VERTICALLY INTEGRATED PROJECTS AT RĪGA STRADIŅŠ UNIVERSITY (LATVIA)

COLLABORATING, INNOVATING, EMPOWERING
• 10500 students
  (2500 international students from 77 countries)

• 57 study programmes
  (7 English-taught programmes)

• 35 study bases

• Business incubator – B-Space
VIPs are a new and innovative addition to the learning process providing students of all levels with important practical knowledge in conducting research activities

VIP - study course with research activities

VIP teams are:

- Multidisciplinary integrated - students from different disciplines and backgrounds
- Vertically integrated - students from various years
- Scale - between 5 and 15 students
- Long-term - students can work in a VIP team for the duration of their studies
VIP Teams at RSU

Ongoing VIPs:
- VIP Ergonomic Workplaces in a Healthy Environment: Ergonomics
- VIP Ergonomic Workplaces in a Healthy Environment: Indoor Air Quality
- VIP Psychological help
- VIP Public health
- VIP Life-Threatening Diseases in Neonates

Past VIPs:
- VIP Microbiology
- VIP Celiac Disease Research Program for Children in Latvia
- VIP State Performance and Biosocial Relatedness
VIP Public Health

Started spring semester 2024 with 13 students.
Background fields for students: Public health, Medicine, Pharmacy, Communication.
Reasons for applying for VIP:
• No prior research experience.
• Interest in understanding real-life applications of public health.
• Previous experience in a similar VIP program but couldn't continue due to scheduling conflicts.

Pros:
• Multidisciplinary approach.
• Students with diverse experiences and backgrounds.
• Opportunity for both on-site and online participation.

Cons:
• Short duration of one semester (impacts outcomes).
• Challenges for students in managing their schedules.

To be continued...
Emori is a mobile app designed to improve emotional regulation

The app offers:

- Assessment of emotional regulation skills
- Practical tasks with elements of art therapy
- Daily mood tracking

Emori is developed in collaboration with Latvian universities during VIP
→ prototype development stage
Smart Air Tracker

• Students at Riga Technical University and Riga Stradins University have developed a prototype of **air purification and disinfection robot**
• VIP team tests the developed solution in a controlled environment
• Monitors indoor air quality to assess the concentration of different particulate matter
Improvement of Governance Processes and Modernisation of Contents of Study Programmes at Rīga Stradiņš University:

→ Piloting VIP

HEI Innovation for Knowledge Intensive Entrepreneurship EIT HIVE:

→ pilot at least one VIP and evaluate the piloted VIP.
  - The University of Latvia
  - Czech University of Life Sciences, Czech Republic
  - Ted University, Turkey
### Name of your VIP course
- Human factors and ergonomics - the basis for a healthy and productive working environment
- VIP 200-Vertically Integrated Project I → Sustainable development goals
- BETTER Life Socially engaged research in life science

### Total No. of students

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<th></th>
<th>UL</th>
<th>TEDU</th>
<th>CZE</th>
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<tr>
<td>Undergraduates</td>
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<tr>
<td>PhD students</td>
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### Disciplines students come from
- Work environment protection and safety, Occupational health, Management, Industrial engineering
- Economics, Psychology, Computer Engineering, Electrical -Electronics Engineering
- Forestry, Economy, Forestry and Wood Economics, Hunting and Forest Zoology, Humanities

### How the VIP course is being piloted
- As separate course not related to study process
- As elective course in curricula
- As separate course not related to study process
Sustainability in the future

36. If a student has participated in a study course of Vertically Integrated Projects (hereinafter - VIP) for two academic years (four semesters), has successfully defended the VIP research paper and has participated in an international conference with this paper, it may be considered as a Research Paper developed and defended by the student. The student shall submit a statement on his/her involvement in the VIP study course, approved by RSU Vice-Rector for Science to the Dean.
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