Practically-Oriented Approach to Training at the National Research University "Moscow Power Engineering Institute" in the Conditions of "Industry 4.0" and Its Problems

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**PROBLEMS OF PRACTICE-ORIENTED EDUCATION ORGANIZATION**

- Acceleration of economy environment development
- Increase of internal tasks of practice quality support
- Search for new ways to attract partner enterprises
- Implementation of innovative technologies within the automation of educational process support

Comprehensive Problem Solving
What factors make the practice-oriented training organization difficult?

<table>
<thead>
<tr>
<th>Education standards</th>
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<td>Different goals of the university and employers</td>
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<td>Requirements of the economics or a specific customer - employer</td>
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<td>Involvement of additional resources</td>
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<td>Ability to select prospective staff</td>
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<td>Formation of standard skills at the university</td>
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<tr>
<td>Significant diversity in the requirements of enterprises from different economy sectors</td>
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<tr>
<td>Contradictions of social partnership for partner enterprises</td>
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RAPID DEVELOPMENT OF ECONOMIC ENVIRONMENT, AFFECTING PRACTICE-ORIENTED TRAINING

- Dynamics of professions demand spectrum in the labor market
- Industrial Features of the Industry 4.0 Digitalization Process
- Need to find ways to reduce the resources associated with practice organization
- Requirements of new tools for solving the problems of educational process supporting
- Increasing demands of information processing automation
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Coordination of University Various Services Efforts

- Department of Employment and Practical Forms of Training
- Directorates of institutes
- Employees of graduating departments
- Information and computing center
- Other university services
SIGNIFICANT INCREASE OF STUDENTS IN PROMISING PROFESSIONS ASSOCIATED WITH THE “DIGITALIZATION” DEVELOPMENT

- Search for new partner enterprises

Extension of standard ways of cooperation

- Long-term cooperation agreements
- Targeted training
- Round tables, job fairs, excursions
- Informing students
- Attracting enterprise specialists

Search for new measures of interaction

- Search for vacancies on exhibition sites
- Search at conferences, exhibitions on training profile
- Search for joint projects
Search for New Ways of Cooperation

JOB AND THE CITY 2019 (September 11 – 12, 2019)

The latest news and vacancies - directly from:

• employers,
• leading recruitment agencies,
• educational centers and start-ups.

Rich business program:

• lectures,
• seminars and master classes from leading coaches and market leaders,
• analysis of interesting cases,
• career development roundtables.

Interesting meetings and useful contacts
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Search for New Ways of Cooperation

National Project PROFTRAINEESHIP 2.0
(a platform where a student meets a potential employer)

PARTNERS

- Employer partners
- Educational organizations
- Students
- Strategic partners
- Information partners
Increasing of Internal Student Practices Supporting Tasks

Information flow of documents for practice registration
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IS “Practice”

2. Based on possibilities and wishes of the interested parties - directorates of the institutes and departments of MPEI.
3. Allows to:
   • organize the work of the personnel in accordance with the requirements of regulatory documents.
   • save the number of employees with a significantly larger amount of processed information and documents.
CONCLUSION

Program “IS Practice” allowed to:

• Eliminate problems arising from errors and typos when filling out documents
• Control submission of applications to the practice base from university departments
• Record all received applications for practice
• Significantly reduce (up to 30%) the complexity in the preparation, formation and processing of agreements for the practice
• Carry out the formation of "referrals to enterprises" for students to complete practical training
• Save the same staff and time for documents processing
Thank you for attention!

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