}$; n – quantity of enterprises; O_j – j enterprise; $j = \overline{1, m}$;
 m – quantity of organizations; C – core of quality; M – mission; V – vision; Cr – credo;
 $RP \equiv TQM$ – regional platform of development; TQM – vector of total quality management;
 FEQ – field of quality economy \equiv field of life quality

Mission M formulate vision V (goal-setting) through the programme “Strategy of socio-economic development of the Tambov region up to 2020 year” [1].

Credo Cr , like a vector of development (corporate culture) is based on four factor model, which united the culture of hierarchy (**CH**), the culture of competition (market) (**CC**), the culture of family (**CF**) and the culture of adhocracy (creativity) (**CCre**) [2, p. 124].

The concept “Culture” denotes, as a rule, the level of perfection (level of competition) of ability and also its non-pragmatic value (quality) [3, p. 271].

This allows to treat the concept of the “culture of hierarchy” as the optimal quality organizational structure of the Institute of quality of life and the concept of “family culture” as the “quality of instruction” to ensure the steady state operation of the quality of life of the Institute.

Fig. 2 shows the vector diagram of development of the economic faculty of Tambov State Technical University (**TSTU**).

Such a scenario of improving the quality of economic education **TSTU** transforms the economic department at the Institute of “Economics and quality of life” of **TSTU**; Fig. 3 shows its structural and functional diagram with following notation: **FQL** – the field of quality of life (economy quality); **IS** – Institutional shell (formal and informal institutions); **ZS** – zone synergies; **TQM** – multi-channel science vector of Total Quality Management; **1** – educational-scientific complex (**ESC**) of Department «Economic Analysis and Quality»; **2** – **ESC** of “Economics”; **3** – **ESC** of “Management”; **4** – **ESC** Department of “Quality Control and certification”; **5** – **ESC** Department

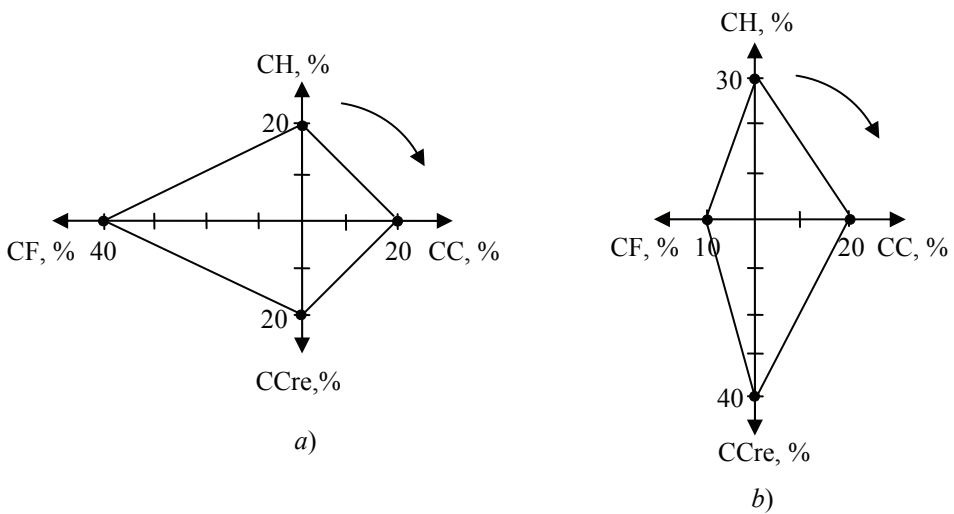


Fig. 2. Vector diagram of development of the faculty of economics TSTU:
a – «start» development; *b* – a new level of development

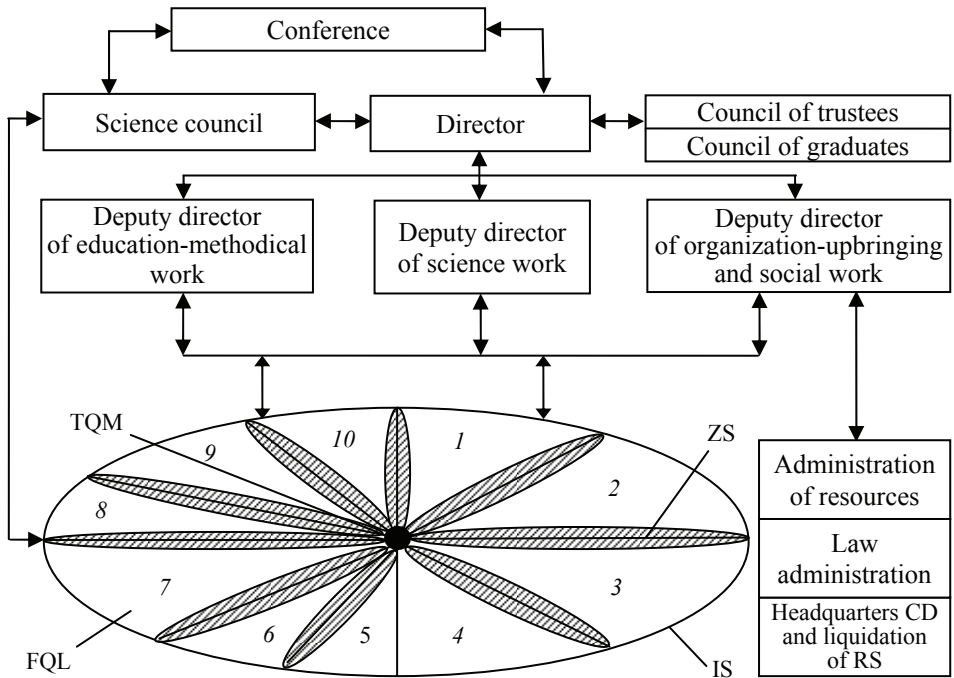


Fig. 3. Structural-functional scheme of the Institute of "Economics and quality of life" TSTU

of "Service and Marketing"; 6 – ESC Department of "Commerce and business informatics"; 7 – ESC Business incubator; 8 – ESC Center for Technology Transfer; 9 – ESC Control of quality management and strategic development; 10 – ESC Publishing center of Institute "Economic and quality of life".

In general, the institute of "Economics and quality of life" will be the educational, scientific and cultural center of TSTU, which conducts basic research on reserves and mechanisms to ensure and improve the quality of life

and prepare new professionals in the field of quality which is necessary for innovation and socio-economic development of the Tambov region and Russian society as a whole, based on the quality of the economy (knowledge economy). The mission of the Institute of “Economics and quality of life” includes: openness, creativity, discussion and competition.

Functioning of educational and research facilities of the Institute “Economics and quality of life” of TSTU based on the process approach is presented in the functional diagram shown in Fig. 4.

The instruments tuning the circuit in Fig. 4 on formal and informal institutional demands of the world market include a range of scientific tools: 1) scientific publications in peer-reviewed journals and books; 2) research laboratories; 3) research and education centers; 4) participation in contract projects and grants; 5) small innovative enterprise; 6) dissertations; 7) practice in the workplace; 8) contests; 9) conferences; 10) research scholarships and grants, 11) consulting; 12) outsourcing (cooperation).

A set of these 12 tools must be mastered with education complex of institution “Economic and quality of life” of TSTU. However, their optimal ratio should facilitate, in the first place, the quality of life of all individuals of teaching and educational complex (faculty, staff, bachelors, masters, doctoral and post-graduate students, university students, graduates, trainees, partners).

The strategy of selecting the above scientific instruments must be related to the stages of the life cycle status of education and training systems. Management of institutional quality “Economics of quality” is dominated by the features of a self-governing intellectual organization [4, c. 152 – 154].

According to TQM – navigator professor B. Z. Milner [4], management of the Institute “Economics and quality of life” TSTU must constantly inform individuals of the institute on the main issues of functioning of the institute “Economics and quality of life”, which include: 1) needs and wishes of consumers; 2) share of the market and information about the competition; 3) mission, vision and creed; 4) data on the satisfaction of the consumer; 5) development of quality indicators; 6) new products and services under development; 7) rules, regulations, work incentives, standards, formal and informal institutional requirements; 8) resources and investment; 9) the full financial report [4].

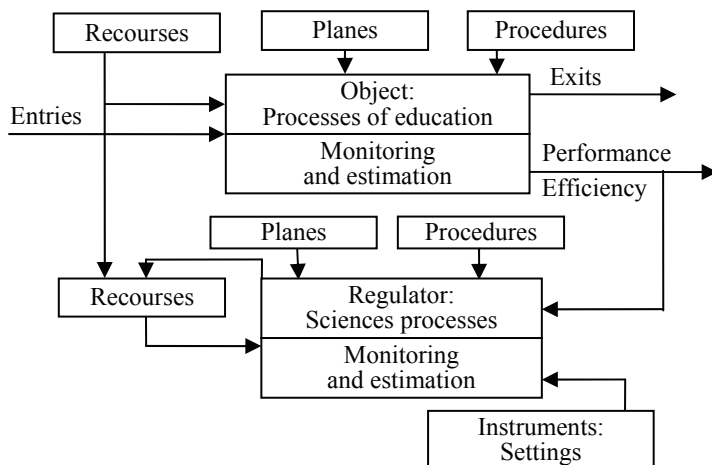


Fig. 4. Functional scheme of ESC operation: performance and efficiency

The ultimate goal of the Institute “Economics and quality of life” TSTU is to improve the quality of life of individuals in the field of quality (Fig. 2). Such an assessment can be made by changing the international (universal – Total) Human Development Index (**HDI**) in accordance with the passport of the quality of life of each individual institution of the Institute “Economics and quality of life” TSTU.

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**Институт экономики и качества жизни
ФГБОУ ВПО «Тамбовский государственный
технический университет» – стартовое качество**

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Ключевые фразы и фразы: институт; качество; развитие; факультет.

Аннотация: Рассмотрены вопросы организации института «Экономика и качество жизни» ФГБОУ ВПО «ТГТУ» и его места в социально-экономическом развитии Тамбовской области. Сформирована структурная схема региональной платформы развития, векторная диаграмма развития экономического факультета ФГБОУ ВПО «ТГТУ», структурно-функциональная схема института «Экономика и качество жизни» ФГБОУ ВПО «ТГТУ», функциональная схема состояния функционирования учебно-образовательного комплекса, а также дан сравнительный анализ экономического факультета и института «Экономика и качество жизни» ФГБОУ ВПО «ТГТУ».

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