

INTERNATIONAL VISIT TO CZECH REPUBLIC–FRANCE



Dr.V.Cyril Raj & Dr.V.Natarajan



**CITÉ
INTERNATIONALE
UNIVERSITAIRE
DE PARIS**



**TECHNICAL
UNIVERSITY
OF LIBEREC**



IP PARIS

17 Oct 2025 to 02 Nov 2025

OCTOBER 2025



Dr. A. C. Shanmugam,
B.A., L.L.B, FIMSA, FRCPS (GLASGOW, UK)
FORMER M.L.A & M.P
CHANCELLOR



Er. A. C. S. Arun Kumar,
B.TECH (HONS), LMISTE, MIEE,
LMCSI, CENG (INDIA)
PRESIDENT

We would like to sincerely thank you for deputing us as Representative of our University to Czech Republic and France for this visit.

Your leadership and vision for the institution are truly inspiring, and as per your instructions, we have explored all the possibilities for collaboration between our institution and Czech & French Institutions. A detailed outcome is presented in this report.

Once again, we thank you for your generosity and support.

Dr. V. Cyril Raj & Dr. V. Natarajan

**THANK YOU
SIR**

Follow-up Metting

Liberec, October 24

Cyril Raj, Natarajan

Marcela Válková, Šimon Kovář, Jan Valtera

1. Studies Promotion

a. Online workshops

- i. Mid November (dates 11.-13.11.2025) – 3 topics+exact dates and time (10:00) 3 sessions, google meet
- ii. Mechanical Engineering, Electronics & Communications, Electrical Engineering, Computes Science & Information Technology
- iii. 50 students (2nd, 3rd, final year)

2. Short visit of 20 students (20 students from DRMGR for 2 weeks) - April

- a. Onsite visit (companies, FME laboratories, research projects outuputs
- b. Accommodation at dormitories?
- c. Dates will be arranged afte the online workshops (suggested by DRMGR)

3. Visit to India

- a. Meeting with students, Inteviews

4. Convocation invitation

- a. TUL rector + FME dean (Invitation of Ambassador) – September-November'26
- b. Ask rector and dean in advance
- c. Combine it with online workshops

5. TUL/DRMGR international konference Indo/Czech

- a. Nov-Dec 2026
- b. Onsite presentation

6. Coir/banana Spinning Technology

- a. Project for final year student of Undegrad studies (DrMGR – project at KTS TUL for one semester – related to coir spinning unit design)
- b. Diploma thesis (Master degree)

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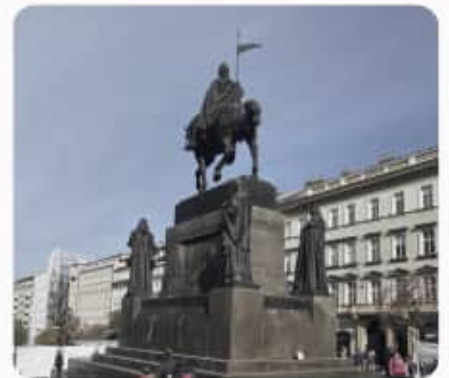
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Dr. Cyril Raj and Dr. V. Natarajan with Dr. J. Beran, Professor & Past HOD of Textile Machine Building Dept of Faculty of Mech Engg TUL at Liberec on 17/10/25



Visited some of the historic place at Prague which is the capital city of Czech Republic. Which is 90 km away from the city Liberec where TUL university is located.

MEETING WITH MECHANICAL ENGG. FACULTY



Day 1 : 20/10/25

10:30 AM: Meeting with Dean, Faculty of Mechanical Engineering, Dr. J. Moravec, Vice-Dean Dr. J. Valtera, Dr. M. Bilek (Head of Department, Textile Machine Design), and Prof. Dr. J. Beran (Textile Machine Design).

- Discussion on MoU New Annexure to include the Department of Mechanical Engineering (MGR).
- Joint research collaboration.
- Online demo of TUL Labs for MGR students scheduled for November 2025.
- Joint conference at Chennai in November/December 2026.
- MGR student exchange program in May 2026.
- TUL student exchange program in July 2026.

1:00 PM: Meeting with professors from the University of Tuzla, Bosnia: Dr. Halilovic and Dr. Osmanovic.

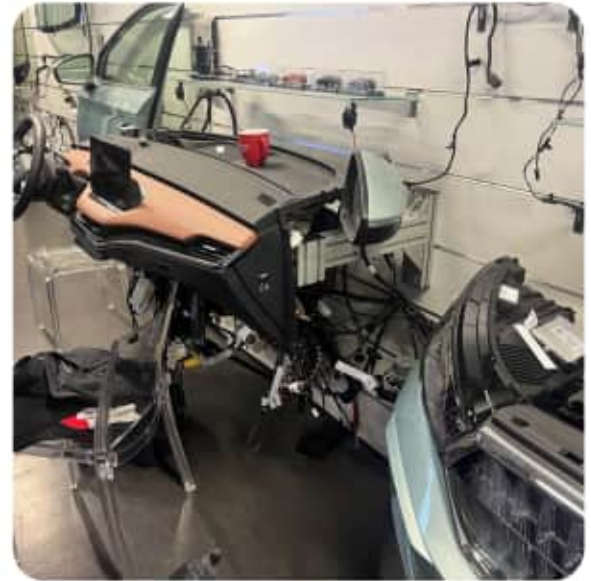
2:00 PM: Visit to the Faculty of Mechanical Engineering Labs:

- Department of Machines & Mechanisms, Dr. Peter Zeleny.
- Department of Manufacturing Systems & Automation, Dr. J. Mendricky.

5:00 PM: Deepavali Celebration with foreign students at the Faculty of Mechanical Engineering.



SKODA CAR LAB



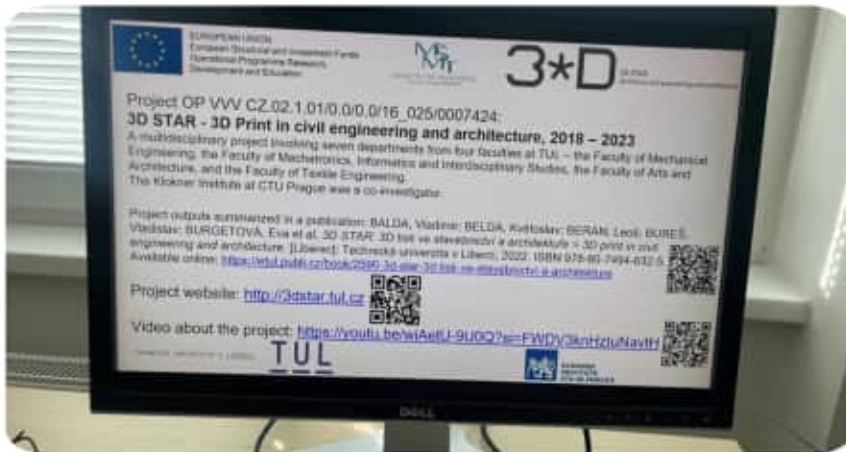
SKODA CAR LAB



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Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
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University with Global Ambitions, LIBRE



CAMPUS VIEW

2025



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PRESENTATION TO DEANS & HODS



Day 2 : 21/10/25

10:00 AM: Visit to the Bio-Engineering Lab and meeting with former Rector and Professor Dr. D. Lukas.

- Introduction to the new nano-fiber production machine.
- Scaffolding for wound healing. Braiding of nano-fiber yarn.
- Fabric with endless yarn for wound healing applications.

11:00 AM: Visit to the Nanofiber yarn and sheet-making machine in the Textile Machine Design Department.

- Presentation on the new AC current non-fiber machine.
- Coreless nanofiber yarn. Corrugated nonwoven strip for gas mask production.

2:00 PM: Presentation on Research at Dr. MGR University by Dr. Cyril Raj and Dr. Natarajan.

4:00 PM: Meeting with the Vice-Rector for International Relations at TUL.

- Discussion on student and staff exchange for May/July 2026.
- Expanding the scope of the TUL-MGR MoU to include the Faculty of Mechatronics at TUL.
- Joint research initiatives.
- Joint conference at Chennai in November/December 2026.
- MGR student exchange in May 2026. TUL exchange in July 2026.



MEETING WITH VICE RECTOR OF INTERNATIONAL RELATIONS



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Meeting with
Vice Rector of
TUL University

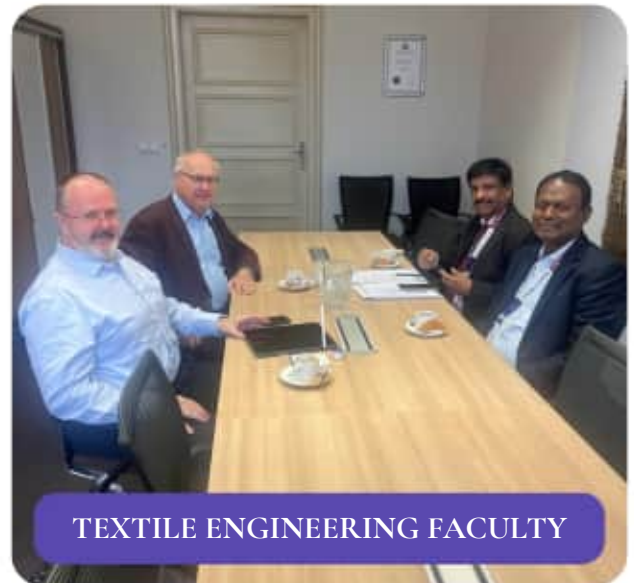
Visit to
Nano fiber lab



MEETING WITH OFFICIALS OF FACULTY OF MECHATRONICS



MECHATRONICS ENGINEERING FACULTY



TEXTILE ENGINEERING FACULTY



Day 3: 22/10/25

9:30 AM: Meeting with the **Textile Engineering Faculty:**

Dean Dr. V. Bajzik and **Vice-Dean** Dr. M. Vik.

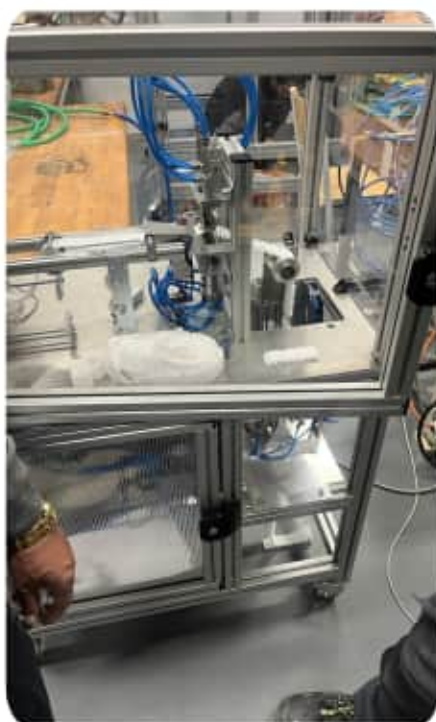
- Discussion on opportunities for student involvement in Fashion Design, Industrial Textiles, and Composites.
- Joint research possibilities in Coir/Banana spinning and product development.
- Exploration of EU funding (RUN-EU) and other avenues for research funding.
- Any individual department requests for research cooperation will be coordinated by the Dean's office.

10:30 AM: Meeting at the Faculty of Mechatronics:

- Dean Dr. J. Cernohirsky, Vice-Dean Dr. P. Sidlof, and Coordinator for International Relations Ms. Simona Kuncova.
- Discussion on extending the MoU to the Faculty of Mechatronics.
- Consideration of short-term visits for MGR students, including a potential exchange of 7th-semester MGR students with 1st-semester TUL Master's students.

1:00 PM: Meeting with foreign students at the Faculty of Mechanical Engineering.

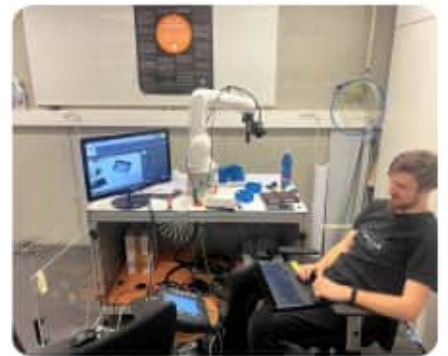
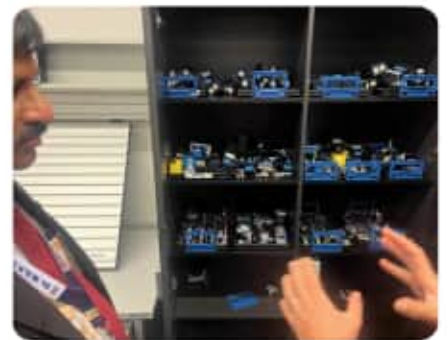
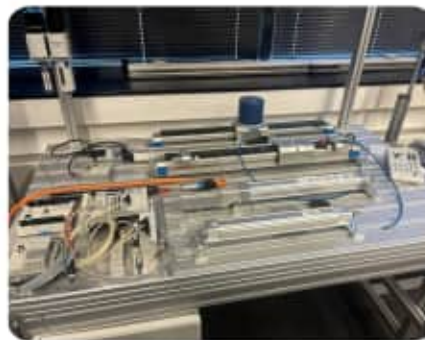
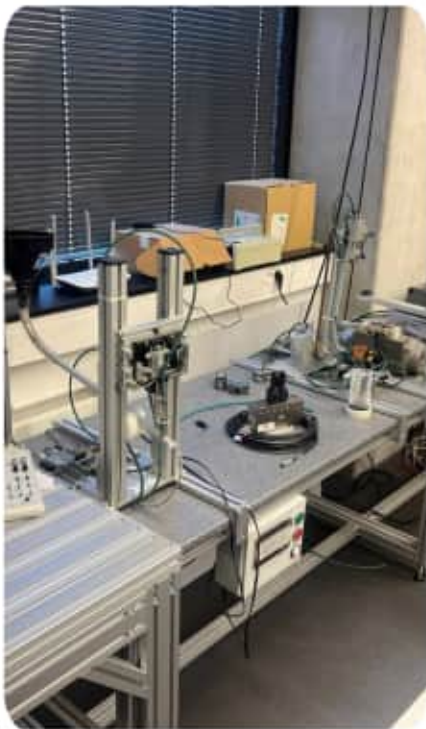
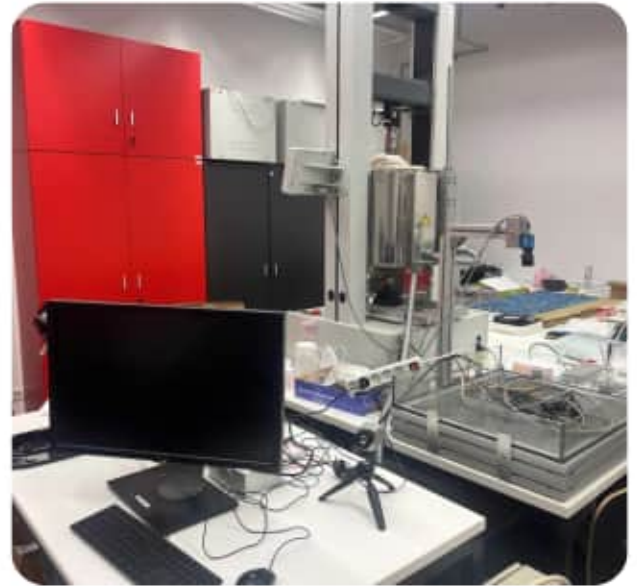
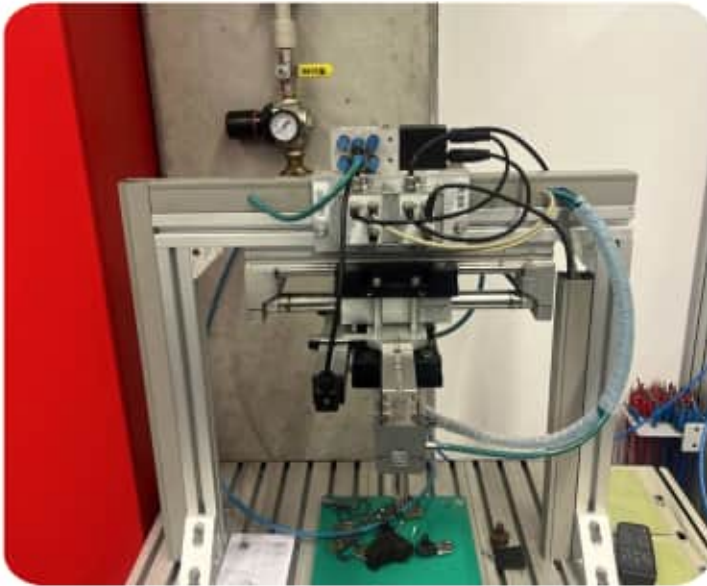
2:00 PM: Visit to the Robotics Lab, Department of Glass Machinery and Robotics.



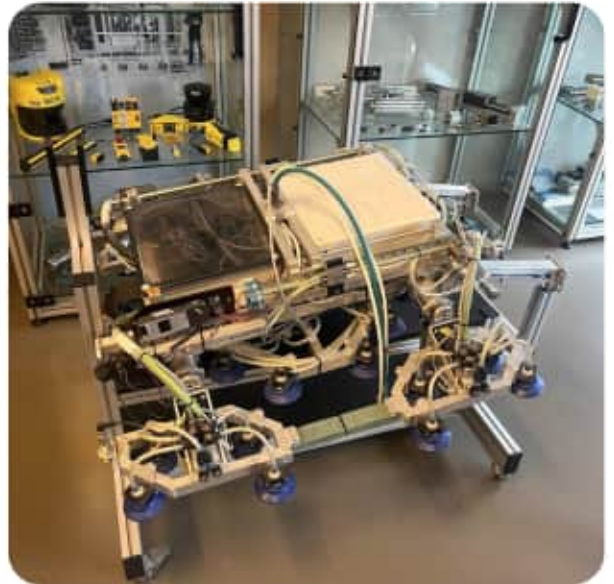
MECHATRONICS & ROBOTIC 'S LAB



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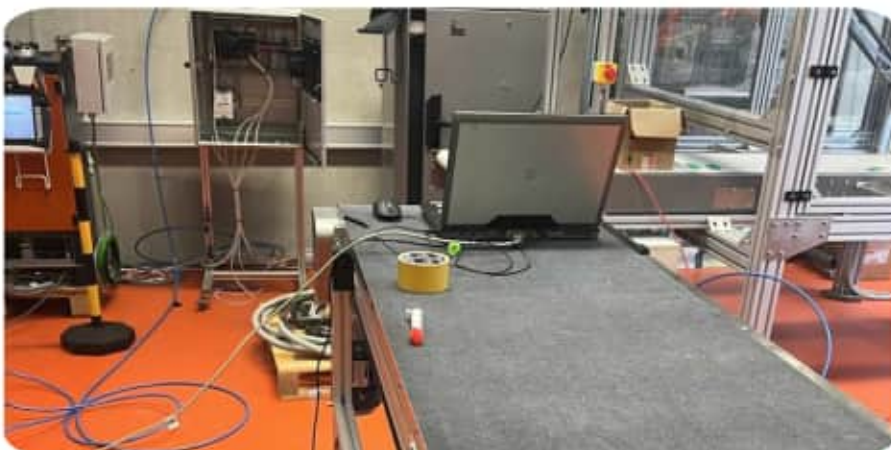
MECHATRONICS & ROBOTIC 'S LAB



MECHATRONICS & ROBOTIC 'S LAB



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Day 4: 23/10/25

- **8:00 AM:** Visit to VUTS Research Institute for Textile Machinery:
 - Meeting with Prof. Dr. M. Vaclavik (Chairman), Dr. J. Vaclavik (CEO), and Er. M. Busek (Head of Mechatronics).
 - Tour of the 3D Weaving Shed, various production and testing halls, mechatronics production line, and the noise testing lab.
 - Discussion on the potential for student internships at VUTS.
 - Exploration of joint research opportunities in Coir/Banana spinning and product development.
- **10:00 AM:** Visit to UCT Fluid Delivery Solutions:
 - Cleanroom equipment manufacturer for the semiconductor industry.
 - Director of Operations, Mr. Vojtech Hertik, provided a detailed tour of the complete production lines.
- **1:00 PM:** Presentation to Faculty Members of the Textile Machine Design Department by Dr. V. Natarajan:
 - Presentation on the ARI Coir Spinning Machine.



COIR MACHINE RESEARCH PRESENTATION



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EDUCATIONAL AND RESEARCH INSTITUTE
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University with Distinct Academic Status



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Paris Ecole Polytechnic started by Napoleon as Army Engineering College



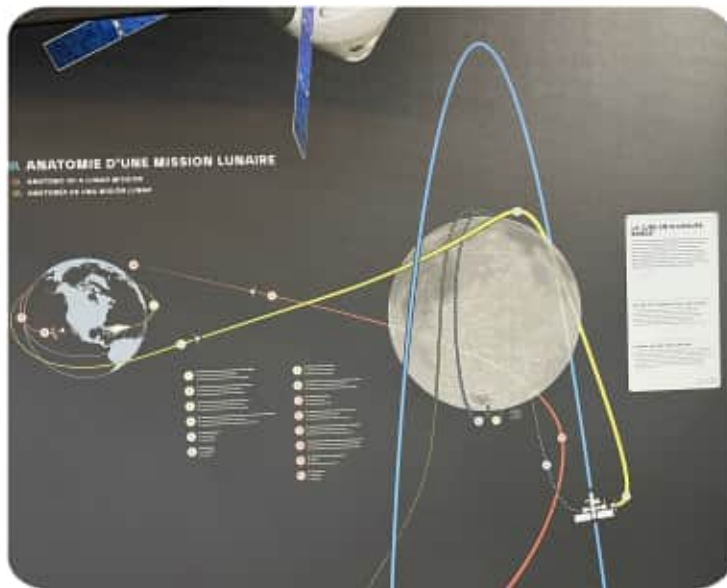
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