



# **INNOVATION MANAGEMENT IN INDUSTRIES**

**MASTER'S DEGREE PROGRAMME**



## PROGRAM ADVANTAGES

- ✓ The program is aimed at developing professional competencies in the field of addressing strategic and tactical tasks in innovation management of industrial enterprises, start-ups, venture and business angel investment companies, infrastructure facilities.
- ✓ The educational process is focused on the theory and practice of innovation management.
- ✓ Academic staff consists of highly qualified scientists and practitioners of the ROSTEC State Corporation.
- ✓ Traditionally, student groups include managers and employees receiving the training as per employer-sponsored education contracts.
- ✓ In order to build practical skills, students write course papers in line with the area of research concentration of their academic department. These course papers contain management tasks that are performed using the data of specific companies. Also, our students work on their Master's thesis.
- ✓ The training program is an original customized course in advanced innovation development management, technological superiority and market leadership of high-tech enterprises, including corporations and start-ups, as well as higher education institutions, scientific organizations and territories based on the formation of management systems of unique technological competencies (UTC), centers of global excellence, search and attraction of necessary external UTC, systems for managing requests for external innovations (technological requests), systems for managing TRIZ (TIPS) practice and training.
- ✓ The training envisages addressing practical problems of innovation management, including the evaluation of innovation projects submitted to the Center for Open Innovations of ROSTEC State Corporation, the formation of UTC and requests for external innovations.





# STUDYING PROCCESS

**120 credits.**

Lectures, practicums and self-study, research activity on the master level (1st and 2nd years of tuition) and pre-graduate practice (2nd year)



## MANAGERIAL ECONOMICS

- Economics and managerial decision-making.
- Theory of consumer behaviour and market demand.
- Theory of production, cost of production, profit and market supply.
- Market structures.
- Decision-making in the context of risk uncertainty and information asymmetry.
- Markets of production factors.
- The state, society and corporate managerial decisions.



## RESEARCH METHODS IN MANAGEMENT

- Management as a research subject.
- General methodological approaches to management study.
- Combined research methods.
- Planning and conducting of management systems research.
- Requirements for research managers.



## СОВРЕМЕННЫЙ СТРАТЕГИЧЕСКИЙ АНАЛИЗ

- Analysis of a company's external environment.
- Analysis of resources and capabilities.
- Key types of corporate strategy and its components.
- Main characteristics and types of corporate business strategies.
- Rationalising and choosing the company's strategic position.
- Management of an innovation company based on Balanced Scorecard (BSC) and Key Performance Indicators (KPI).



- Corporate management structures.
- Production process management systems.
- Global strategies and multinational corporations.
- Organisational change management.



## **CORPORATE FINANCE**

- Theoretical fundamentals of corporate finance.
- Financial and economic analysis of statements.
- Financial environment: markets and financial institutions.
- Risk and ROA assessment tools.
- Securities: concepts, types, yields.
- Corporate capital value.
- Corporation appraisal and sources of financing.



## **PRODUCTION MANAGEMENT**

- Production and economic system: general model, KPIs.
- Basics of industrial engineering.
- Operations management.
- Principles of high-tech production management Basics of operational production management.
- Problems of high-tech production management in changing environments and limited process observability.



## INNOVATION MANAGEMENT

- Innovation management and innovation theory.
- Historic background of innovation theory as a science.
- Innovations as subject of innovation management.
- Innovation processes, models and new methods of process management.
- Management of innovations as intellectual property assets.
- Innovative infrastructure institutions and their upgradability.
- A new perspective on the problem of efficient institutions.
- Management of national innovation systems.
- Unsolved problems.
- Innovation management and intellectual resources.
- Knowledge and intellectual resources management problem.
- Creativity and creative technologies in innovation management.



## COMPETITIVENESS MANAGEMENT

- Competitiveness as a dynamic category conditioned by external factors most of which can be considered controlled parameters.
- Competitiveness of a company's capability.
- Output quality management.
- Main aspects of the National Competitiveness Support Program.
- Theoretical basics of competitiveness.
- Role of competition in market economy development.



# STUDENTS FEEDBACK

## **IRINA SHULIMOVA**



My name is Irina Shulimova. In 2019 I successfully completed my studies in in Management (concentrating on Innovation Management in Industry at the Center for Industries Management of RUDN's Faculty of Economics and received a master's degree.

First of all, I would like to thank the professional academic staff for imparting all the necessary knowledge to us in a short time and illustrating the most important aspects with examples from their extensive professional experience. The curriculum keeps up with the times and is constantly updated, so I can assure you that all the skills acquired will be useful in practical activity. This track of study is the best choice for those who really aspire to develop in innovation management.

Such a high-quality education will surely lead its graduates to a professional success in the future. ”

## **REGINA SAMOFALOVA**



My name is Regina Samofalova. I graduated from the Center for Industries Management of the Faculty of Economics, RUDN, in 2019 and was awarded a master's degree in Management. Over the course of my studies I developed new competences and acquired skills that will help me to fulfil my potential as a professional in the future.

I would like to thank the highly professional faculty members for the theoretical and practical knowledge provided. I also made a lot of friends during this program. I can recommend it to anyone who wants to boost their professional knowledge. ”





# HEAD OF THE PROGRAMME

## ALEKSANDR KASHIRIN



Doctor of Economics, Professor, Head of the Innovation Management and International Economic Activity Department, Academic Director of the ROSTEC-RUDN Center for Open Innovations. Deputy Chairman of the Scientific and Technical Council of ROSTEC State Corporation.

**Doctoral Thesis:** Development of Mechanisms for Advanced Innovative Development of State Corporations Based on Unique Technological Competencies.

### AREAS OF RESEARCH CONCENTRATION:

Innovation Management, Venture Investment, Building and Commercialization of New Competencies.

Author of scientific papers in peer-reviewed Russian and foreign academic journals (SCOPUS, Web of Science, journals endorsed by the RF Higher Attestation Commission (VAK)), regular speaker at Russian and international conferences on innovation management and industrial development. Co-author of study guides Venture Financing of Innovations, Digital Enterprise Management Tools, Development and Management of Key Competencies in Corporations: World's Best Practices.

Organizer of a number of events, forums, educational programs and seminars on innovation and commercialization of competencies.

Multiple grantee for research and scientific events of Russian and foreign research foundations.