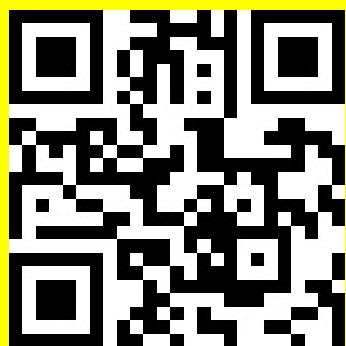




PERKŪNAS ⚡
RACING TEAM

Sponsorship Brochure

Kauno technologijos universitetas



Our Vision

We are a **progressive** Formula Student team dedicated to designing, engineering, and manufacturing for **international competition**. By blending technical innovation, creativity, and practical application, we empower our members to turn **academic knowledge** into real-world **engineering solutions**.

At the core of our mission is developing **future leaders** in engineering, business, and technology. Through hands-on **teamwork** and **collaboration**, our members gain critical project management, communication, and problem-solving skills.

We are committed to fostering a culture of **innovation**, **continuous learning**, and strong **industry partnerships** as we push the limits of student motorsport.

Project Timeline

Team Formation & Training (Early 2025):

Building a strong technical base in **engineering design, vehicle dynamics, and competition regulations**.

Sponsorship Acquisition (Spring 2025):

Forming **industry partnerships** to secure essential **resources and support**.

Design Phase (Summer 2025):

Using **advanced simulations** to optimise aerodynamics, structural integrity, and performance.

Manufacturing (Autumn 2025):

Fabricating and assembling the chassis, suspension, and powertrain.

Testing & Refinement (Winter 2025–2026):

Evaluating and enhancing handling, durability, and efficiency through bench and track testing.

Competition Preparation (Spring 2026):

Fine-tuning, driver training, and preparing for technical and business presentations at the event.

Planned Specifications

Engine:

600cc 4-cylinder **internal combustion engine**.

Target Weight:

Aiming for a total weight of **300 kg**.

Chassis:

High-strength **steel tube frame** optimized for stiffness, safety, and ease of manufacturing.

Suspension:

Double wishbone setup on all corners for **precision handling** and **tunable performance**.

Focus Areas:

Prioritising **reliability**, **manufacturability**, and strong **foundations** for continuous development and future team success.

Formula Student Competition

Formula Student is one of the world's premier engineering competitions, which brings together university **student** engineers from around the globe to showcase their skills in **design, manufacturing, testing, and project management**.

The competition challenges teams both **on and off the track**. Teams must present a full **business case**, including **marketing plans, production feasibility, and cost analysis**, simulating a real-world product launch.

Success relies on **creativity, technical excellence, innovation, and teamwork**, making Formula Student a true proving ground for the next generation of engineering and business leaders.

Teams compete in both **static** and **dynamic events**:

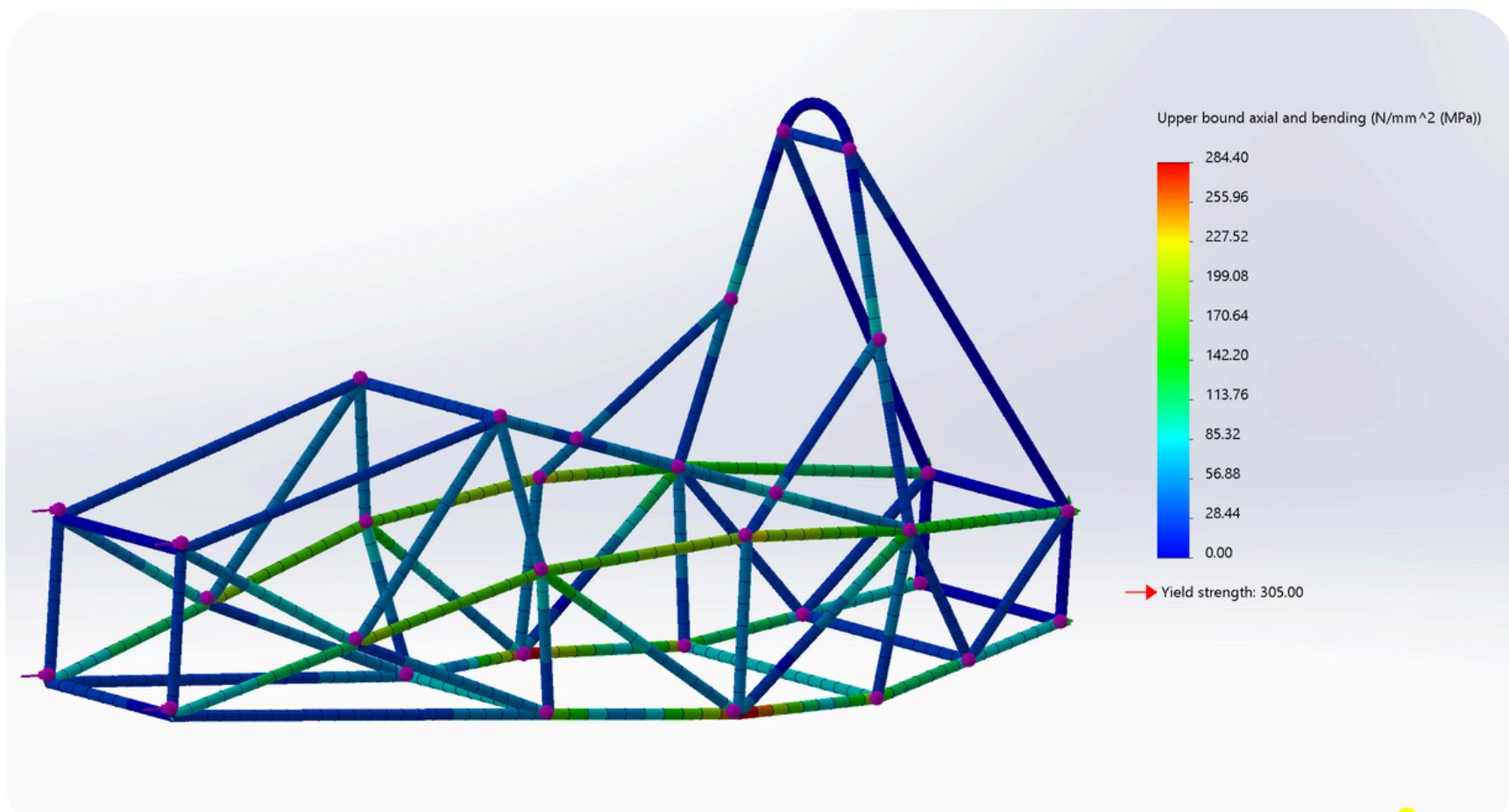
- **Static events** assess engineering design, cost, business strategy, and vehicle compliance.
- **Dynamic events** test acceleration, handling, efficiency, and endurance through a series of competitive runs.

Current Progress

Since our formation in early 2025, KTU Perkūnas Racing Team has gained strong momentum. We've brought together a **talented team** of nearly 80 students from diverse **engineering** and **business** backgrounds. Our clear **departmental structure** has enabled focused sub-teams in key areas such as chassis, powertrain, electronics, suspension, and business operations.

We are currently refining the **conceptual design** of the chassis, and our team is working hard to optimise its structure and performance. With **prototyping** and **production** phases on the horizon, we are set for steady progress.

This is just the beginning, and we're excited to continue progressing with the same momentum and energy.



Team Structure

Benas Lukoševičius, Chief Engineer

Deivid Mico, Deputy Chief Engineer

Body & Chassis

Responsible for the vehicle **body structure, aerodynamics, safety, stiffness, and weight optimization**.

Powertrain

Integrates the **engine, drivetrain, cooling, and fuel systems**, ensuring **effective power transmission and durability** in competitive conditions.

Electronics & Software

Designs and builds the **electrical components**, including **data acquisition, wiring harness, and driver interface technologies**.

Suspension

Focuses on **wheel assemblies, geometry, springs, dampers, and kinematics**, maximising performance, stability, and handling on track.

Business & Marketing

Manages public relations, **branding, social media, sponsorship acquisition, event planning**, and ensures the **financial health** of the project through **fundraising and marketing efforts**.

Why Join Us at the Beginning

Sponsoring KTU Perkūnas Racing Team offers a **premium opportunity** to be part of a dynamic Formula Student programme from the very start. As an original sponsor, your brand will receive **high-profile visibility** on our **race car, team kit, and through promotions, events, and competition displays.**

Sponsors will have a unique opportunity to influence our technical, strategic, and operational development, forging a direct connection with the next generation of **engineers and innovators**. This partnership provides an **instant link with education**, enabling you to shape future talent.

We aim to build **long-term relationships** that span multiple seasons, ensuring ongoing mutual benefit. Your support also grants you priority access to a talented pool of **engineering students for future employment and internship opportunities.**

By joining us from the beginning, you're part of our entire journey — from concept to competition, helping to create not just a race car, but a culture of innovation and excellence.

Resources Needed

Manufacturing Area and Equipment

Access to **workshops** and **fabrication facilities** to build and assemble car components.

Composite Materials

Carbon fibre, resins, and other materials for lightweight structure.

Electronics Components

Sensors, wiring, ECUs, and **data systems** for motor monitoring and control.

Safety Equipment

Racing seats, harnesses, helmets, and other **FIA-approved** safety gear.

Testing Facilities

Tracks, wind tunnels, and **test rigs** for performance testing.

Transportation Support

Logistics for transporting the equipment and the vehicle to **testing** and **events**.

Technical Expertise and Mentorship

Guidance and advice from experienced engineers and **industry experts**.

Current Collaborators

 Ansys





PERKŪNAS

RACING TEAM

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