

Kuruzni labirint v sodelovanju z UM, FGPA Corn maze in cooperation with UM, FGPA



Univerza v Mariboru,
Fakulteta za gradbeništvo, prometno inženirstvo in arhitekturo se je letošnje leto z velikim veseljem priključila projektu Koruzni labirint.

Pri izbirnem predmetu **Geodezija-GIS/izbrana poglavja**, so v sklopu vaj nastale kreativne ideje za izvedbo labirinta.

Kako je delo potekalo? Območje labirinta smo naprej prehodili in v državnem koordinatnem sistemu določili zunanje gabarite območja labirinta (Slika 1), znotraj katerega so študentke in študentje 3. letnika študijskega programa Arhitektura izrisali svoje ideje (Slike 2-7). Pri tem so morali upoštevati predvsem skupno **velikost labirinta med 3-4 ha, odmike od zunanjega roba vsaj 10 m, širine poti 2 m in odmike med posameznimi linijami (hodniki) 12 m.**

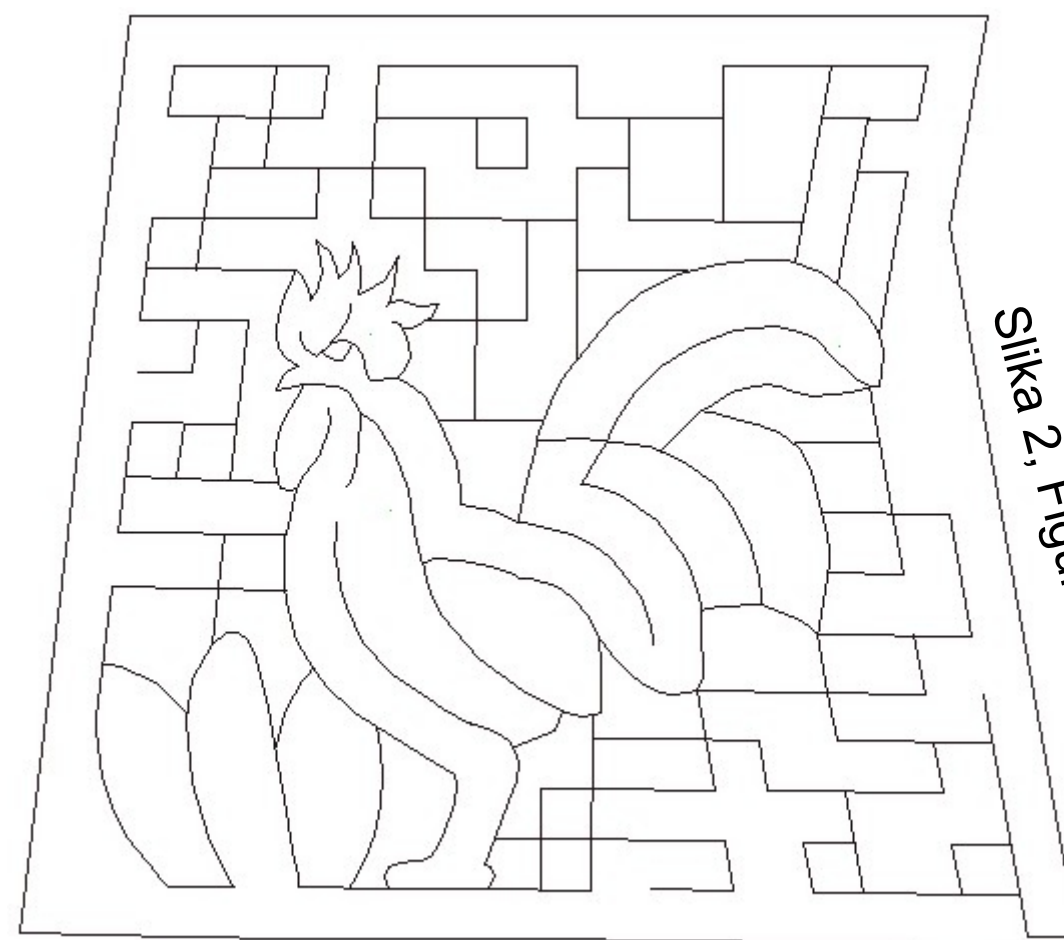
Za prenos labirinta na teren smo izračunali zakoličbene elemente (koordinate točk lomov linij labirinta. To smo storili s pomočjo programskega orodja Qgis (Slika 8). Skupno smo zakoličili 288 točk. Dolžina vseh poti je 4018 m. Uporabili smo RTK GNSS opremo Topcon HiperPro po metodi baza-rover z natančnostjo določitve točke ± 1 cm. Utrinek iz zakoličbe je viden na Sliki 9.



Slika 1 Figure 1



Nika Šela



Slika 2, Figure 2



Slika 9, Figure 9



University of Maribor,
Faculty of civil engineering, traffic engineering and architecture, entered this year's Corn maze project with great pleasure.

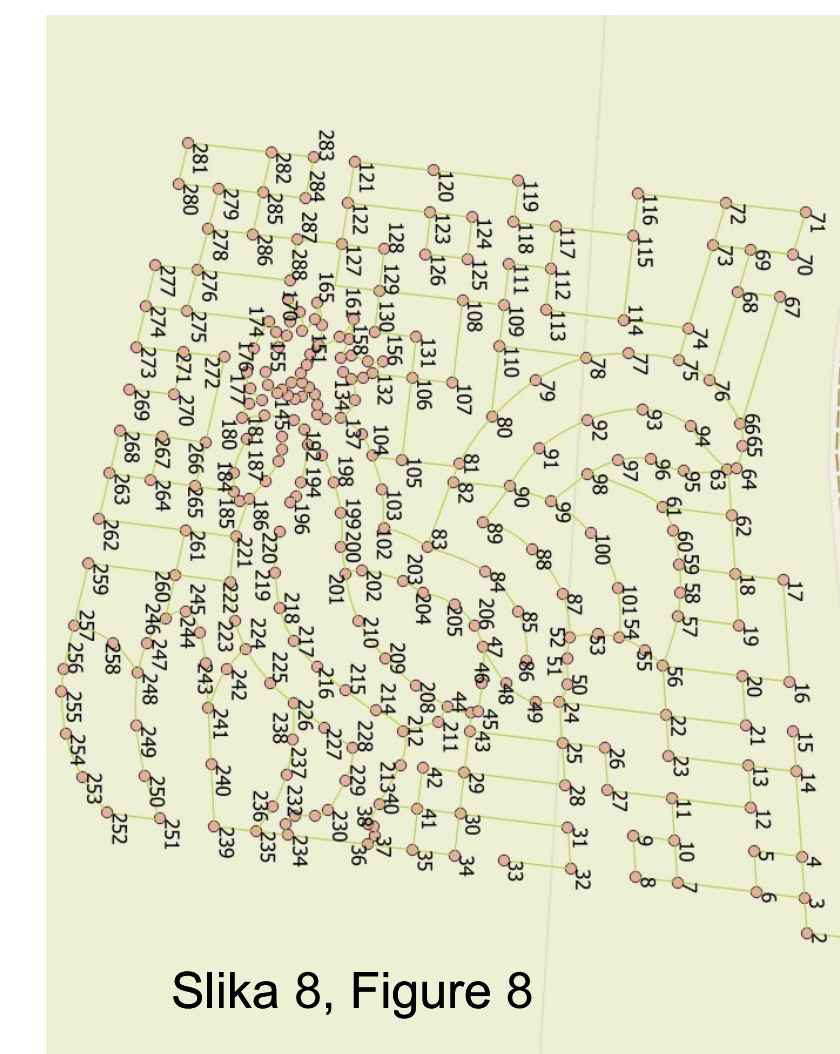
In the elective course **Geodesy-GIS/selected topics**, students created ideas for the implementation of the Maze as a part of the seminar.

How was the work done? The maze area was first stake-out in the state coordinate system and outer area was determined (Figure 1).

Inside this area students of the 3. year of studying programme Architecture has written their ideas (Figures 2-7). Doing that they has to consider whole **area of the maze 3-4 ha, offsets from outer line at least 10 m, path width of 2 m and offsets between each line (path) 12 m.**

Zmagovalna ideja študentke Nike Šela (winning idea)

To transfer the maze to the field, we have calculated stake-out elements of the maze (point coordinates) of the maze line breaks using Qgis software (Figure 8). In total, 288 points were stake-out. The length of all tracks is 4018 m. We used RTK GNSS Topcon HiperPro equipment and the basa-rover method with the point precision of ± 1 cm. You can see a highlight in the Figure 9.



Slika 8, Figure 8

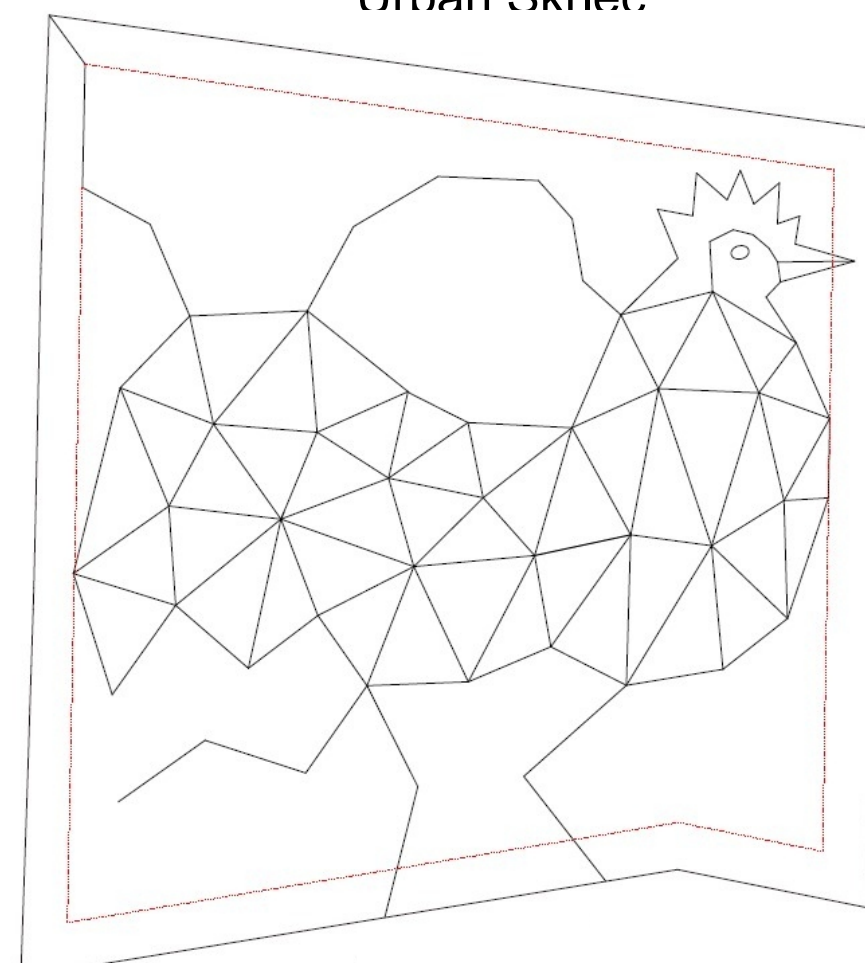
Študentske ideje na temo PETELIN / Student ideas on the theme ROOSTER

Nina Šinko



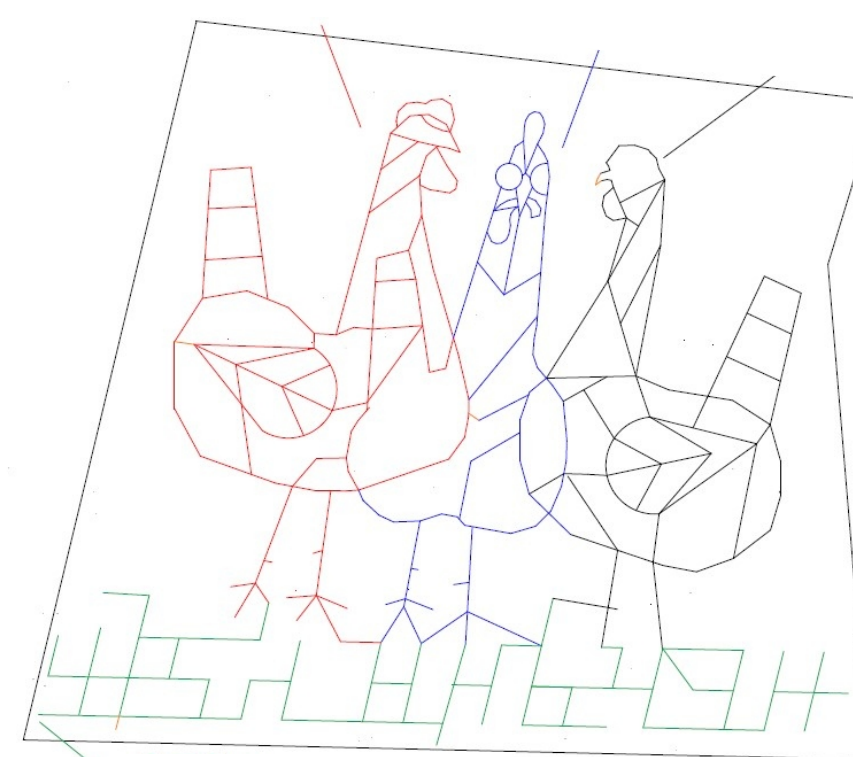
Slika 3, Figure 3

Urban Škrlec



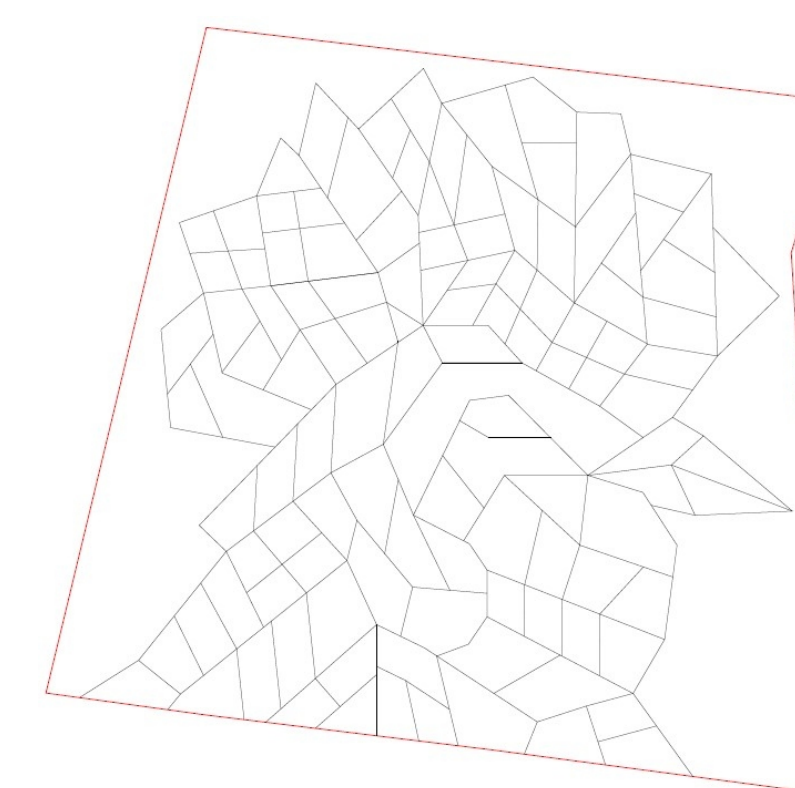
Slika 4, Figure 4

Monika Ravnjak



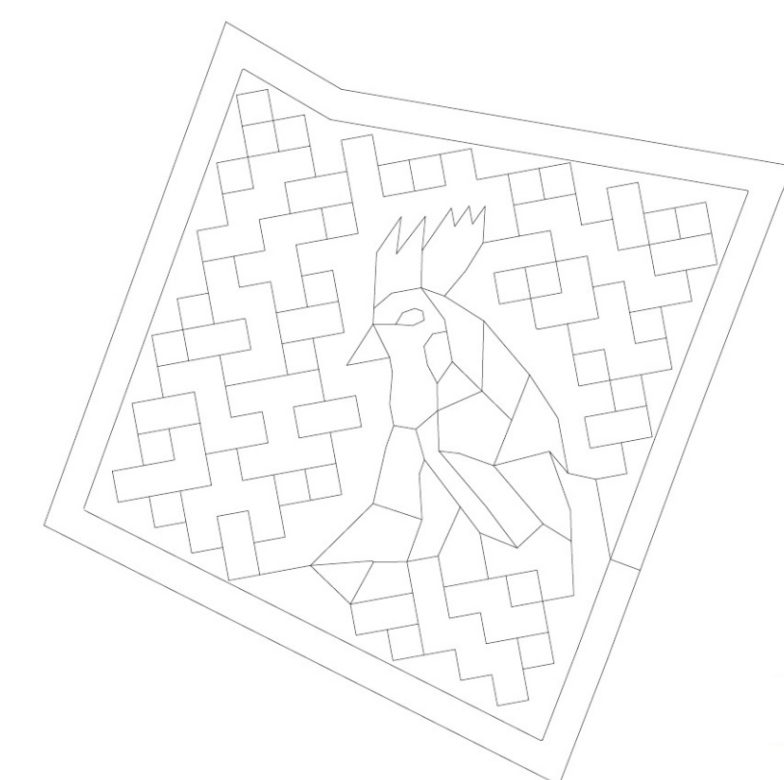
Slika 5, Figure 5

Maja Verbančič



Slika 6, Figure 6

Lucija Višnjič



Slika 7, Figure 7