The Development of Education for the viability of labour market through the innovative vectors: MECHATRONICS – INTEGRONICS (M&I)

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ABSTRACT

The project “The Development of Education for the viability of labour market through the innovative vectors: MECHATRONICS – INTEGRONICS (M&I)”, financed by the Sector Operational Programme Human Resources Romania 2007-2013, responds to the directives of the Key Aria of Intervention 2.1 from the priority axis 2: Call for project proposal no. 90 – Learn a trade, on: carrying out a wide set of activities for promoting the new HIGH-TECH ADVANCED field of MECHATRONICS & INTEGRONICS, on the internal labour market, especially in the ranks of university higher education graduates. This apex field is an integrative science that offers a wide perspective on the contribution of science and technology to the unfolding of the programmes corresponding to the national strategies for sustainable economic development and aligning to the ones promoted at the community level.

INTRODUCTION

Promoting MECHATRONICS & INTEGRONICS will lead to the formation of new occupation niches on the labour market since their current occupation degree is very low at the national scale stemming from the lack of interest in concerns for specialization and facilitating the insertion of university higher education graduates in the fields.

The specific objectives pursued in the project:

- Improving learning conditions by industrial practice, that is to ensure higher capacity and the capabilities for absorbing young graduates on the labour market;
Developing and providing services for the orientation, counselling and guiding the transition from school to active life;

Formation, encouraging and developing partnerships between universities and enterprises with the view to ensure professional specialisation and staff absorption;

Promoting equal opportunities;

Occupation programme multiregional development;

Promoting innovative actions on the transition from school to active life. Within the target group, the project regards highly important the formation of specialized staff for:

Counselling, orientating and professional during and at the end of the higher learning circle.

Activities of interface in the perfecting of contracts and partnerships between universities and enterprises (productive commercial societies, of import-export, research and development institutes), for unwinding strategies of practical training of students.

On the long term, the project will generate positive effects, such as:

Developing occupational programmes at the national and trans-national scale;

Aligning and integrating in European educational desiderata;

Innovative developments meant to favour insertions and assimilations towards new modern occupational fields on the market labour;

Increase in the occupational degree based on safe fields and perspective ascending trend fields facilitating the sources of integration on the national/international labour market.

FORSEEN RESULTS

The anticipated results of the project, quantified on the basis of indicators:

Forming the management team; management procedures; logistics for management;

Acquisition lists, documentations for equipment and services, reports;

Organizing promoting, information and media campaigns; promotion plan, information and media plan, presenting and promoting conference; promoting and media campaigns, etc.;

Building the target group (selecting and constituting the strategy and the programme);

Stuff groups (students in final years of faculties specialized in mechatronics and integronics, practical instruction trainers/tutors and staff – interface between universities and commercial societies, for perfecting practical instruction contracts);

Databases structured on objectives/target groups;

Planning the instruction in target groups;

Development, implementation, modernizing and evaluation, counselling and professional orientation reports (body of counsels, programme of service, counselling and professional orientation);

Methodological and information documentations;

Strategies of counselling in the university environment;

Monitoring and annual evaluation reports;
Coercive measures programmes, measures of organizing practical training stages for students;
Partnership contracts between universities and commercial societies for practical training;
Body of tutors for practical training in the host enterprise;
Stages of practical instruction of students;
Reports of monitoring and evaluation of practical training stages;
Round table for experience exchange between partners;
Reports of external audit of the project;
Etc.

GLOBAL INDICATORS

Output indicators:
- No. of tutors who will take part in the instruction: 21
- No. of studies, analyses, reports, strategies: 12
- No. of partnerships for experience exchange and good practices: 18
- No. of students aided in the transaction from school to active life: 360
- No. of beneficiaries of the services of career counselling: 400.

Results indicators:
- The share of aided students in the transaction from school to active life: 55%
- The share of persons who benefited from counselling/orientation and who found a job: 50%
- Persons who benefited from counselling/orientation and who continued their studies: 200.

Target group:
- Staff in enterprises with tutor abilities: 21
- Young graduates (in the first stage of the first relevant job): 100
- Young graduates: 100.

CONCLUSIONS

In conclusion, the current project aims at accomplishing the development objectives in Romania, with the view to reduce as fast as possible the gaps from the EU, by the development and the most efficient use possible of the human capital of Romania, complementarily to the EU strategy and the provisions of the reference National Strategy Framework 2007–2013.

REFERENCES