



Research Areas - Centro Paula Souza

Permanent Commission for Full Time Regime - CPRJI

Central administration



INFORMATION AND COMMUNICATION

Quantum Computing: Protocols and Algorithms

Computational Intelligence: Artificial Intelligence, Big Data, Data Mining, Data Analysis, Systems.

Free Software

Information Technology and Humanitarian Logistics



FOOD PRODUCTION

Food Taste Education Nutrition and Social Innovation for the Elderly

Sports nutrition Beer Production Food Quality and Safety

Technologies of Food Production



INFRASTRUCTURE AND SAFETY

Development of Information Systems for Decision Making

Urban Mobility and Accessibility

Programming and Management of Construction

Smart Cities

Sustainability

Naval Technology

Technologies and Processes in Civil Construction



INDUSTRIAL PROCESS CONTROL

Mineralogical Analysis

Mechanical Property of Materials

Sensors for Dynamic Positioning

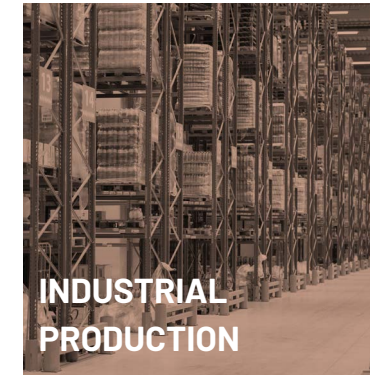
Simulations of Molecular Dynamics

Systems of Fault Detection

Materials Technology

Technologies of Food Process

Surface Treatment and Tribology



INDUSTRIAL PRODUCTION

Industrial Automation

Product Design

Advanced Manufacturing

Materials for Photonics and Nanotechnology

Quantum Mechanics

Continuous Improvement

Image Processing

Fermentation Processes

Beer Production

Robotics

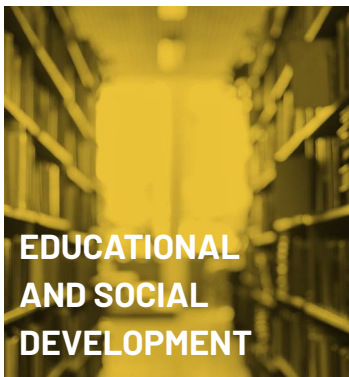
Aeronautical Technology

Assistive Technology

Packaging Technology

Naval Technology

Textile Technologies



and Technological Professional Education

Digital Educational Resources

Systems of Learning Assessment

Digital Technologies of Information and Communication

BIG DATA

Design Thinking

Economic and Financial Education

Emotional Education

Remote Teaching

Academic Literacy

Applied Linguistics

Active Methodologies

Computational Thinking in the Learning Process

Policy, Management and Assessment of Technical



Acoustics

Audio for Games

Public Policies for Independent Art

Assistive Technologies



Behavioral Economics

Regional and Urban Economics

Entrepreneurship

Economic Financialization

Innovation and Technology

Logistics

Economic Mapping

Public policies



Infectious Diseases and Public Health

Social Inclusion

Environmental Health

Assistive Technology

Technology of Biomedical Materials

Technologies of Water Desalination

Technologies for Family Farming

Technologies for Forestation Control

Technologies for Information Management in Hospital Management and Biomedical Systems



Precision Agriculture

Environmental Analysis

Wood Industrialization

Economic Mapping

Biodegradation Models

Biofuels Production

Systems of Water Preservation

Multifunctional Forest Systems

Softwares of Information Management and Data Mining

Sustainability

Technology of Seedling Production

