



ERASMUS+ Strategic Partnerships for Higher Education  
MIND - Development of Mechatronics skills and innovative learning methods for Industry 4.0, strategic partnership  
2019-1-RO01-KA203-063153

## Transnational Project Meeting 2. Minutes of meeting 4 – 5 March 2020, Timișoara, Romania

**Hosted by:** Faculty of Mechanics, Politehnic University of Timisoara, Romania  
**Location and venue:** Timisoara, Romania  
**Local hosts:** Erwin Lovasz  
**Contact:** [erwin.lovasz@upt.ro](mailto:erwin.lovasz@upt.ro)

### Participants:

Nr.	Name	Organization
1	Sergiu-Dan Stan	UTCN
2	Emil Teușan	UTCN
3	Andreea E. Mureșan	INTEGRA HR SRL
4	Alina C. Băbășan	INTEGRA HR SRL
5	Peter Košťál	STU
6	Vanessa Prajová	STU
7	Erwin-Ch. Lovasz	UPT
8	Corina M. Gruescu	UPT
9	Valentin Ciupe	UPT
10	Cristian E. Moldovan	UPT
11	Carmen Sticlaru	UPT
12	Miloš Simonović	UNI
13	Milan Banić	UNI
14	Dušan Krstić	Coming Computer Engineering

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## MINUTES



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The first day of the meeting began with a presentation about the new partners UPT, UNI and Coming Computer Engineering that were introduced to the project team. In order to have the same overview on the actual project all the partners discussed about the project objectives, the project activities and events and the results that we should obtain at the end of the project.

Regarding the bilateral contracts and budget, were presented the following:

- all the partners should have a separate Euro account for the project
- UNI translated the contract, a bank account was created and should be signed immediately and transmitted to UTCN
- all the partners should spend the money for IO1 realization, Mapping and scientific literature review on the mechatronics skills for Industry 4.0
- the budget allocated for intellectual output is as it follows: 74 euro/day (9.25 euro/hour) for researcher, 88 euro/day (11 euro/hour) for manager, etc.
- all the partners should spend the project management monthly unit cost for the first 6 months of the project (250 euro/month).

After this presentation, the tasks were presented in detail, starting with Information from the Erasmus National Agency, Contracts and annexes and project management information, such as the eligibility of the personnel involved in the project (employment issues) and the collection of activity reports by the coordinator: organization and calendar (worksheets), also the use of mobility tools to generate the premises for the positive achievement of the intellectual results of the project, the role of the leaders of the intellectual results, tools (Dropbox, WhatsApp group, Trello), validation of the distribution of tasks - each partner will present the plan for each activity he has, these topics were part of the first part of the meetings.

-Every person involved in the project should have a link with the organization and a declaration will be signed in this direction. For each IO, every partner should complete a declaration staff for each person that is being hired, make a job description, an individual contract and the ID card must be scanned.

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TECHNICAL  
UNIVERSITY  
OF CLUJ-NAPOCA  
ROMANIA

integra<sup>HR</sup>



At this meeting all the partners brought the declarations for the persons who attended M2 meeting. These declarations were verified to be correctly written and signed. Based on these declarations, UPT prepared the certificates of attendance for each participant. Also, the participant list was checked and signed by each participant.

Interim report – until 31.10.2020 we have to send all the documents to Dan Stan. Project coordinator

Checking of the planning of the intellectual outputs

The status is as follows:

IO1 – Mapping and scientific literature review on the mechatronics skills for Industry 4.0 -

Leader is UNI and were realized the following tasks:

Task 1 Initial Literature Review

Task 2 Exploratory Literature review

Task 3 Focused Literature Review

Task 4 Refined Literature Review

In order to identify the skills needed for Industry 4.0 in the partner countries of the MIND project, UTCN developed a form on the Google Forms platform that all the partners have distributed to companies in the three partner countries (Serbia, Slovakia, Romania). This form was attended by 55 companies of large, small and medium size; the majority of these companies being producers, and a small part are in the field of development research and distributors. UNI will continue the survey and in one week will come back with new information to update the IO1 report.

For this intellectual output, a document template was created, containing project logo, Erasmus+ logo and all the partners logos.

Checking of the planning of the intellectual outputs

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Task 2 Exploratory Literature review

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For this intellectual output, a document template was created, containing project logo, Erasmus+ logo and all the partners logos. This template might be used for other intellectual outputs too and is can be found on Dropbox.

All the partners discussed based on this document and gave feedback so that we can finish this output in one week.

The document has 28 pages, is written in English and in order to translate it to the national languages, a budget is allocated by NA to three partners (STU, IHR and Coming Computer Engineering). For this a collaboration contract will be made with translation companies.

IO2 – MIND Curriculum - Leader is UTCN

We established the task between the partners as it follows:

UNI - Lecture 6: Implementation of new manufacturing technologies and systems for Industry 4.0. – this lecture will be realized together with UPT

Lecture 1 PLC based Project on Mechatronics System for Industry 4.0.,

Lecture 7 Digitalization and Industry 4.0.

UTCN – Lecture 4 Virtual reality as a new trend in mechatronics engineering education.

Lecture 2 Vision technology (VT). We expect that VT will be a key feature of the future generation of autonomous, safety and inspection systems, and will be a key aspect in Mechatronics 4.0.

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UPT – Lecture 5 Smart Manufacturing and Automation with Industry 4.0.

and Lecture 6 Implementation of new manufacturing technologies and systems for Industry 4.0. together with UNI

STU – Lecture 3 Internet of Things, Digitalization, Industry 4.0, Cyber Physical Systems and Mechatronics.

UNI has a curriculum updated in Serbia for Industry 4.0 and will share it with all the partners.

End of June could be a realistic deadline.

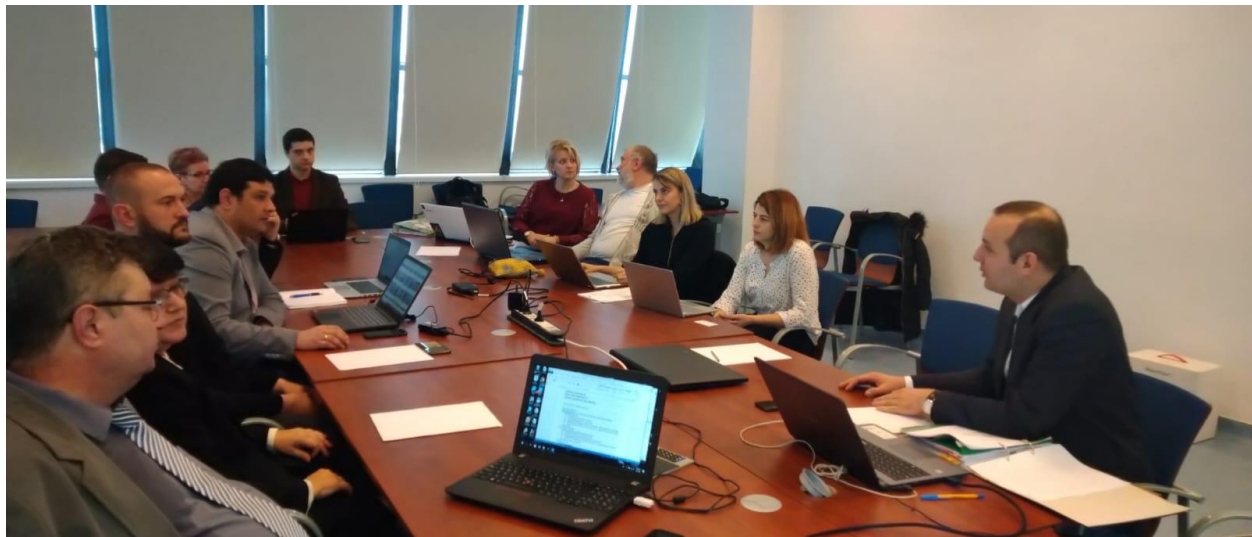
The format of this intellectual output should be a document, text file, lecture notes, PowerPoint, short description.

All the materials must be done in English, and then translated to national languages.

For the rest of the intellectual outputs, each partner presented a short overview for each activity they have ownership.

Finally, some general conclusions were drawn from the two-day meeting, the partners presented feedback on the two days of the meeting.

The members of the MIND project will collaborate to produce high quality reports, which will be posted on the project site: <https://www.project-mind.eu/>. You will find updates and details on project implementation phases supported by EU funded program ERASMUS +.



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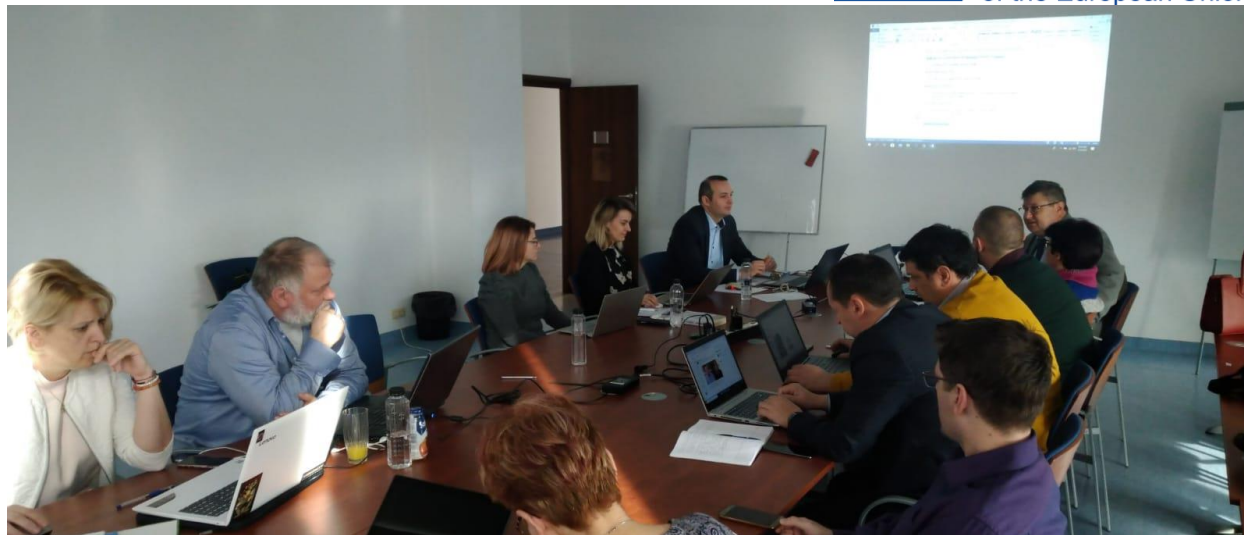
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