

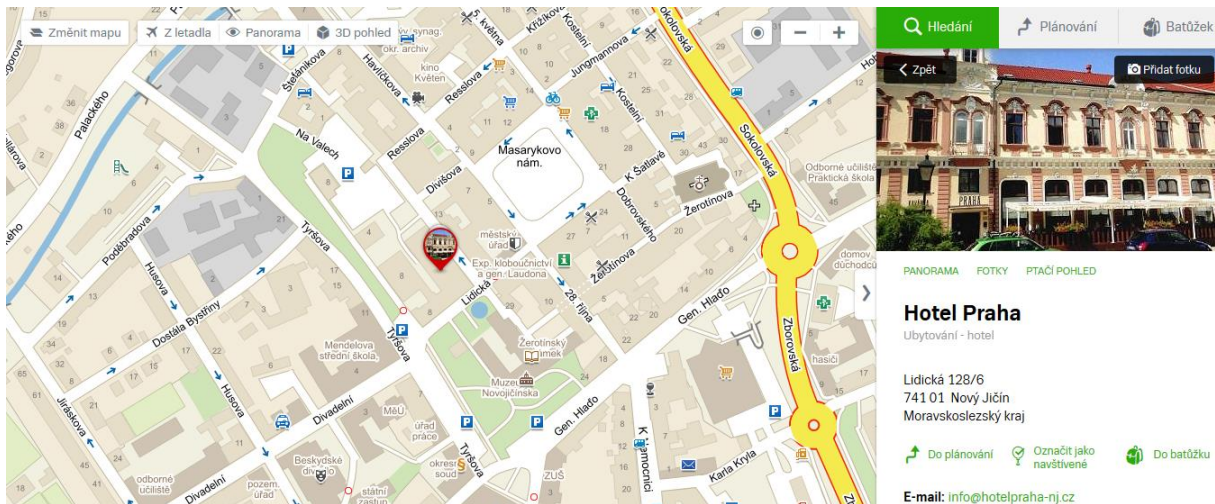


## INDUSTRY 4.0 – SMART COMPANIES AND SMART SCHOOLS Partnership for Educational Europe

Agenda of the 1st training activity held at Mendelova střední škola, Nový Jičín & ATS  
aplikované technické systémy s.r.o., The Czech Republic  
22nd – 28th April 2018

### DAY 1 – Su 22<sup>nd</sup> April

- evening arrival of the AT group (night arrival of the NO group respectively) to the Hotel Praha which is situated right next to the city centre and Mendelova Secondary School - <http://www.hotelpraha-nj.cz/>



Participants of TA1 – the students from Austria, Norway and the Czech Republic - will learn each other the chosen tasks in data collection and data management. The students will work in mixed international teams of 3 members.

Moreover, IT experts from ATS company have prepared a special programme for Wednesday and Thursday. We will learn some basic things about PLC technology, manufacturing engineering systems, database storage and reporting within Industry 4.0.

## **DAY 2 – Mo 23<sup>rd</sup> April**

### **9:30 – 12:00**

- icebreaking and warm up activities (students) - Petr Brandejs, Petr Zapletal
- dividing to the groups

- lunch at the school canteen – 12:00-12:40

### **12:45 – 15:30**

- Workshop of the CZ students – data collection and robotics – CZ students, Jiří Arnošt
- short video about the preparation of the workshop
  - work with various robotic segments, taking measurements, data collecting
  - creating programs in order to gain specific data from the robot's sensors
  - saving data to files
  - data processing and visualisation

FREE TIME

## **DAY 3 – Tu 24<sup>th</sup> April**

### **8:30 – 14:30**

- Workshop of the NO students – NO students and teachers
- short video about the preparation of the workshop
  - designing and creating relational databases

- lunch at the school canteen – 12:00-12:40

- Workshop of the AT students – AT students and teachers
- short video about the preparation of the workshop
  - creating web application for work with databases

### **15:00 – 18:00**

- tour of the nearby picturesque town of Štramberk (UNESCO) – bus from the school at 14:30, back at 17:00 - <http://www.stramberk.info/en/>

FREE TIME

## **DAY 4 – We 25<sup>th</sup> April**

Workshop in ATS, aplikované technické systémy – morning (Group 1) and afternoon (Group 2) groups

- |               |   |
|---------------|---|
| 9:00 – 9:15   | Welcome   |
| 9:15 – 10:00  | Architectures of data collecting ( <b>Group 1</b> )     |
| 10:00 – 10:15 | Break   |
| 10:15 – 11:00 | Handling of production line with PLC ( <b>Group 1</b> ) |

- lunch at the school canteen – 12:00-12:40 – **both groups**

- |               |   |
|---------------|---|
| 13:00 – 13:45 | Architectures of data collecting ( <b>Group 2</b> )     |
| 13:45 – 14:00 | Break   |
| 14:00 – 14:45 | Handling of production line with PLC ( <b>Group 2</b> ) |
| 14:45 – 15:00 | Conclusion, discussion                                  |

### **19:00 – 21:00**

- bowling at Hotel Abácie

### **DAY 5 – Th 26<sup>th</sup> April**

Workshop in ATS, aplikované technické systémy – morning (Group 1) and afternoon (Group 2) groups

- 9:00 – 9:15 Welcome
- 9:15 – 10:00 Example of data collecting (little transport line sample) **(Group 1)**
- 10:00 – 10:15 Break
- 10:15 – 11:00 Database and data reporting **(Group 1)**

- lunch at the school canteen – 12:00-12:40 – **both groups**

- 13:00 – 13:45 Example of data collecting (little transport line sample) **(Group 2)**
- 13:45 – 14:00 Break
- 14:00 – 14:45 Database and data reporting **(Group 2)**
- 14:45 – 15:00 Conclusion, discussion

FREE TIME

### **DAY 6 – Fr 27<sup>th</sup> April**

**8:30 – 10:30**

Excursion to the Varroc Lighting Systems (<https://www.varroclighting.com>) – big automotive company in Nový Jičín

**10:30 – 18:00**

Tour of the city of Kroměříž (UNESCO – the castle and the gardens) - <https://www.zamek-kromeriz.cz/en/plan-your-visit/tours>

- bus from the Varroc company at 10:30, back at 17:00
- lunch in the city of Kroměříž
- guided tour around the city centre
- Flower Garden

### **DAY 7 – Sa 28<sup>th</sup> April**

- morning departure of the AT and NO groups home