



EU Tempus Programme

Project entitled
«Modernization of two cycles (MA, BA) of competence-based curricula in
Material Engineering according to the best experience of Bologna Process»
- MMATENG -

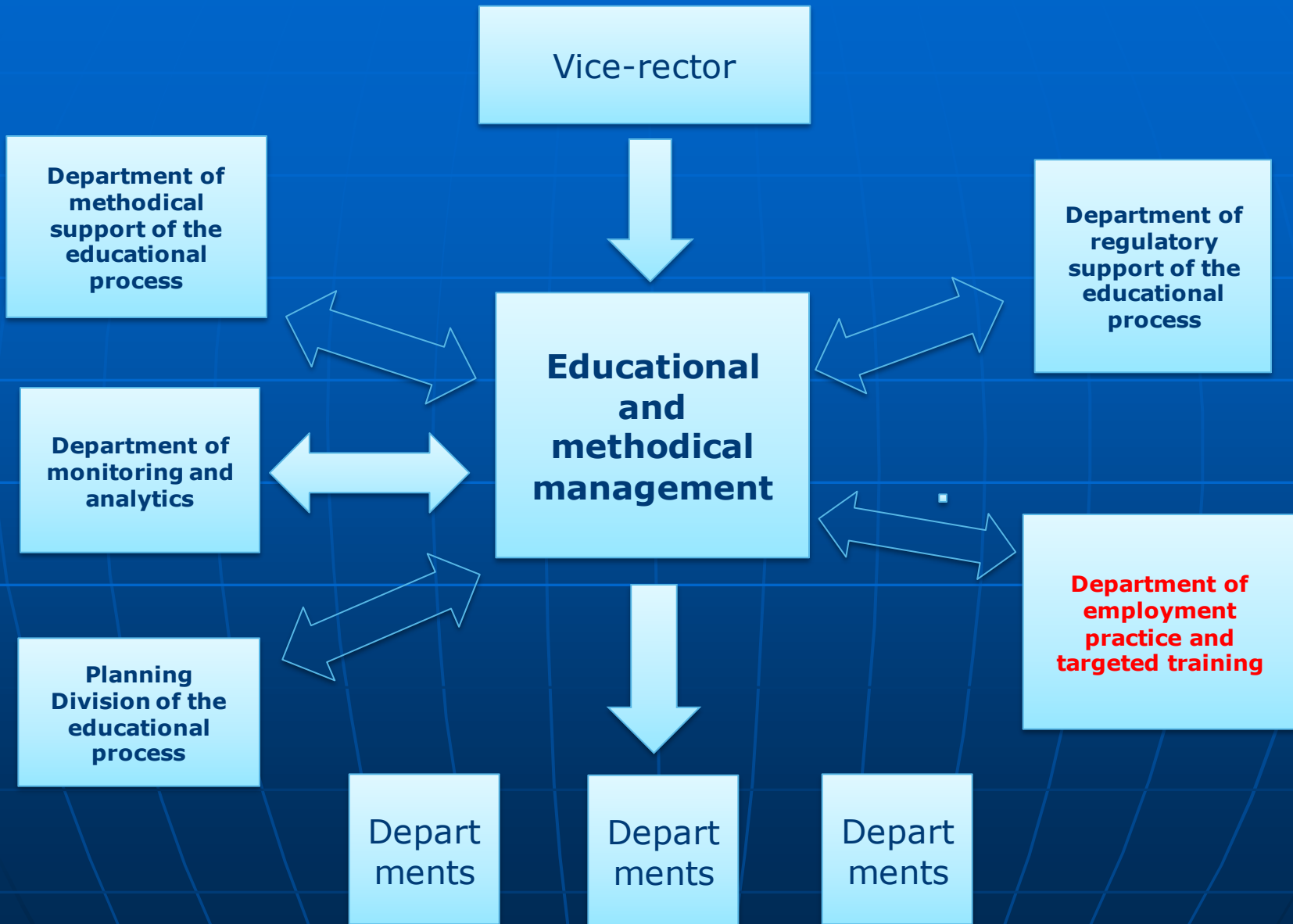
P11-Kazan National Research Technical University

MESO office @ MESO Lab

Assist. Prof. Mikhail Klabukov.

Berlin, 1-5 December 2015

Teaching Process Manage Structure



MESO (EMM) in KNRTU-KAI

Main functions:

- 1) Assistance for finding employment on a permanent job,
- 2) Organization of employment of students in their free time: training and practice
- 3) Psychological help in the professional self-determination and adaptation to future career,
- 4) Organization of events: job fairs, presentations, meetings of employers with students.
- 5) Interaction with stakeholders (e.g. Chamber of Commerce etc.):
 - Participation in the Joint Coordinating Board, technical advice, the implementation scheme of cluster formation.
 - Participation in shaping the strategy of the university, policy proposals and the content of students' practice in enterprises

Department of employment practice and targeted training

The main activities:
the organization of job fairs (at the University of 2 times a year)
organization practice in enterprises-employers;
contracts target training contracts (1 st year for admission)



Companies-employers :

ОАО КАПО ИМ. С.П. ГОРБУНОВА
ОАО «КАЗАНСКИЙ ВЕРТОЛЕТНЫЙ ЗАВОД»
ОАО КЗ «ЭЛЕКТРОПРИБОР»
ОАО «НАУЧНО-ПРОИЗВОДСТВЕННОЕ
«РАДИОЭЛЕКТРОНИКА» ИМ. В.И. ШИМКО»
АО «РАМЕНСКИЙ ПРИБОРОСТРОИТЕЛЬНЫЙ
ЗАВОД»
ЗАО «КМПО-КОМПОЗИТ»
НАУЧНО-ПРОИЗВОДСТВЕННАЯ ФИРМА
«ИНТЕГРАЛ+»
ОА «ИЭМЗ «КУПОЛ»
ИНОВАЦИОННЫЙ ХОЛДИНГ «ШВАБЕ»
ЗАО «ЭНИКС»
ОАО НПО ГИПО
ОАО «ВЯТСКОЕ МАШИНОСТРОИТЕЛЬНОЕ
ПРЕДПРИЯТИЕ «АВИТЕК»

During the visit the management of the company «Siemens» in the Republic of Tatarstan, the German company signed a cooperation agreement with Kazan National Research Technological University. AN Tupolev (KNRTU-KAI).



Document was signed by the rector of the university and president Albert Gilmutdinov "Siemens" in Russia Dietrich Moeller. The ceremony was held in the presence of the President of Tatarstan Rustam Minnikhanov.

Areas of cooperation:

In the scientific field:

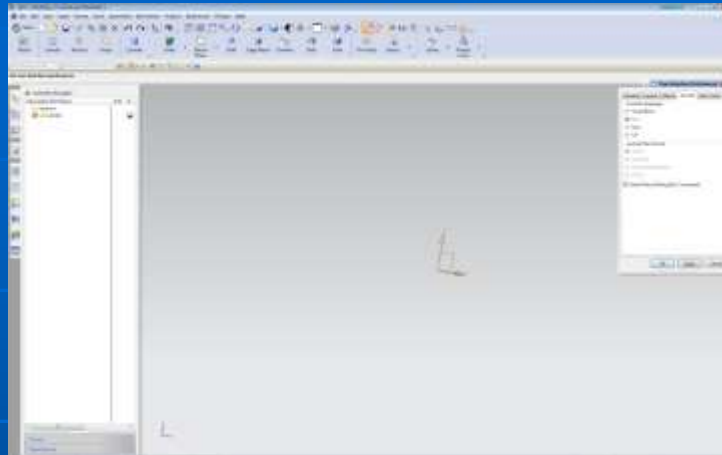
- The joint research activities;
- The development of internship programs for university students in enterprises "Siemens".
- Create KNRTU-based KAI specialized laboratories that equipping concern.
- Placement test benches concern at the university.
- Providing university research centers necessary technical support.

In the field of education:

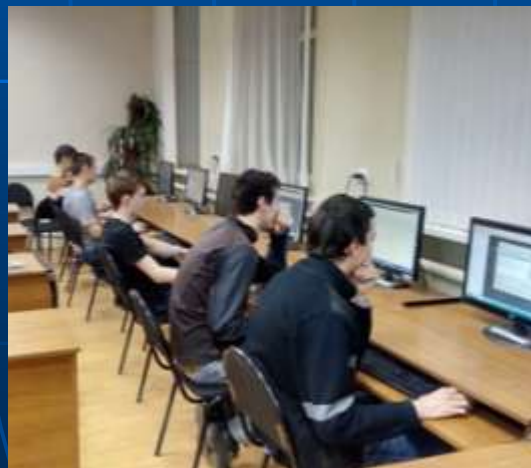
- Develop training programs and refresher courses for professionals at various levels.

MESO-laboratory

Classroom for
MESO-lab:
Building of
University No. 1,
Room No. 323
Size: 7x8 m
Working Places: 13

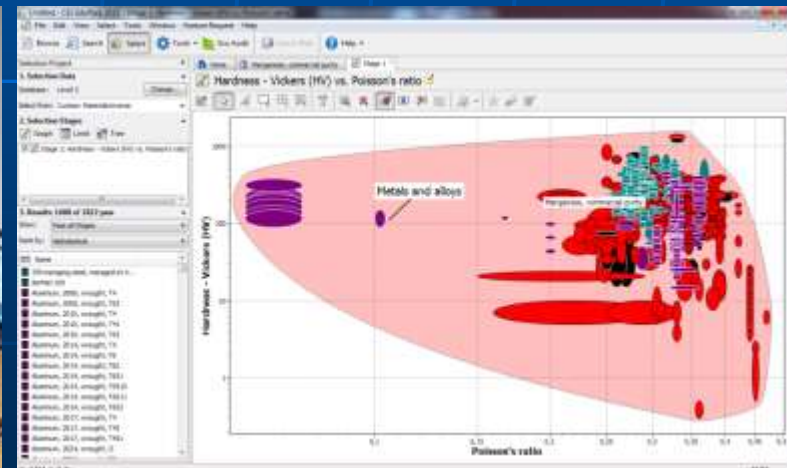


Room No. 321
Size: 6x7 m
Working Places: 8



Software :

- Siemens NX
- EDU Pack



The scope of the program «Siemens NX» and «EDUPack»



- In the development of die tooling for volume hot stamping and cold stamping;
- When designing molds for making models of castings, gating system, accurate methods of casting rods (DML, mold casting, shell casting, etc.);
- In the development of assembly and welding fixtures for fusion welding of different ways, and the pressure



Thank you!