



E-learning platform and online tools: local course

Subject: Design methodology (Metodika konstruiranja)

University: Faculty of Mechanical Engineering, University of Ljubljana

Country: Slovenia

Lecturers: assist.dr. Borut Černe, doc.dr. Janez Benedičič, assist.dr. Vanja Čok

E-learning platform

- For the purpose of the local project-based learning engineering design course in Slovenia an e-learning platform (slo. spletna učilnica) was established
- Various features were used to provide better learning support to the students
- The following features were used on the e-learning platform:
 - Hyperlinks to webpages
 - Lecture recordings
 - Lecture slides
 - Interactive timetable
 - Online exams (surveys)
 - Videoconferences

E-learning platform: structure and features

FS-2020/21 Slovenščina (sl) Vanja Čok

MK-UN-RRP3

- Sodelujoči
- Ocene
- Splošno
- PREDAVANJA**
- Kolokvij 1
- Kolokvij 2
- Izpit
- VAJE
- Vaja - Definicija problema in delovnih postopkov
- Vaja - Detajlna razčlenitev

PREDAVANJA

- Predavanja
- Predavanje 1
- Posnetek prvega predavanja
- Predavanje 2
- Predavanje 3
- Predavanja
- Predavanje 4
- Predavanje 5
- Predavanje 6
- Predavanje 7
- Predavanje 8
- Predavanje 9

LECTURES:

- Lecture hyperlinks
- Lecture recordings

Lecture slides

E-learning platform: structure and features

The screenshot shows an e-learning platform interface. At the top, there is a navigation bar with a menu icon, the course identifier 'FS-2020/21', the language 'Slovenščina (sl)', and a user profile for 'Vanja Čok'. The left sidebar contains a menu with the following items: 'MK-UN-RRP3', 'Sodelujoči', 'Ocene', 'Splošno', 'PREDAVANJA', 'Kolokvij 1', 'Kolokvij 2', 'Izpit', 'VAJE', 'Vaja - Definicija problema in delovnih postopkov', 'Vaja - Detajlna razčlenitev problema', and 'Vaja - Pregled trga + Mejna/idealna vrednost'. The main content area is titled 'VAJE' and contains the following information:

PRACTICAL WORK:

- Introductory slides
- Interactive timetable

VAJE

- Uvodna vaja - predstavitev
- Izbor termina za vaje

Omejeno Na voljo od **25 February 2021, 17:00**

- Izberite termin za vaje MK, ki vam najbolj ustreza
- Termin izberite tako, da boste vsi predstavniki vašega team-a v istem terminu

Termini so razvidni tudi na urniku, na sledečih dveh linkih: uč. III/1, uč. III/6

- MK2 - MK5 - MK7 - MK8 - Černe - Dostop do Webex videokonferenc
- MK1-MK3-MK4-MK6- Čok-Dostop do Webex videokonferenc

Vaja - Definicija problema in delovnih postopkov

- Definicija problema in delovnih postopkov

Vaja - Detajlna razčlenitev problema

- Detajlna razčlenitev problema
- Video - prezentacija - Vaja 3 - Definicija problema


A bracket on the right side of the page groups the two Webex links under the text 'Links to videoconferences (live communication)'.

E-learning platform: structure and features

☰ FS-2020/21 Slovenščina (sl) ▾ 🔔 💬 Vanja Čok 👤

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Kolokvij 1

 Kolokvij 1


EXAMS:

- Online partial exam (survey type)

Kolokvij 2

Navodila:
18:55 se povežite na isti link kot je za predavanja. Avtomatično vas bom razdelil v tri skupine. V Vsaki skupini bo prisoten nekdo iz laboratorija LECAD.

Obvezna je uporaba kamere.
Kolokvij se odpre 19:00.
Vprašanja imajo lahko enega ali več pravih odgovorov. Za napačne odgovore so negativne točke.
Vprašanja potekajo zaporedno, tako da se ne morete več vrniti, ko odgovorite.

 Kolokvij 2

EXAMS:

- Online partial exam (survey type)

Izpit

Splošna navodila:

Obvezna je uporaba kamere.

Upoštevajte splošna navodila za preverjanje znanja, ki ste jih dobili od fakultete.

} Exam instructions

Online tools

On the e-learning platform links to collaborative online tools were embedded:

- Miro - online whiteboard for visual communication (<https://miro.com/app/dashboard/>)

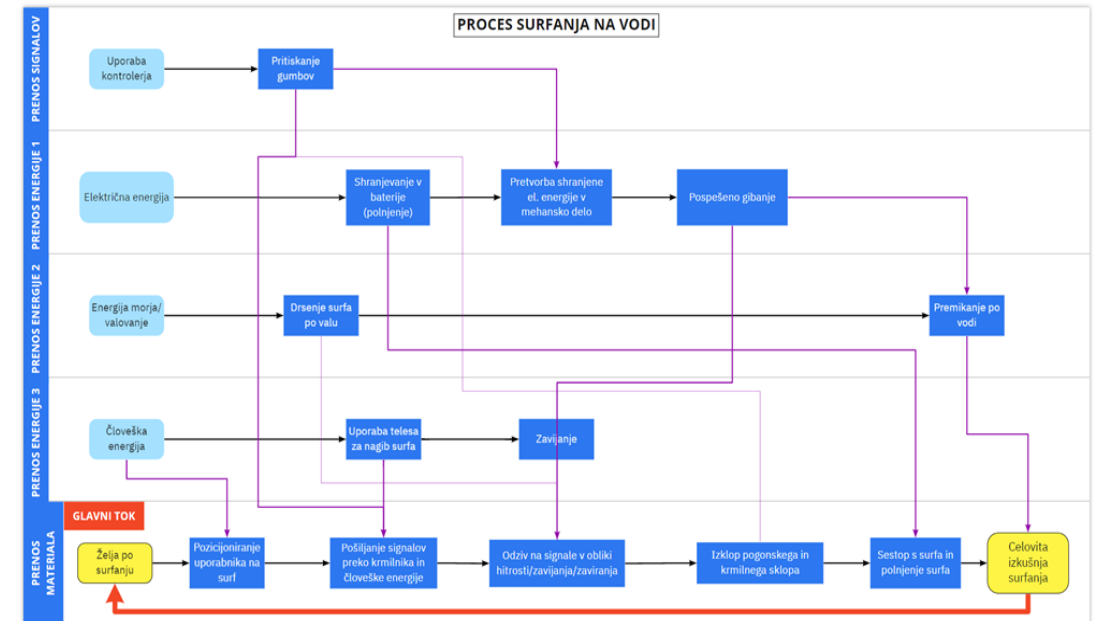
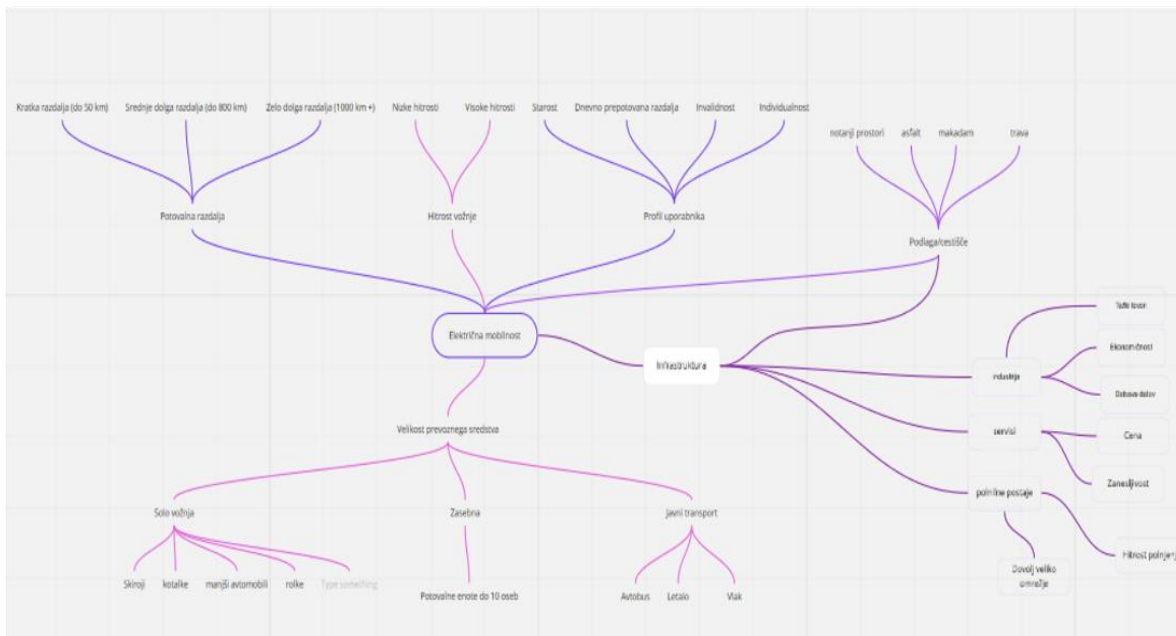


Figure 1. Example of collaborative work using Miro by a local team

Online tools

On the e-learning platform links to collaborative online tools were embedded:

- Autodesk Fusion 360 – collaborative online CAD platform (<https://www.autodesk.com/products/fusion-360>)



Figure 2. Example of a concept model created in Fusion 360 by a local team