

booklet

2023 - 2024

diplomas

students

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2	Diana BARNA
3	István BARTHA
4	Orsolya BAUMLI
5	Vlad-Florin BEIANU
6	Ionuț-Florin BICA
7	Ágnes BORBÉLY
8	Ștefania BUCIUMAN
9	Iulia BUCSAR
10	Maria BURIAN (FOCȘĂNEANU)
11	Reka BURUS(căs.BARTHA-BURUS)
12	Paul-Adrian BURZO
13	Mădălina BUZATU (SUCIU)
14	Paul-Alexandru CÂMPEAN
15	Andrei CHERECHEȘ-PANȚA
16	Alexandru-Nicolae CHERTES
17	Daniel CHIBICI
18	Carla-Maria CRIȘAN
19	Ina CRIȘAN
20	Ilie Daniel DANCEI
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22	Gloria Kristy ELKAN
23	Călin-Eugen EREMEI
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27	Robert FÜREDI
28	Elena-Bianca GHERGHINOIU
29	Estera - Adela HĂDĂREAN
30	Ada-Ștefania HERȚEA
31	Andreea-Carla ILAȘ
32	Andrada-Denisa ILIEȘ
33	Irina ISTRATE
34	Kata LACZKÓ
35	Katalin LENGYEL

36	Andrei LEȘCĂU
37	Andreea Ioana MARGINEAN
38	Maria MARTINI
39	Ariana MOCEAN
40	Filip - Otniel MOGOVAN
41	Gabriela MOJOLIC
42	Nicu-Marian MOLDOVAN
43	Vasile MOLDOVANU
44	Daniel NEACȘU
45	Doru-Constantin NIȚU-ENCEANU
46	Sabina-Anna NIȚULESCU
47	Alexandru - Ionuț OROS
48	Carla Diana PETCU
49	Maria-Alexandra PÎSLARIU
50	Andrei Lucian PICIU
51	Daniela POP
52	Larisa-Sânziana POPA
53	Codruța Alexandra POTOR
54	Cătălina - Anca ROHIAN
55	Tudor ROȘCA
56	Liana Georgiana RUS
57	Iulia-Lorena SABOU
58	Iulia SĂMARTINEAN
59	Ioana Iulia SAVU
60	Vlad-Andrei SPATARIU
61	Csaba - Tihamer SZABADOS
62	Radu - Mihai ȘOIMOȘAN
63	Octavia ȘTEFAROI
64	Adela TODORUȚ
65	Ioana-Ancuța UNGUR
66	Mihai URDA
67	Liana-Gina-Carina VAIDA
68	Daciana-Briana VANCEA
69	Delia-Maria VOICA
70	Viorel ZBÎRCIOG

Creative Workshops for the University of Art and Design Cluj-Napoca

Department of Textile Arts - Textile Design

Student:

Carla AFRASINEI

Supervisor:

Lect. Silviu-Virgil ALDEA, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D

Faculty of Architecture and Urban Planning Cluj-Napoca

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Creative workshops for the University of Art and Design, Cluj-Napoca
 Department of Textile Arts-Textile Design
 Brassai Samuel Street no. 7+Tipograliei Street no.16, Cluj-Napoca, Cluj, Romania

Carla Afrăsinei

Tutor: dr. arh. Silviu Aldea

Engineering consultant: Conf. dr. ing. Imola Kirizsan

Located in the heart of Cluj, near important city landmarks, this project seeks to bring art and the students of the University of Arts and Design so representative of Cluj-Napoca into the social spotlight. Hidden in a cramped plot, surrounded on all sides by buildings with a rich history in this field, the proposal rises vertically, being perceived more from the inside out than from the outside. The project preserves two existing buildings on the site, which are restored and then connected to the new building. With a bold structural concept where concrete is used both structurally and aesthetically, it is combined with the transparency and finesse of glass and lightweight metal elements, such as metal mesh and pergola-like structures that connect this internal world. Through these elements, the building seeks to express its function externally as well. I chose to approach this theme with the desire to provide students with a suitable framework for development, while also offering openness to the public and art consumers through the proposed gallery and exhibition spaces in the underground. The program is also open to the public through workshop spaces. Thus, through the chosen theme, the project searches Cluj's university cultural space within an extension of the University of Arts and Design.



Faculty of Architecture
and Urban Planning Cluj



Secondary School (0-VIII) at Cluj, in a Former Industrial Site

Student:

Diana BARNA

Supervisor:

Assoc. Prof. Cristina PURCAR, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D

Faculty of Architecture and Urban Planning Cluj-Napoca

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Secondary School (0-VIII) at Cluj, in a former industrial site

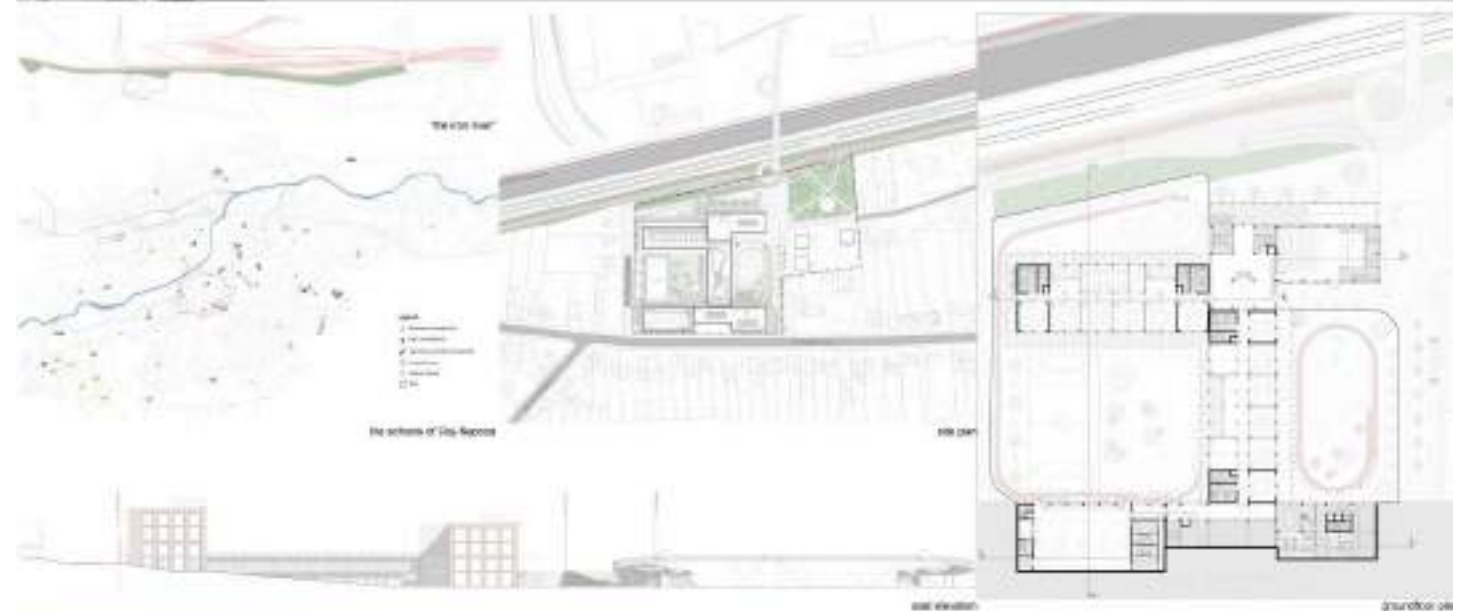
Romulus Vuia Street nr. 159-172, Cluj-Napoca, Cluj, Romania

Diana Barna

Tutor: Cristina Purcar

Engineering consultant: Petru Rus

The project is situated on one of the most valuable plots of the city of Cluj-Napoca. In the past the site was used as a fuel depot for the city gas system. In the former period, it presents a plot on the western part and a larger area on the eastern part, which is the plot being supported by the city. Currently, the site is free from any construction and it is owned by the city. The neighboring area of the site has various problems such as the lack of complementary functions, the lack of safe and efficient connections, the infrastructure issues related to the railway, and the lack of public space which results in houses turning their back to the railway. Despite the intervention, the opportunities offered by the area are by far more important. The site presents a major plot located in the east of the site, accessibility on the site, proximity to the public transport network, and the possibility of sustainable connection to the other side of the railway. The current regeneration project proposes, at an urban level, the continuation of the linear park to the west, a subterranean mobility corridor along the railway, and a connection made of two elements: the street that serves the proposed function and needs to be public space adjacent to the railway and the railway that connects the two districts. The secondary school (0-VIII) proposed functions, such as an educational program and as a social neighborhood center, providing the community with facilities related to the school, including a library, a sports hall, a cafeteria, a fitness hall, a gym, and a cafe. At the same time, it provides an urban front towards the railway, which accommodates passively by enhancing the sense of safety. In this way, the diploma project shows one way in which a potential site could be redeveloped, by completing the dysfunctional district and complementary facilities, creating an ecological and a mobility corridor along the railway and through the proposed connection between the two districts and by opening to the railway.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Village life as heritage in the age of tourism

Cultural center in Rimetea Village

Student:

István BARTHA

Supervisor:

Assoc. Prof. Andreea MILEA, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D

Faculty of Architecture and Urban Planning Cluj-Napoca

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Village life as heritage in the age of tourism

Cultural center in Rimetea village

Central square, Rimetea, Alba county, Romania

István Bartha

Tutor: conf. dr. arh. Andreea Milea

Engineering consultant: conf. dr. ing. Imola Kirizsan

This project aims to display the village of Rimetea in a cultural point of view and to propose solutions for enhancing the relation between locals and visitors. Three different sites around the main square have been chosen for buildings to realize punctual interventions to develop in the village scope. At the sites centers existing buildings that are proposed to be kept and to be enhanced, realizing new relations with the new buildings. Each site have a main function that follows: museum, library and event hall. To fit in the specific heritage context of the village the volumes aim to respect the scale and fabric of the village, as well as the forms and materials of them following the gabled roof type and appropriate textures. Besides the punctual interventions this projects involves the rehabilitation and restoration of the main square that embraces the cultural life of the village. For this reason decisions are made to give back the authentic atmosphere of the square, enhancing its functional schemes according to the actual uses of cultural and touristic events. Thus the space of the square and the interior courtyards of the new volumes would facilitate the tourist flows.



View from the vault of the culture house



Proposal on the site of the unitarian church



Proposal on the town hall's site



Proposal on the site of the culture house



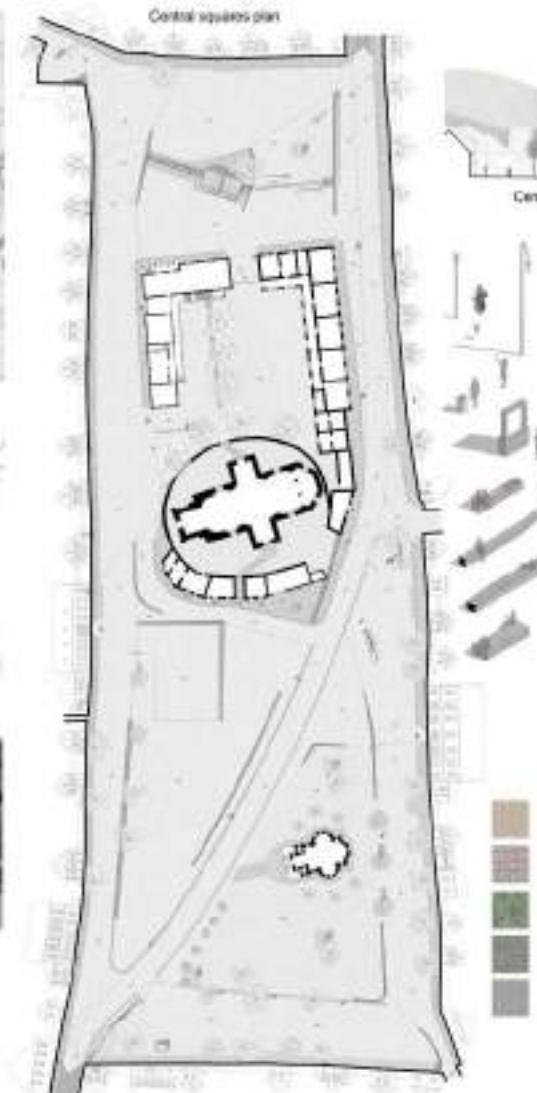
View with the museum from the upper row of the square



View of the library's interior



Site plan



Central square plan



Central square section



View of the "large market"



Pictures of the square at the end of the 19th century



Pictures of the square at the end of the 19th century



View from the 'water' towards the Petru Secușul

Community Center in the City of Carei

Crei, Satu Mare

Student:

Orsolya BAUMLI

Supervisor:

Assoc. Prof. Silivan MOLDOVAN, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

COMMUNITY CENTER IN THE CITY OF CAREI

Str. Ignişului 21, Carei, Satu Mare, Romania

stud. Baumli Orsolya

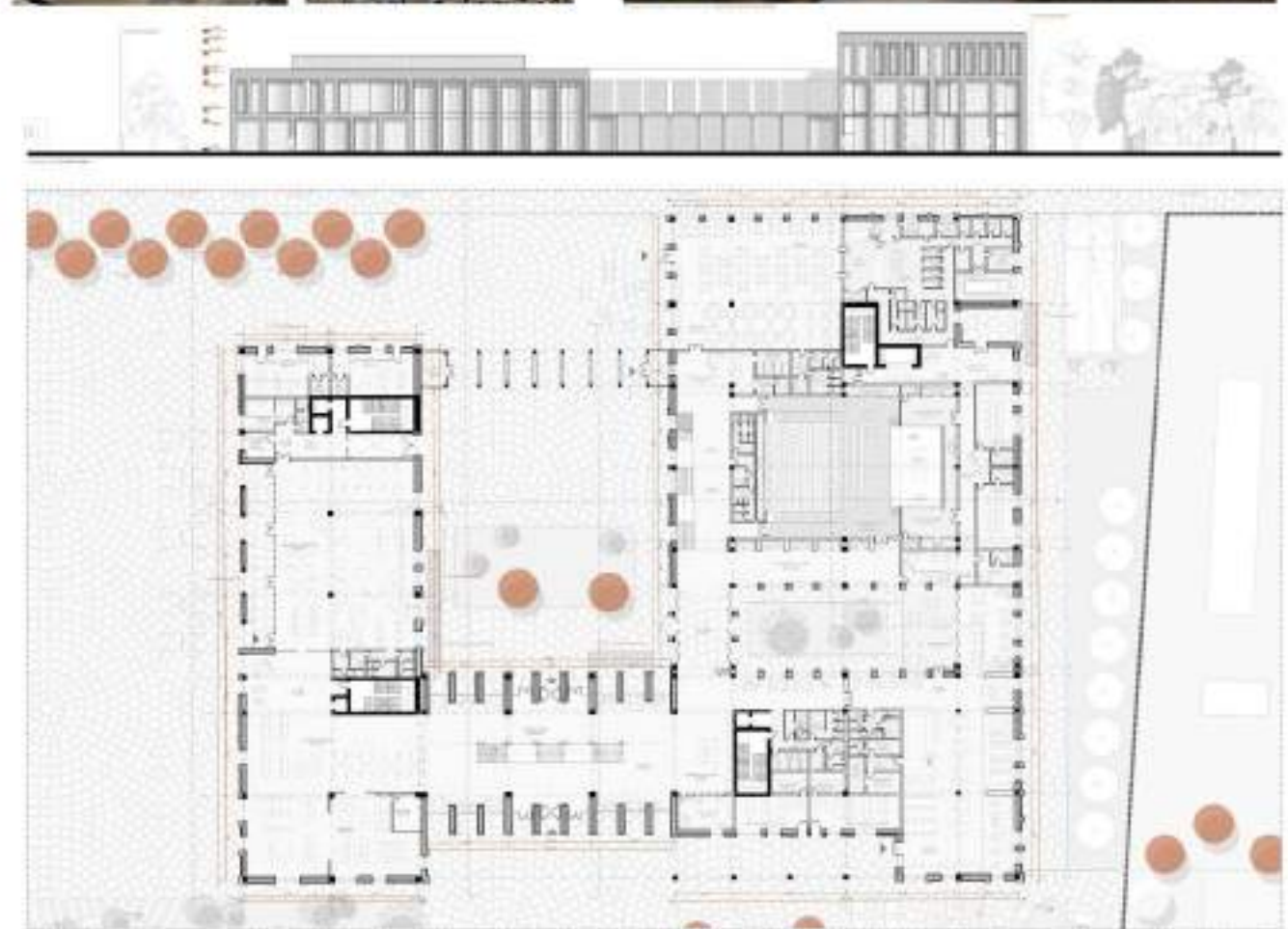
tutor: ș.d.l arh. Silvan Valentin Moldovan
Engineering consultant: Ing. Hulea Radu

As far as architectural design is concerned, particular attention is paid to the spatial sequences that realize the transition from urban to interior space. Thus, the route to the building closely follows the five criteria outlined by Antoni Gaudí in *El Segre*: (Street-building transition as urbanity indicator; Cf. these five principles: Orientation, access, hierarchy of spaces, focal points, sequential development and thresholds). It is the latter that generated the geometry of the building. Thus, the project revolves around the concept of the threshold, which is physically or symbolically present throughout the project and becomes the red thread that gives coherence to the project.

The reference to the local culture and the multicultural character of the city is realized by integrating traditional motifs into the facade design. Over the centuries, local culture has taken over motifs from Hungarian (Zolt), Romanian (Protestant) and Slavic folklore, all of which are to be found in the decoration of the facades of the buildings developed in the area at the end of the 19th century.

At the same time, the project utilizes local natural resources, such as the gneiss which is used for heating, as well as local natural stone from the Tâmpaș area, the slabs covering the facade being made of a composite material made of crushed stone and glass.

This careful integration of the external environment with the architectural core ensures that the socio-cultural center is not just a reconstruction, but a memorable experience that begins long before entering its doors.



Student accommodation UMFST Târgu-Mureș

Student:

Vlad-Florin BEIANU

Supervisor:

Lect. Silviu-Virgil ALDEA, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D

Faculty of Architecture and Urban Planning Cluj-Napoca

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Student accommodation UMFST Târgu-Mureș

Secuilor Martiri street, no. 16, Târgu-Mureș, Mureș county, Romania

Vlad-Florin Beianu

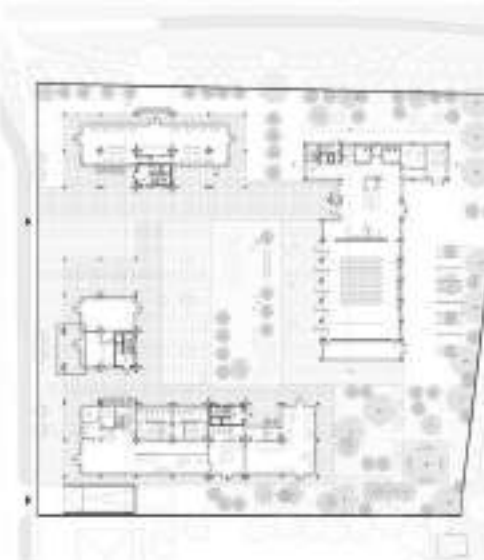
Tutor: Silviu-Virgil Aldea

Engineering consultant: Imola Kirizsan

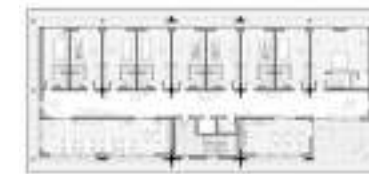
The project addresses a pressing need for affordable student and youth accommodation, not only locally but throughout Romania. It specifically targets the students of the University of Medicine, Pharmacy, Sciences, and Technology in Târgu-Mureș, where there is a significant shortage of housing for both Romanian and international students. The proposal envisions a semi-public campus focused on residential living, enriched by cultural activities and multifunctional spaces that enhance daily life and foster a sense of belonging among students. While being a temporary living situation for some and a necessity for others, the student accommodation has to equally offer the same facilities to everybody, inclusivity being the key principle. A sense of community is vital in creating a feeling of belonging, which is why the project integrates communal spaces that are adaptable to various needs, promoting flexibility and sustainability. In addition to the thoughtful spatial design, materiality and structure are crucial elements of the project. Cross-laminated timber (CLT) is the primary structural material used for the common areas, offering a sustainable and aesthetically pleasing solution. The cultural center, in contrast, incorporates metals and reflective surfaces, creating a dynamic interplay between natural and modern elements.



Site plan



Ground floor plan



Dorm floor plan



View of the interior courtyard and community center



Structural concept diagrams



Views of the terrace and communal spaces



Room



Interior of the community center



Section of the dormitories



Perspective over the lake



Aerial view of the site



Perspective from Secuilor Martiri street

Faculty of Architecture and
Urban Planning Cluj-Napoca



Bus Station

Zalău, Sălaj

Student:

Ionuț-Florin BICA

Supervisor:

Lect. Mihai RACU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Bus Station

Mihai Viteazul Boulevard, Zalău, Sălaj, Romania

Stud. Arch. - Ionuț-Florin Bica
Tutor: St.Dr. Arh. M. Racu
Engineering consultant: St.Dr. Ing. R. Hulea

The location that was the basis of this thesis was identified in a project that goes beyond the stage of a proposed architectural location. The study from which the proposal starts is of a need for the present, inspired by the past and projected for the future.

The urban need to solve is accompanied by functions designed to facilitate this action. Along with the avoidance of transport bottlenecks, the frequency of travel also increases. The various working options offer the possibility to choose the most comfortable method.

The proposed function is found in the Integrated Urban Development Strategy (IUDS) 2011-2020 and represents a starting point to reshape an existing transport system starting from the local point. The project proposes a context to establish it's function without losing the existing options but to organize them.

The project proposes the development of an intermodal node for the purpose of transferring people based on the function of a bus station together with complementary functions that aim to support the project from an economic and administrative point of view. It provides various travel options such as bus-station, bike-station, etc. which are interconnected in a network-like structure in favor of the pedestrian user.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Let's Carve Community

Centru de creație și practică în prelucrarea lemnului în orașul Odorheiu Secuiesc

Student:

Ágnes BORBÉLY

Supervisor:

T.Asist. Alina VOINEA, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D

Faculty of Architecture and Urban Planning Cluj-Napoca

LET'S CARVE COMMUNITY

CENTRU DE CREAȚIE ȘI PRACTICĂ ÎN PRELUCRAREA LEMNULUI ÎN ORAȘUL ODORHEIU SECUIESC

Sport Street, nr. 2, Odorheiu Secuiesc, Harghita County, Romania

Borbély Ágnes

Tutor: Alina VOINEA

Engineering consultant: Petru Rus

Odorheiu Secuiesc is a town located in Harghita county in the Transylvania region of Romania. It is an important cultural and economic center for the Hungarian community in the area. The values and traditions of the Securid are well preserved and the local community organizes numerous cultural events and traditional festivities to promote its identity and customs. **Carving** has a significant tradition both in the town of Odorheiu Secuiesc and the surrounding region. In this context, we are talking about the art of working wood to create various objects, such as furniture, doors, windows and other decorative elements. The possibility to learn the craft adds at a professional school level, while for private courses those interested have to travel to other cities. Although the possibility of learning exists, the school is well equipped and prepared to receive a large number of students, there is a lack of interest among students in technical high schools. Despite the fact that these institutions were once the most renowned schools in the area, they are now among the last choices for students, not because of the quality of teaching, but because of the mortality of the people. Therefore the problem needs to be treated differently, the extension or renovation of the technical high school is not an appropriate solution, the aim is to promote trades through alternative ways, to reconnect the community with traditional values and to realize an urban activator.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Rehabilitation of central industrial heritage

Fashion Design Faculty and Public Services in Oradea

Student:

Ștefania BUCIUMAN

Supervisor:

Alexandru FLEȘERIU, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Rehabilitation of central industrial heritage: Fashion Design Faculty and public services in Oradea

str. Republicii 18-22, Oradea, Bihor, Romania

Ștefania Buciuman

Tutor: Alexandru Fleșeriu

Engineering consultant: Imola Kirizsan

The project tackles the frequently unmet issue of abandoned factories in a post-industrial society, spaces but unused structures that sit empty in valuable areas of the city, as an urban void, outside of the socio-economical networks of the city. The site, a former shoe and textile factory in Oradea built during the socialist reign, is located right in the historic centre, in a place of utmost importance, along the most important pedestrian promenade. The existing structure is seen as a valuable construction, its potential lying in the large, orthogonal openings it manages to insert in the rather fragmented and somewhat organic structure spilling to the historic fabric. The program of the diploma project, workshops for fashion designers and the Faculty of Fashion Design of Oradea, is intended to fully exploit this preexisting potential, as well as enhance it: the program is more a pretext to give new life to the building, a flexible joint of functions that react to the city's needs and operate mutably as the needs change. The space is liberated from periphery structures, annexes that burden the buildings, interior partitions are light and flexible, utilising the full potential of the factory halls. Seen as a valuable building, the interventions on the envelop of the building were only made where the original was already altered, where small, distinctive realisations were made over time, in order to give a sense of unity to the ensemble and differentiate clearly the old from the new.



Faculty of Architecture and
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Performing Arts Center Cluj-Napoca, Cluj

Student:

Iulia BUCSAR

Supervisor:

Silviu BORȘ, Ph.D.

Engineering consultant:

Assoc. Prof. Nicolae SOCACIU, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Performing Arts Center

Ilie Măcelaru Street 20-26, Cluj-Napoca, Cluj, Romania

Iulia Bucsar

Tutor: Silviu Bors

Engineering consultant: Nicolae Socaciu

The Performing Arts Center is dedicated to the very active independent cultural sector of Cluj-Napoca. The sector is consisting of many talented graduates of several universities with important tradition and excellent collection of results in music, theatre, dance, etc. Despite the growing number of performers, troupes and initiatives, the infrastructure for the independent sector is poor. After having colonized abandoned industrial sites, the cultural associations were banned due to gentrification. The municipality started to support more and more the private cultural initiatives and the feasibility of a new hall for performing arts looks actual. The architectural program derived from consultations with cultural managers and representatives of the independent sector. The place was chosen to contribute to the completion of recently restructured area as a multifunctional pole in the western part of the central area of the city. Subtle connections of the major blue-green corridors are targeted in the project, at larger scale. The most important opening proposed consists of the eastern bank of Canalul Morii (The Water Mill Canal), to be dedicated to the public along an existing and augmented green spaces system. The street prospectus is consolidated by a closed front of new buildings siding the maintained residential houses. The center consists of three main parts: the multipurpose performing hall for around 300 seats, depending on the configuration, surrounded by different other smaller spaces for different activities for learning and hobby; the residences for artists, organized in studios in the old villa; and the artistic production workshop, conceived to be also a training center for crafts and opened to visitors. The volumes and plans are organized to follow the strategy of creating the suitable urban forms appropriated for the three forms of public spaces: the street, the pedestrian promenade along the water and the public gardens connected to it. The spaces are human scaled and carefully harmonized. The envelope of facades is provided a unitary language of surfaces and forms from opaque to transparent; an important role is dedicated to mean-outer relations for spectacles and pauses. The multipurpose hall may offer its content both to interior and exterior, for open air events. Different perspectives are placing architectural accents in the right positions for receiving the public, for accompanying passengers and for inviting them. The show must go on!



Site plan



Faculty of Architecture and
Urban Planning Cluj-Napoca



National Center for the Improvement of Gliding Activities, Cluj

Student:

Maria BURIAN (FOCȘĂNEANU)

Supervisor:

Prof. Mihaela Ioana Maria AGACHI, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D

Faculty of Architecture and Urban Planning Cluj-Napoca

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National Center for the Improvement of Gliding Activities

52 Plănoarelor Street, Dezmir, Cluj, România

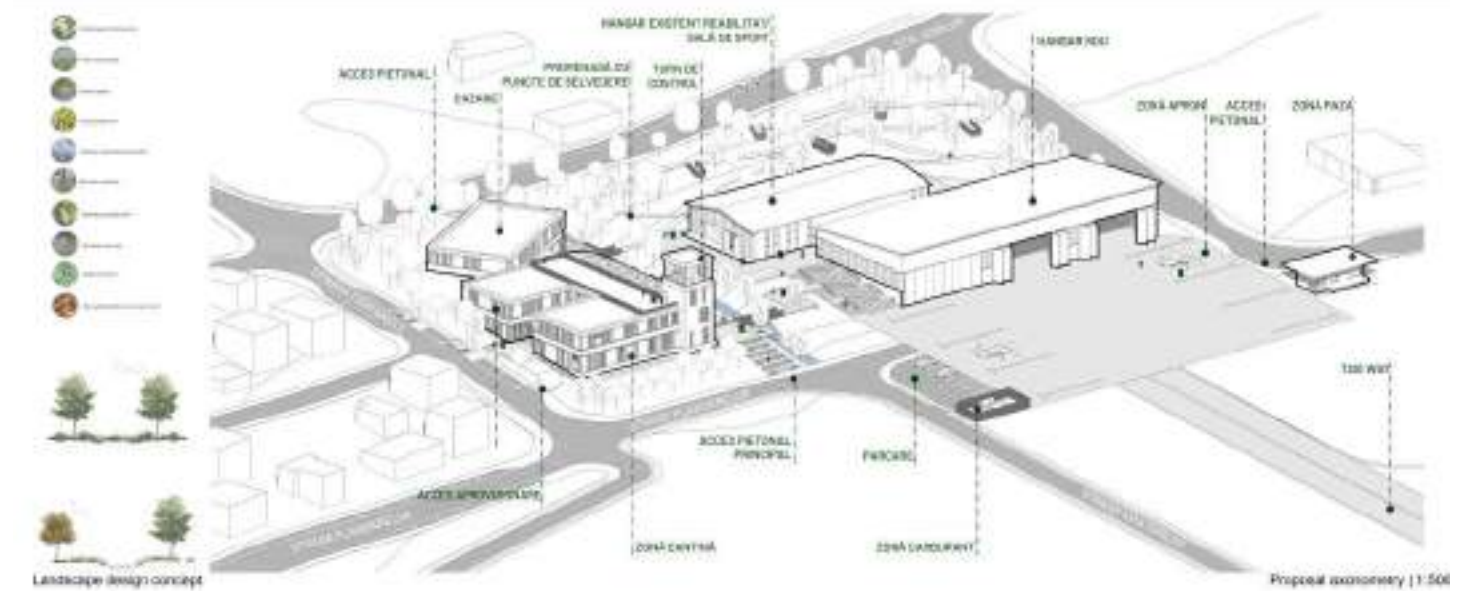
Maria Burian (Focșăneanu)

Tutor: Mihaela Ioana Maria Agachi

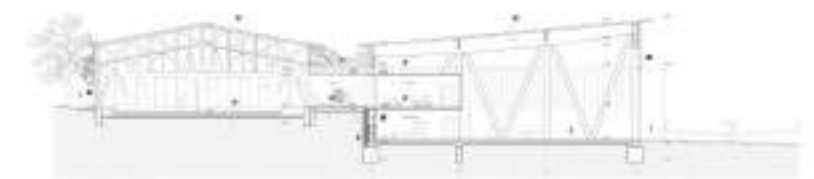
Engineering consultant: Petru Rus

Considering the personal attachment to the field of aviation, the project idea started from the desire to improve the existing spaces and create new spaces for the pilots and aviation enthusiast community in the Cluj area. After a visit to the Regional Aero Club in Dezmir, I discovered that, although it is a popular aviation school, the existing spaces fail to accommodate the large volume of interested students. The project aims to address this issue and create new and improved facilities for the flight school.

While the site, there is a hangar dating back to 1943 with an impressive wooden structure. However, it has an unsuitable position on the site and is undersized for the current needs of the school. For this reason, the project also includes the design of a new hangar, with a CLT structure, attached to the existing hangar. The old hangar will be repurposed as a sports hall for the flight school community as well as the residents of the area. The old hangar becomes the heart of the community, serving a function that a variety of people can enjoy, while the new hangar proposes a different communication style in the educational process, bringing the theoretical classrooms closer to the aircraft storage space.



Existing hangar interior view



Hangar area section (1:200)



Exterior view of the administrative building



New hangar interior view



Exterior view of the new hangar and apron area

Spa and health center in the town of Cristuru Secuiesc

Harghita County

Student:

Reka BURUS (căs.BARTHA-BURUS)

Supervisor:

Assoc. Prof. Andreea MILEA, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D

Faculty of Architecture and Urban Planning Cluj-Napoca

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Spa and health center in the town of Cristuru Secuiesc

Sósút Street, Cristuru Secuiesc, Harghita County, Romania

Réka Burus

Tutor: Conf. dr. arh. Andreea Milea

Engineering consultant: conf. dr. ing. Imola Kirizsan

The main objective of the diploma project is the realization of a spa and treatment center, promoting the historical and natural area of the former spa center. The site is located in the Salt Valley, in a natural area near the town of Cristuru Secuiesc, which is rich in springs of medicinal salt water. The studied location being in a natural environment surrounded by historic private villas in a forest area leading the project into a particular complexity. The solution of the spa treatment center program consists in proposing adequate spaces for the main activities which is complemented by an auxiliary hotel function for external visitors through the refunctionalization of the building built in 1907 and rehabilitated in 2010 as a hostel for students. On the other side of the site there are 3 outdoor basins with medicinal salt water, leading the project to propose appropriate landscaping of the traditional baths, appropriate to the respective historical and natural context.

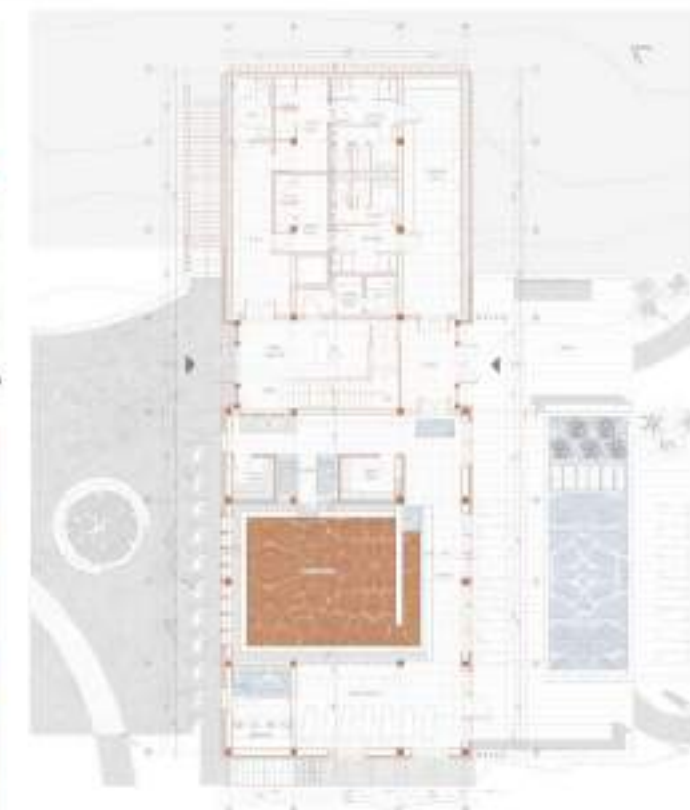
Given the relatively small scale of the town, the proposal needs to take account of this character and be moderate in terms of its integration into the context, without exaggeration in the size of the proposed spaces and needs to take account of the importance of the historic and natural character of the site.



Site plan



Exterior perspective - Secondary access to the spa center



Groundfloor plan of the spa center



Facade of the forest



Exterior perspective - Vernacular baths



Axonometric view of the vernacular baths



Interior perspective - Indoor medicinal salt water pool



Exterior perspective - Outdoor swimming pool on the terrace of the spa center

Hospitality HUB on via Transilvanica

Student:

Paul-Adrian BURZO

Supervisor:

Assoc. Prof. Dragoș DASCĂLU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Hospitality HUB

on via Transilvanica

Bistrița Bârgăului, Bistrița-Năsăud / Ația, Harghita / Târnăvoara, Sibiu
România

Paul-Adrian Burzo

Tutor: Dragoș Dascălu

Engineering consultant: Radu Hulea

The Hospitality Hub for Via Transilvanica proposes building a network of facilities to connect hikers with local communities along the trail. Hikers typically cover around 25 km per day, completing the 1400 km route in about 60 days, and need well-stocked, fully equipped bathrooms, and relaxation spaces. Local communities, often diverse and depopulated, need support to develop tourism infrastructure and prevent foot waste, as they struggle with aging populations and economic challenges in agriculture. The project suggests an integrated model with standardized accommodation, local gastronomic points, and hospitality services, ensuring a quality and price standard for entrepreneurs and providing economic and social support to the communities. Accommodation facilities will offer essential services like laundry and fully equipped bathrooms, while the gastronomic points will feature kitchens, storage, and collection points for local produce, helping to feed hikers and reduce food waste. This approach aims to establish a tangible, acceptable standard for all stakeholders involved.



Bistrița Bârgăului textile workshop visualization



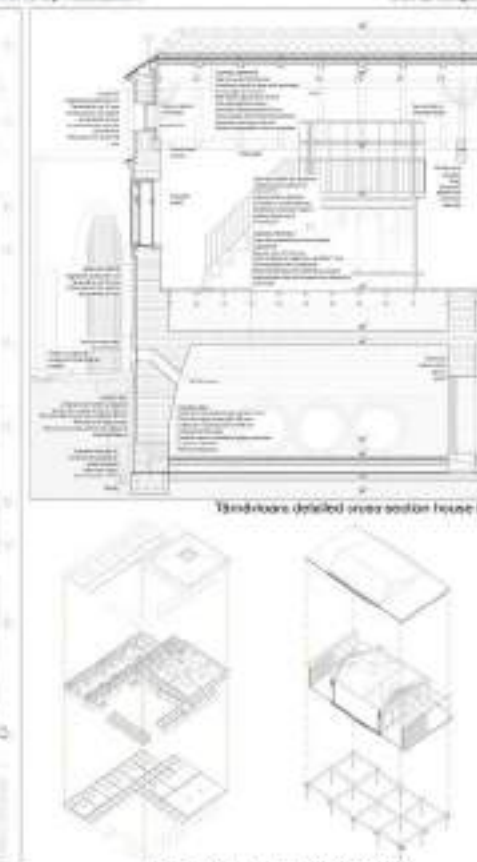
Bistrița Bârgăului accommodation visualization



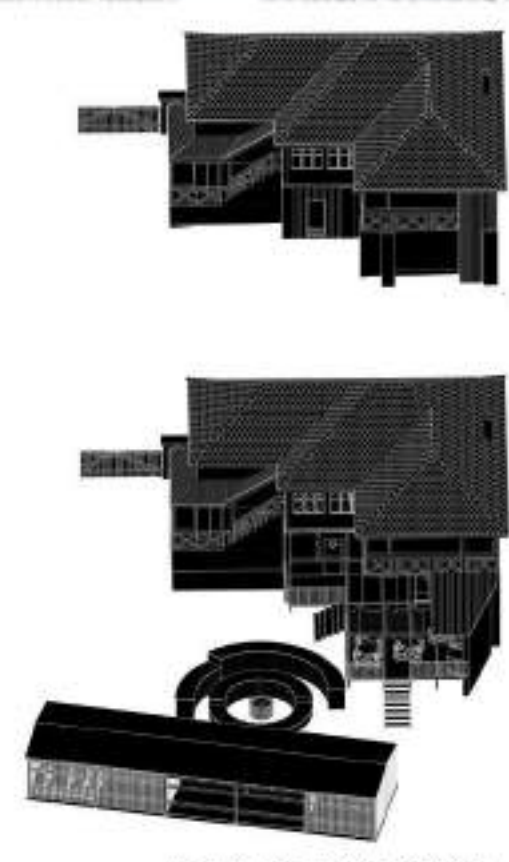
Târnăvoara (B) via Transilvanica shop visualization



Târnăvoara ground floor plan house A



Bistrița Bârgăului CLT structural concept



As is current state and intervention axonometric view

Braşov Fire Department

Student:

Mădălina BUZATU (SUCIU)

Supervisor:

Alexandru FLEŞERIU, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Braşov Fire Department

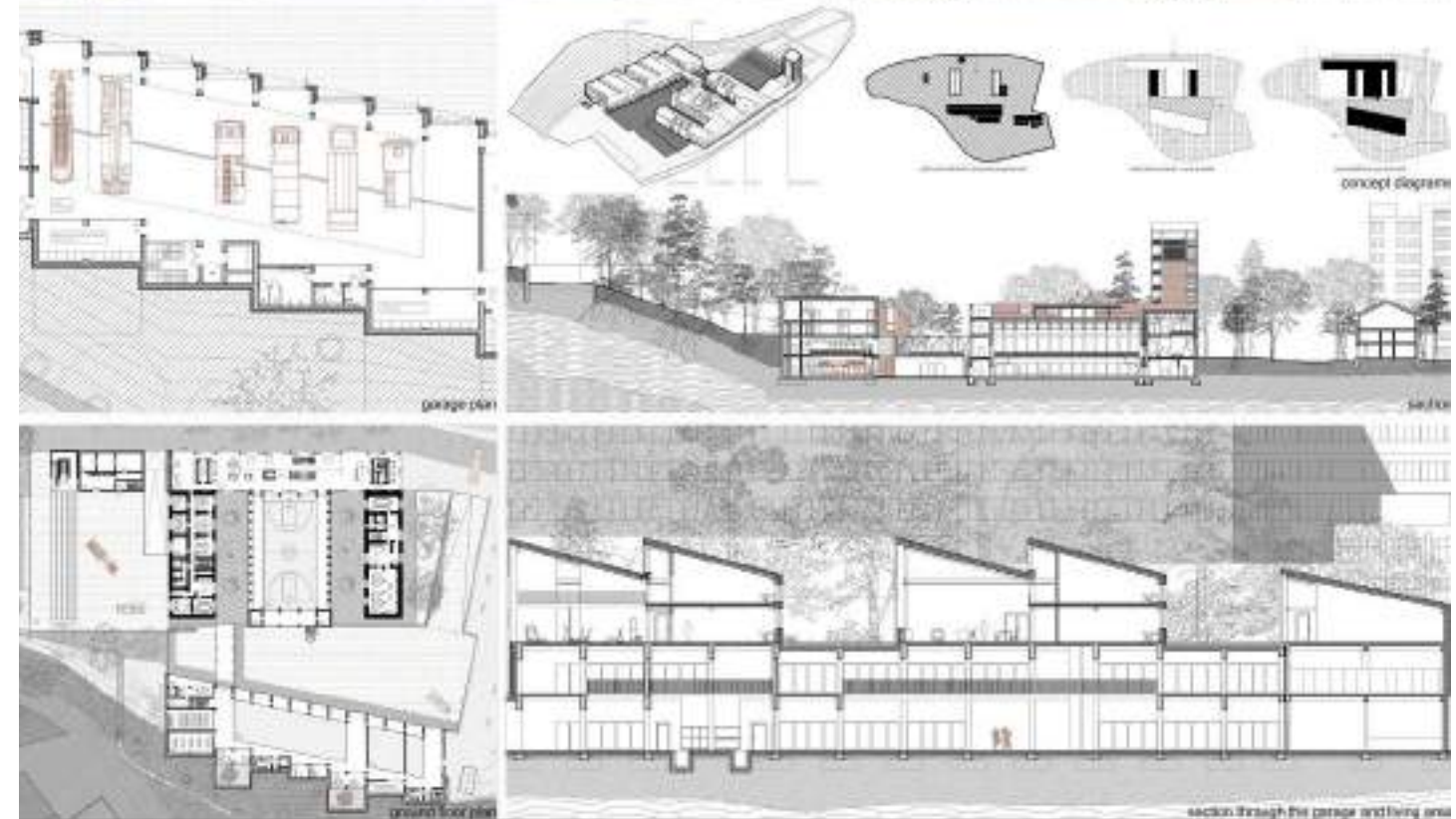
00 Mihai Viteazul Street, Braşov

Mădălina Buzatu (Suciu)

Tutor: dr. arh. Alexandru Fleşeriu

Engineering consultant: ş. i. dr. ing. Petru Rus

The subject of this project is the Fire Department of Braşov. The state reaches both the city's scale through the dependence on its intervention and the scale of the program needed for adaptation to current needs. The military institutions represent black holes in Braşov, an inner urban space that is inaccessible to pedestrians, facing inward. The project primarily proposes the program's permeability, an openness towards the community and the public. If up until now the main interest was focused on special vehicles to the detriment of the firefighter, this project pays special attention to the firefighter's needs. The fire department's future perspective consists in increasing the number of stations in order to reduce the intervention time. Thus, due to the size of the detachment's project, it is suggested to add a dominant side - a training center for firefighters. This concept started from the site's permeability and the increase of the program's visibility. Creating a fenced enclosure is the solution needed in order to ensure a private space that is simultaneously visible from the outside. Consequently, the garage area remains safe while the building becomes public towards the street. As a way of organization, the garage, the living and training are the main components. In addition to ensuring the necessary number of parking places, the project proposes accommodation and rest spaces for firefighters during work shifts in the form of houses. The training component is guaranteed by simulators, a gym and a training tower. The symbol of the project is the tower. It has a functional role while also being a landmark as well as an end of perspective.



Faculty of Architecture
and Urban Planning Cluj



Library and Studios for the Faculty of Engineering and Information Technology

Târgu Mureș

Student:

Paul-Alexandru CÂMPEAN

Supervisor:

Prof. Dana VAIS, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Library and Studios for the Faculty of Engineering and Information Technology

Mihai Viteazu Street, nr. 31, Mihai Eminescu Square, Târgu Mureș, Mureș County, Romania

Stud. arh. Cămpian Paul-Alexandru

Tutor: Prof. dr. arh. Dana VAIS

Engineering consultant: Ș. I. dr. ing. Radu Hulea

The project features a double-level library located in the basement providing secluded and useful study spaces. The main archive is interpreted as a double-level well system, creating a distinctive ambience. Access to books is facilitated by a staircase, adding an element of vertical circulation and separation. This design provides a serene environment conducive to focused study, aligning with the project's overall goal of supporting diverse learning and creative activities. The access bridge to the building is a representative signal by the entrance to the redwood plaza of Târgu Mureș, located near the site.

The project is conceived following thorough theoretical research, where extensive ideas were formulated regarding the five distinct types of creative spaces, each tailored for activities such as individual work, team collaboration, presentations, socialization, and breaks. The unique configuration of each space, including room layout and furniture, dictates its primary use with varying degrees of flexibility. The design project proposes a democratic and adaptable design for educational spaces, providing collaboration and social interaction through flexible furniture and movable partitions. This approach aims to create a dynamic environment that meets contemporary societal needs and fosters innovative spirit.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Center of Contemporary Art and Culture

Cluj-Napoca, Romania

Student:

Andrei CHERECHEȘ-PANȚA

Supervisor:

Assoc. Prof. Silivan MOLDOVAN, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Center of Contemporary Art and Culture

42-46 Traian Street - Danil P. Bărceanu Street

Cluj-Napoca, Romania

Andrei Cherecheș-Panța

Tutor: Silivan Moldovan

Engineering consultant: Radu Hulea

The project approaches these buildings considered by the collective as urban leftovers respectively, a memory of what they once were. The project itself is intended to be a mix between old and new, between an existing structure and a new function to complement it, between history and contemporary culture.

The explicit project aims to emphasize both the part of visual arts such as painting, sculpture, collage and photography, as well as the lesser-known part of contemporary arts in the digital age, namely participation and immersive art. These two types of contemporary arts are still in their infancy, it is only now that the applicability of technology in the artistic field is being discovered to intensify the viewer's experience, bringing it to a completely different level compared to how it has been experienced so far. One of the goals of the project is to bring them to the same level of interest and consumption as the other cultural activities while also creating a point of convergence for local artists and the general public. In addition to these functions, the project also creates spaces for dramatic arts, public art education, and the study of contemporary materials.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Football Stadium in Timișoara

Student:

Alexandru-Nicolae CHERTES

Supervisor:

Lect. Paul Mihai MOLDOVAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Football Stadium in Timișoara,

Bulevardul 1 Decembrie 1918, Timișoara, Timiș, România

Alexandru Chertes

Tutor: Dr.Prof. Paul Mihai Moldovan

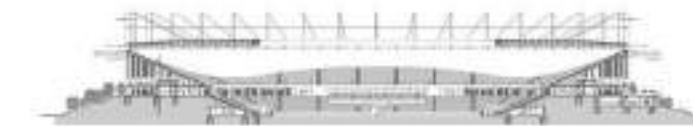
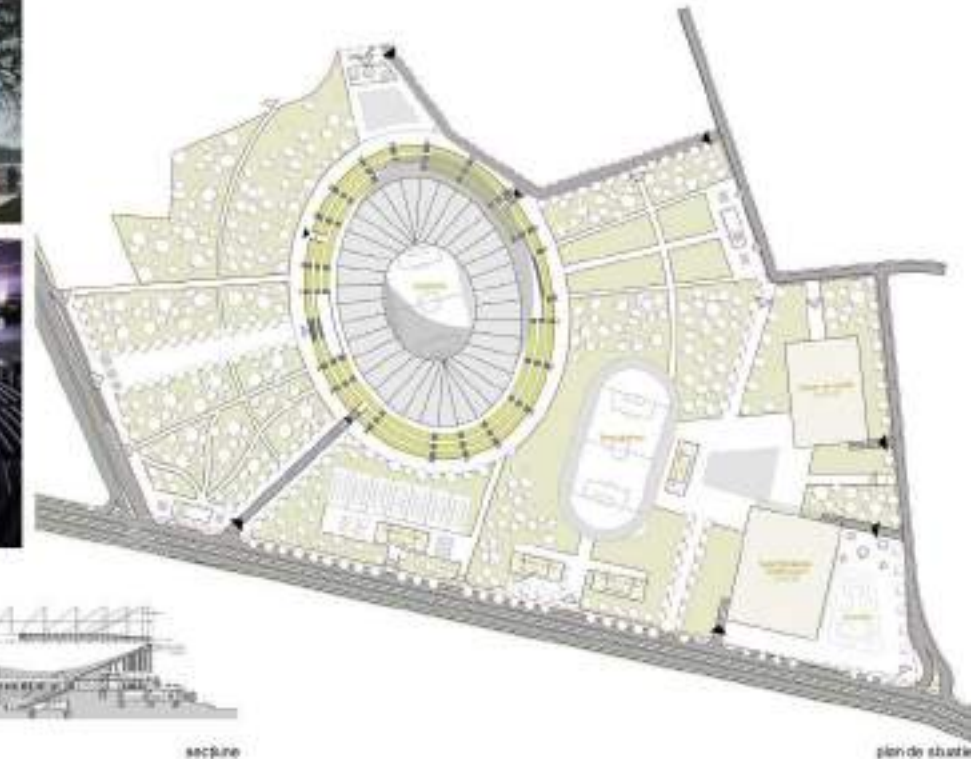
Engineering consultant: Imola Kirizsan

My diploma project proposes the redevelopment of the sports area in Timișoara, specifically the design of a multifunctional football stadium adapted to the needs and requirements of the 21st century. The goal is to create a sports complex that goes beyond the functionality of a traditional football stadium, making it a true attractive destination for sporting and cultural activities, as well as for the community it serves.

The objectives of this project, besides achieving an appealing and modern design, include functionality and flexibility, which must be considered from the early stages of the project. The proposed scenarios and solutions should individualize the space and restore its importance, both within the urban sports complex of which it is a part and at the city level.

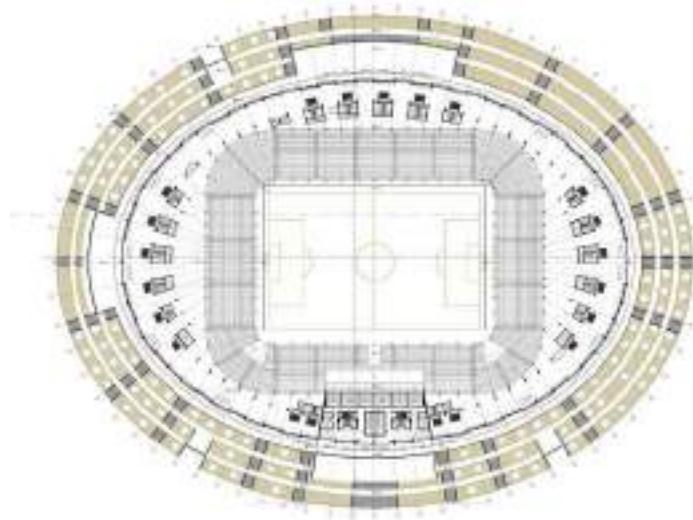
According to UEFA's guidelines for designing quality stadiums, such an investment needs to generate revenue independently of match days. The stadium must be a self-sustaining unit, not dependent on the football club or the federation. To achieve this, the stadium should include feasible spaces that can host various events, such as a hotel, fitness rooms, restaurants, commercial spaces, rental office, or public institutions.

According to Timișoara's General Urban Plan, the site is located in a green area with a permanent sports complex designation. Therefore, maintaining the coherence of the complex will be done through a master plan. This will have a strong impact on the surrounding context of the site, as well as on how the future development of the stadium can enhance the local area.



secțiune

plan de situație



plan parter



perspectivă seară toamnă

Technological High School of Constructions in Suceava

Student:

Daniel CHIBICI

Supervisor:

Lect. Silviu Virgil ALDEA, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Technological High School of Constructions in Suceava

Bazelor Street, CF 43694, Burdujeni, Suceava, Romania

Daniel Chibici

Tutor: Silviu Virgil Aldea

Engineering consultant: Radu Hulea

The concept starts from the opportunity for the occupation of the land, as such, a study of the typologies of high schools was made. The most suitable for the site and best representing of the socialist urban fabric in its background is the linear typology, offering in this case: diverse interior courtyards (public, sports field, studying), a suitable vicinity for the student dorm, age separation and good evacuation. The cardinal orientation of the site is an advantage for the positioning of the classrooms (S-E), the student dorm (SE-NW) and for the sports field (E-W). The project addresses the needs of the community for workshops in which after the school hours, take place professional reconversion courses.

The main volumes and the structural concept have a great impact on the final shape. To avoid long hallways, at a module of 30 meters a break was made. The structural concept sought to both expose the structure and to minimize its impact on the interior spaces. As a result, the opportunity to prefabricate a significant percentage of the structural components was created, the gridline openings are generous, the structural solution is suggestive for the sphere of activity of the school and a big percentage of the components are reusable.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Research Center of Advanced Materials Cluj-Napoca

Student:

Carla-Maria CRIȘAN

Supervisor:

Prof. Dana VAIS, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Research Center of Advanced Materials

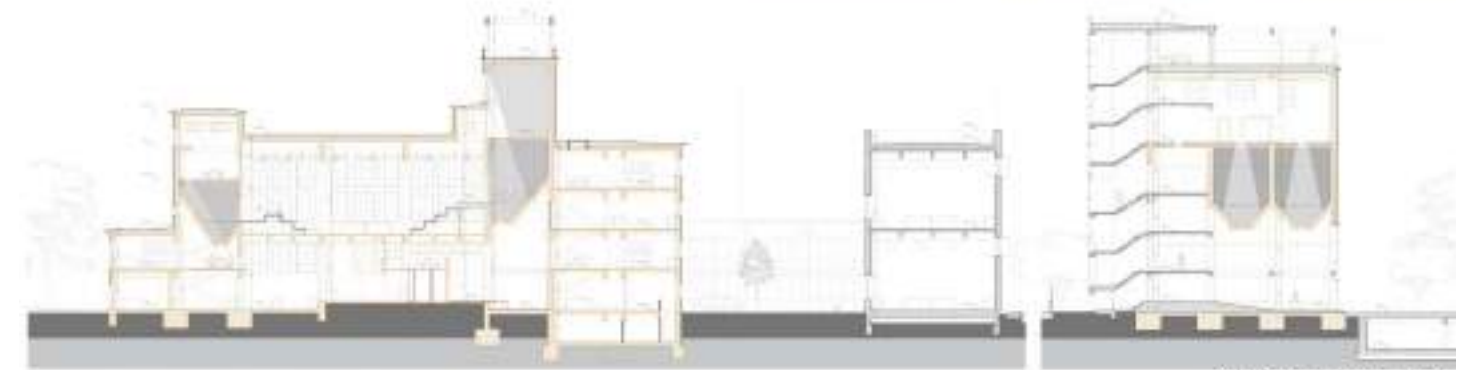
Strada Oradiei 2, Cluj-Napoca, Cluj, Romania

Crișan Carla-Maria

Tutor: Profesor Dana Vais

Engineering consultant: Petru Rus

Apart from saving an old building, the project stands for exploring new functions and types of spaces in the unusual and interesting volumetric shape of an old. The approach leads to a reconversion up to 100% of the building and offering inspirational spaces for learning and researching. The new building is housing performance laboratories and is connected to the old one mirroring the volumetry in an interpretative way - the emptiness of the machines hall is mirrored as an empty outside space, crossed by long corridors opening to the landscape. The new and the old are in an continuous dialogue from the planimetric point of view to the volumetric and elevations one. The project succeeds in giving a new purpose to a disfunctional factory with 5 story and to give the community an outside public space. The sustainability of reactivating a part of the periphery of the city stands in the making of people that will arrive at the center and will increase the public interest or at least their knowledge in the advanced materials domain.



Sections - longitudinal and transversal



Plans - ground floor 2nd and 3rd floor

Faculty of Architecture and
Urban Planning Cluj-Napoca



Another home

Hotel for patients and relatives, Cluj-Napoca

Student:

Ina CRIȘAN

Supervisor:

Assoc. Prof. Andreea MILEA, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Another home.

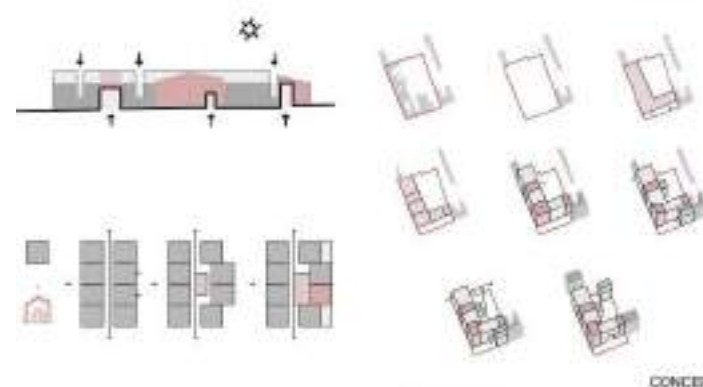
Hotel for patients and relatives

Iuliu Hațieganu street 5-13, Clinicilor street 14-16, Cluj-Napoca, Cluj, Romania)

Ina Crișan

Tutor: Andreea Milea

Engineering consultant: Petru Rus



The project focuses on the development and integration in the context of a Hotel for patients and relatives, which will serve the adjacent hospital in Cluj-Napoca, with the intention of improving the experience of patients and their relatives. The organization of the urban island where the site is located, was solved starting from the functional and dimensional fragmentation of the existing buildings. A main north-south connection and a secondary one east-west are designed, in the spirit of the Cistercian urbanism of Cluj. These are shared space circulations for pedestrians and car access dedicated to ambulances, doubled by plantations, squares, urban furniture. Two green cores are proposed, the square on Mottor street, in front of Polyclinic no. 2 and the one in the garden of the Livada restaurant. The concept is based on zones on each level of the building. Having multiple roles, they differentiate the parent and family hotel from a classic hotel, by feeling "home". The "Atrium" zones make the transition from private accommodation units to common spaces. They are large in the role of the living room at home, invite to socializing, bring light, ventilate, create visual connections between levels, by means of skylights. The terraces facing the courtyard create a gradual connection between the spaces of the attic, respectively of the 2nd floor and the garden. A winter garden extends the vegetation upwards. By shifting the floor voids related to each level, in the common spaces, we avoid the feeling of grandeur in favor of a more familiar space. The possible alignment, in a future stage, is the withdrawal limit according to the RLU from the PUS on Clinicilor Street, is thought of with a building body adjacent to the neighboring blind wall, demountable and rebuildable, proposed on a metal structure. This, together with the reuse of processed brick from demolitions for brick cladding, ensures the sustainability of the construction.



CLINICILOR STREET PERSPECTIVE



INTERIOR PERSPECTIVE



INNER COURTYARD PERSPECTIVE

Food market Cluj-Napoca

Student:

Ilie Daniel Danci

Supervisor:

T.Asist. Alice OPRICĂ, Ph.D.

Engineering consultant:

Assoc. Prof. Nicolae SOCACIU, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Food market

FN Trifoiului Street, Cluj Napoca, Cluj, Romania

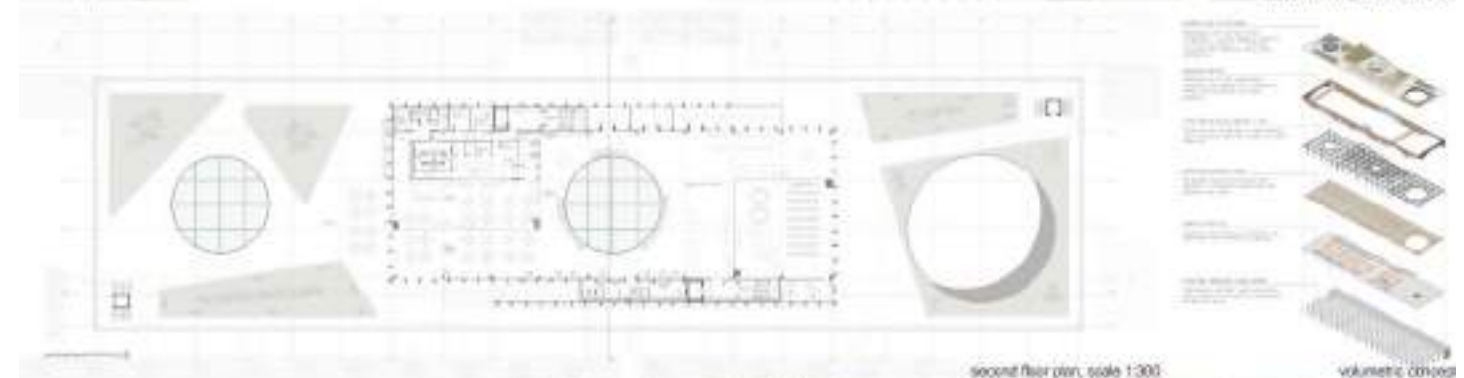
Ilie Daniel Danci

Tutor: As. Dr. Arh. Alice Oprica

Engineering consultant: Conf. Dr. Ing. Nicolae Socaciu

The city of Cluj Napoca has a significant commercial component. In addition to its large dimensions, the city serves as a focal point for neighboring localities, catering to the needs of both its residents and visitors. A multitude of grocery stores with diverse offerings are present in the city, providing options for its inhabitants. However, I believe that the opportunity to purchase quality, healthy, and diverse local products should be extended to all residents. As an advocate for a healthy and balanced lifestyle, I find that the market fulfills a substantial portion of these needs. Consequently, I have proposed for my diploma project a market that addresses the requirements of visitors while also integrating the necessity for hygienic spaces and green areas for the immediate vicinity residents. The site is situated in the heart of the Buna Ziua neighborhood, adjacent to the Lid store and in close proximity to the Grand Hotel Italia. The land designated for the market construction spans an area of 7,677 square meters. The topography is relatively flat, gently sloping towards the Lid store. Currently, there are no structures on the site, with the majority of the land covered in grass and small vegetation.

The project not only proposes a market but also a place of social cohesion for the residents in the area. The terrace is designed as a restaurant space and a multifunctional hall, green space, and an amphitheater.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Restructuring of agro-market Astra Braşov

Student:

Ana DOBROTĂ

Supervisor:

Lect. Mihai RACU, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Restructuring of agro-market Astra

Uranus street 14, Brasov, Romania

Ana DOBROTĂ

Tutor: Sef. Lucr. Dr. Arh. Mihai RACU

Engineering consultant: Petru RUS

The city of Brasov is a palimpsest, evolving various layers of history from medieval times to the present day. Over the centuries, it has evolved from being a local fair to organizing centralized markets. Since the fall of the dictatorship, Brasov has developed a unique hybrid social structure that blends elements of both markets and fairs, reflecting a semi-controlled form of commerce and social interaction.

Today, this dynamic is evident in places like the Astra Market. Originally established in the 1930s as part of a commercial strategy, Astra Market served as a central gathering place for workers of the newly designed neighborhoods surrounding the factories of that era. The project aims to revitalize Astra Market, preserving its historical significance while adapting to contemporary social needs.

The proposed design for the Astra Market seeks to express the idea of a palimpsest by showcasing its historical layers. It acknowledges the past, which, although not always joyful, is an integral part of the community's collective memory. The architectural approach emphasizes quality: the front facade retains a historical appearance, welcoming new visitors with a sense of tradition and continuity, while the back facade embodies modernity, symbolizing the current era and the care that locals deserve in their everyday lives.

By balancing historical context with contemporary requirements, the revitalized Astra Market will not only honor Brasov's rich heritage but also meet the innate social needs of its people. This project strives to create a space that fosters community interaction and reflects the evolving identity of the city, bridging the past and present in a harmonious and meaningful way.



PROPOSED SITE PLAN

Faculty of Architecture and
Urban Planning Cluj-Napoca



Community center in restructuring area 1. Cluj-Napoca

Student:

Gloria Kristy ELKAN

Supervisor:

Lect. Rareș DRĂGAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Community center in restructuring area 1.

Intersection of Onisifor Ghibu and Scortariilor streets, Cluj-Napoca,
Cluj County, Romania

Gloria Kristy Elkan

Tutor: Sil. Dr. Arh. Rareș Drăgan

Engineering consultant: Conf. Dr. Ing. Imola Kirizsan

The project studies a space that can be applied in any urban situation, regardless of its size or large dimensions, for the regeneration of urban public space, aiming at improving the quality of life in areas built recently or in the past. The goal of the project was to create a "miniature and smart city" integrated in already existing urban fabric. The spatial scheme of the project is divided into a central development corridor for the city or a development in small-scale modules. A set of rules regarding the placement of new buildings on plots and their relationship with the neighborhood, including access, circulation and functional requirements, was established.

The urban character is preserved as a point of reference for the future, and the new urban area can become just as important as the old one. The project focuses on urban extension of these points of interest and an opportunity for the continuity of mobility within the city. The existing pedestrian mobility routes are mostly sidewalks bordered by car parking spaces or streets congested with heavy traffic or areas designated for public traffic, marked as such. Specific traffic infrastructure but without these adjacent to pedestrian paths. The proposed routes are clearly defined as the already completed segments. They are planned as an urban corridor along the main traffic arteries and at the same time to connect these areas of interest with a public space, allowing for stopping and exploring it.



Faculty of Architecture
and Urban Planning Cluj



Complex of complementary equipment for schools in Năsăud

Student:

Călin-Eugen EREMEI

Supervisor:

Lect. Daniel ȘERBAN, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Complex of complementary equipment for schools in Năsăud

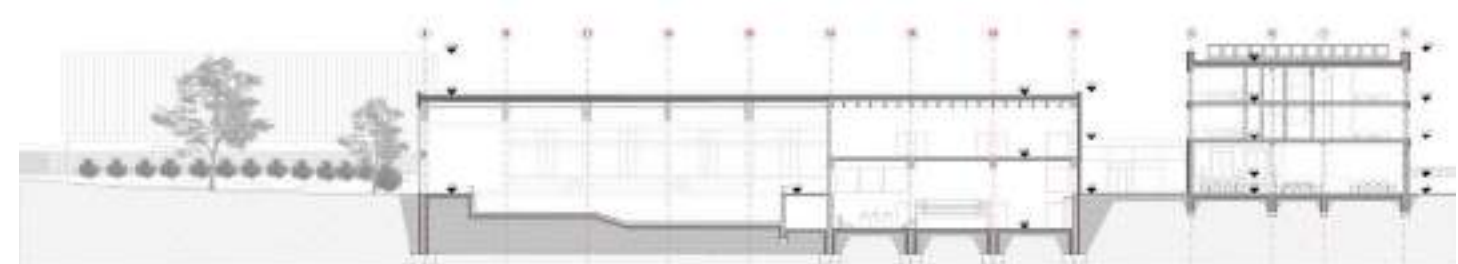
Bulevardul Grănicerilor Street 2, Năsăud, Bistrița-Năsăud, România

Călin-Eugen Eremei

Tutor: Daniel Șerban

Engineering consultant: Radu Hulea

The town of Năsăud has gained recognition in the Transylvania region due to its historically developed educational institutions. However, due to a lack of investment, these institutions have fallen into a poor state, which has prevented them from keeping pace with the evolution of modern schools. The complex was developed within the school property of the "George Coșbuc" National College, considered the most prestigious educational institution in the town. Its purpose is to restore the schools in Năsăud to their former level and to provide local children with access to contemporary facilities. The complex includes a series of functions designed to address the main issues faced by students, such as the lack of essential facilities in modern schools, the absence of extracurricular activities, and the need to travel long distances to access education. Thus, the project involves the extension of an adjacent building to the school with essential facilities such as a library and a cafeteria, the construction of a new building to host a variety of activities like swimming, dancing, and wrestling, the creation of accommodation for students who live far away, and the rehabilitation of the existing courtyard and sports hall.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Community Center in Aleea Carpați, Târgu Mureș

Urban regeneration strategy of the socialist neighborhood

Student:

Mihai-Răzvan FARCAȘ

Supervisor:

Assoc. Prof. Dragoș DASCĂLU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Community Center in Aleea Carpați, Târgu Mureș Urban regeneration strategy of the socialist neighborhood

Farcaș Mihai-Răzvan

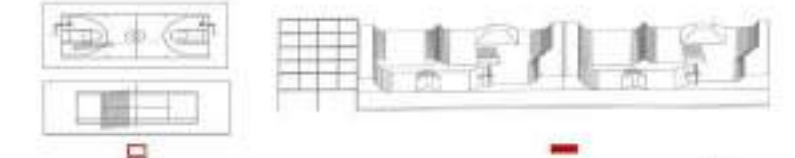
Tutor: dr. arh. Dragoș Dascălu

Engineering consultant: Radu Hulea

The realized project consists of an urban regeneration strategy that aims to preserve the urban qualities of the Aleea Carpați neighborhood designed by the architect Emil Truța in 1963. The strategy consists of specific architectural and urban interventions that want to bring back the community life of the neighborhood and produce the public space and the facilities that the neighborhood needs. The main building within the network is the Aleea Carpați community center which includes the main community spaces. Community activities are born in the urban public space that represents the first support of social life. The public space must support the initiatives of the inhabitants, the aspirations regarding the quality of urban life, the need for socialization, information, and the manifestation of creativity. The urban regeneration of the socialist neighborhood generates the space in which the community center program was born. It appears as a result of the utilization of public space and establishes new urban and community relations.



west elevation



ground floor plan



longitudinal section

Workshops for Technical and Vocational Education and Training in Piatra-Neamț

Student:

Mihail-Olivian FOCȘĂNEANU

Supervisor:

Lect. Mihai RACU, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

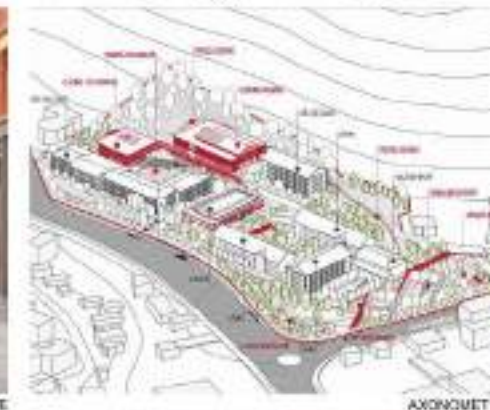
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**Workshops
for Technical and Vocational
Education and Training in Piatra-Neamț**
Bulevardul Traian nr. 31, Piatra-Neamț, Neamț, România
Mihail - Olivian Focșăneanu
Tutor: Mihai Racu
Engineering consultant: Petru Rus

The project aims to draw attention to the shortcomings of the technological education system in the country, but particularly in my hometown, Piatra Neamț. After extensive research and visits, I could observe that these high schools, including the largest one, Technical Highschool Gheorghe Carlieru, urgently need modernization. The current workshops are in very poor condition, having not been refurbished since the socialist time so the practical aspect of education, essential for these institutions, is severely impacted. Therefore, the project wishes to offer modern spaces that will increase the interest in this field through flexibility and technology.

The ambition of the proposal is to restructure the entire campus and reorganize the space between buildings. Two workshop buildings will be replaced with new, modern ones that will meet current needs. The main building will include a multifunctional hall for various practical activities, and the modular structure will allow spaces to be customized according to users' needs. The double-height spaces and discreet metal structure will add both aesthetic and functional value.

The campus layout will be relocating the sports area to the east, making it accessible to both students and the community. The corner of the campus will be transformed into a park, providing the city with a much-needed green space. Vehicle access will be strategically organized to ensure student safety and facilitate the supply of materials to the workshops.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Center for Arts and Crafts

Reghin, Mureș

Student:

Aurica-Lăcrămioara FRICIU

Supervisor:

Lect. Laura PATACHI, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Center for Arts and Crafts

Ierbușului Street Nr. 10, Reghin, Mureș, Romania

Aurica-Lăcrămioara Friciu

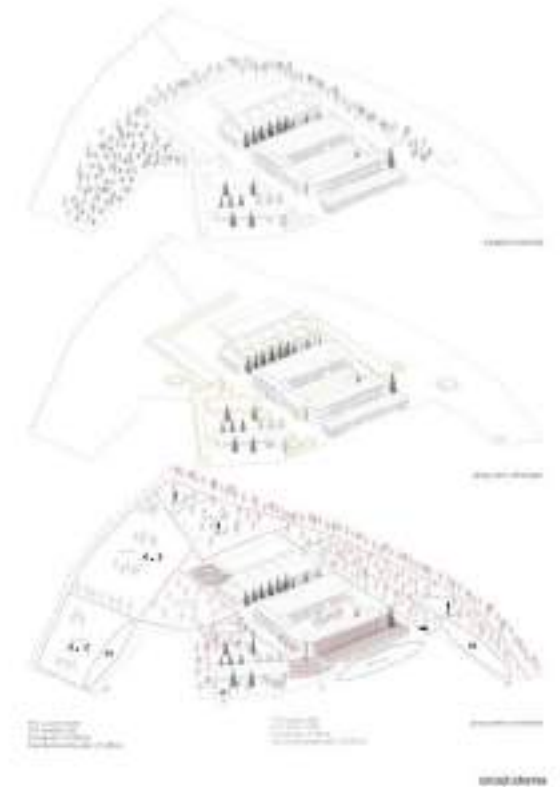
Tutor: Laura Patachi

Engineering consultant: Radu Hulea

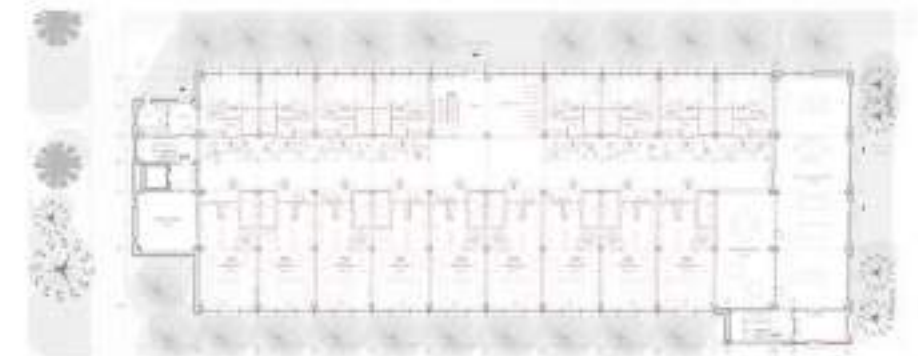
The Center for Arts and Crafts in Reghin aims to attract young people and prevent their migration. The project addresses this issue by offering opportunities for professional and personal development. The architectural program includes five key components: education and training, culture, entrepreneurship, sports, and housing.

Education and training are fundamental, providing spaces like workshops and educational facilities. Culture promotes creativity and cultural activities, enhancing community development. Entrepreneurship offers office spaces and workshops for young innovators to bring their ideas to life. Sports facilities promote a healthy lifestyle, including outdoor sports fields and indoor recreational areas. Housing focuses on 'starter homes' for young people becoming independent.

These components are integrated through green spaces, forming a cohesive and sustainable project that revitalizes an abandoned site.



macro perspective with the silhouette of the public space



ground floor of building showing waterworks



macro perspective with the silhouette of the public space



section through building 2 with view of the facade

Contemporary School Cluj-Napoca

Innovation and functionality in the educational architecture

Student:

Robert FÜREDI

Supervisor:

Răzvan-Alexandru POTÎNG, Ph.D.

Engineering consultant:

Assoc. Prof. Nicolae SOCACIU, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Contemporary School - Cluj-Napoca Innovation and functionality in the educational architecture

The intersection between 34-37 Bună Ziua Street and 1 Augustin Buzura Street, Cluj-Napoca, Cluj County, Romania

Robert Füredi

Tutor: Răzvan Alexandru Potîng

Engineering consultant: Nicolae Socaciu

The presented project is made up of 4 buildings with the main role of educational functions: elementary school, middle school, high school and a building that houses the gym of the mentioned schools. Considering that the rapid process in which today's societies develop and the people's constant desire to change, the main goal of this project is to improve the educational functions through different methods, and studied throughout the semester, through the dissertation and the diploma project. In general, I focused on methods to improve children's understanding and memorization capacities through the visual impact that architecture and surrounding design can have. Some of the proposed methods are curved shapes to refuse the monotony created by excessive order and repetitiveness, interior height differences to create a visual connection between floors and to highlight the functionality of different rooms, encourage biophilia in educational spaces through exterior gardens and greenhouses, a greater importance given to sport activities and a stronger connection with the community through them. The school yard was divided into places with different themes, depending on the positioning and the nearest building around them, also creating relations with the future park in Bună Ziua.



aerial view



isometric view



exterior perspective



interior perspective



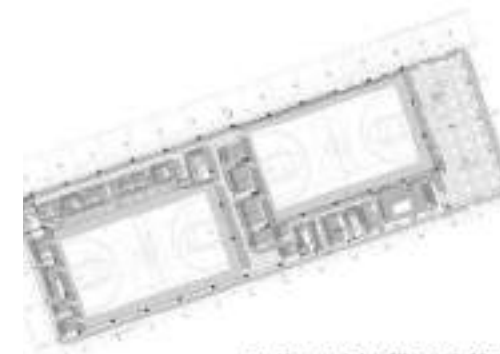
ground floor plan of the high school



AA' section of the high school



BB' section of the gym building



semi-basement plan of the gym building



north-west facade of the high school



south-east facade of the gym building

Faculty of Architecture and
Urban Planning Cluj-Napoca



Cultural and exhibition center Târgu Jiu

Student:

Elena Bianca GHERGHINOIU

Supervisor:

Assoc. Prof. Octav OLĂNESCU, Ph.D.

Engineering consultant:

Assoc. Prof. Nicolae SOCACIU, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Cultural and exhibition center Târgu Jiu

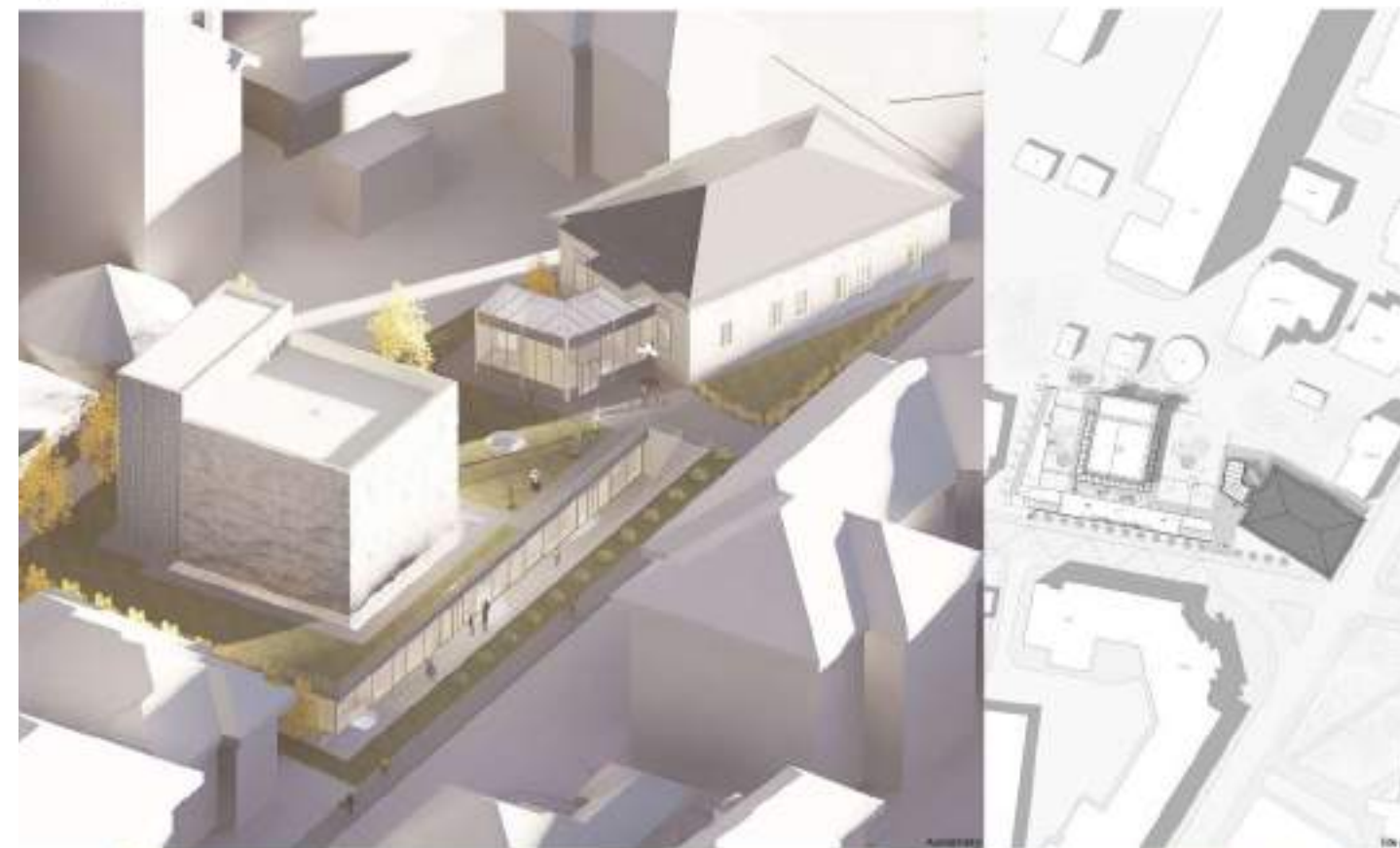
Calea Eroilor nr. 27, Str. Geneva nr. 9, Târgu Jiu, România

Elena-Bianca Gherghinoiu

Tutor: Silviu Octav Olănescu

Engineering consultant: Nicolae Socăciu

Although the city of Târgu Jiu has a rich cultural history, it nevertheless lacks adequate spaces for conducting cultural activities. In this regard, a new building with exhibition and cultural spaces is proposed, as well as the use of the house of the renowned Călinescu family, which has a rich history in the city. The nucleus of this project is the core in the middle of the new building. This space, which rises from the ground and has a height of 11 meters, symbolizes the idea of the sacred that Burrows integrates into his work. Additionally, the materials, dimensions, and atmosphere are inspired by his work. The three above-ground levels do not have windows, and the entire exterior of the building is clad in natural stone, suggesting the idea of an inhabited sculpture. Outside, the garden is surrounded by sculptures and green spaces. Thus, the insertion of this cultural space supports the "Calea Eroilor" (Path of the Heroes) and adds dynamics to its course.



Faculty of Architecture and
Urban Planning Cluj-Napoca



The Pocloș stream as social and educational infrastructure

Târgu Mureș, Mureș

Student:

Estera - Adela HĂDĂREAN

Supervisor:

Alexandru FLEȘERIU, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

The Pocloș stream as social and educational infrastructure

Prieteniei Street, Târgu Mureș, Mureș County, Romania

Estera-Adela Hădărean

Tutor: dr. art. Alexandru Fleșeriu

Engineering consultant: sl. dr. ing. Petru Rus

The Pocloș stream of Târgu Mureș has a great potential but it is not exploited enough. Its flow creates in the city an axis that crosses the entire city, linking the city center with more neighborhoods. So, the stream becomes a great potential alternative transit route. The Tudor Vladimirescu neighborhood was designed and built with the stream in mind, therefore alongside it there is a pedestrian promenade. Its placement, away from traffic, gives the stream a peaceful character, creating the ideal place for the community of all ages to spend their free time. In particular, the place is very suitable for children, whose play takes place "between the blades", thanks to the pedestrian axis protected from the cars. The project also proposes a renovation of the stream bed which has been heavily anthropized since the building of the neighborhood in the '70s. So, a new route for the stream is created, forming overall with the role of taking over excess water. Moreover, a series of small buildings and pavilions provide for this new route in the neighborhood, the most important one being an educational Hub, where children can spend their free time participating in various workshops and activities.



Therapeutic Community dedicated to addiction treatment

Detox and rehabilitation center, Satu Mare

Student:

Ada-Ștefania HERȚEA

Supervisor:

Lect. Daniel ȘERBAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Therapeutic Community dedicated to addiction treatment.

Detox and rehabilitation residential center.

Călinești-Caș village, Satu Mare County, Romania

Ada-Ștefania Herțea

Tutor: Șt. dr. arh. Daniel Șerban

Engineering consultant: Conf. dr. ing. Imola Kirizsan

This project is the result of something that once started as a mere curiosity about the depths of the human brain where it comes to addiction and turned into a beautiful exploration of how architecture shapes our experiences and how it can be used as a viable tool in bettering the healing process, from general aspects to in detail matters regarding the addicted mind. It is located in Călinești-Caș village in Satu Mare county, by overlooking the lake, it creates a bridge towards mindfulness and awareness through therapeutic views and a great diversity of vegetation. This diversity, which is good for creating new neurological pathways, is also translated into the structure of the project, combining concrete and wood for transporting the patient into a multitude of spaces. The main reason I chose this program is the lack of residential treatment centers in Romania, and the oversaturation that is taking place and making people feel like they need to be brave in order to ask for help, consequently leading people towards functional addiction and I hope and know that I managed to design a building that will facilitate the recovery and will not make the person who gets courageous enough to ask for help regret her decision in this matter. The approach of this project aims to raise and cultivate empathy and allow sensibility to come in when viewing these problems, because at least on my part the whole design process has managed to make me see new colors on the spectrum of compassion.



Perspective inside the rehabilitation building overlooking the creative workshop and group therapy spaces



Facade depicting the main entrance



Site plan



Section that represents the steps of recovery (from left to right) detox and rehabilitation



Perspective towards the rehabilitation buildings



Concept sketches



Perspective inside the detox area

Elderly Care Center

Gura Humorului, Suceava

Student:

Andreea-Carla ILAȘ

Supervisor:

Lect. Adriana MĂGERUȘAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Elderly Care Centre

Mihai Eminescu Alley, Gura Humorului, Suceava, Romania

Andreea-Carla Ilăș

Tutor: Adriana Măgerușan

Engineering consultant: Imola Kirizsan

Romania, like many other European countries, is facing the phenomenon of demographic aging. Due to declining birth rates and increasing life expectancy, the percentage of the elderly population is on the rise. Currently, most centers for the elderly are understaffed, lack qualified personnel, have outdated infrastructure, and have limited capacity. I believe that the creation of a center where elderly people have access to all the amenities they need is a necessity. This can become "home" for them, a safe, comfortable, and stimulating environment that offers them a sense of belonging to a community.

The establishment of this center for the elderly can become a positive model, worthy of being followed, for the Bucovina region and other cities in Romania, highlighting the importance of investments in social assistance infrastructure. The functions of the elderly center were organized around a courtyard. The areas designated for rooms are oriented East-West, and the spaces allocated for common activities are organized in the North-South direction. Additionally, the cottages with 2 and 3 rooms were organized for elderly individuals who do not require constant care. Although the site is located in an urban environment, a series of volumetric elements specific to Bucovina's rural architecture were adopted.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Core of creativity

Educational center for children in Zalău

Student:

Andrada-Denisa ILIEȘ

Supervisor:

Assoc. Prof. Andreea MILEA, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Core of creativity. Educational center for children in Zalău.

22 Decembrie 1989 Street 13A-19, Zalău, Sălaj, România

Andrada-Denisa Ilieș

Tutor: Andreea Milea

Engineering consultant: Radu Hulea

The project talks about education, children, and fostering their creativity through activities carried out in a non-formal education center, with the main objective being the extension of the Children's Palace's life and its transformation into an important urban landmark and a primary point for children's development. I chose this topic because I believe that the subject of children and the architecture of the spaces where they develop is important, deserving in-depth research and understanding as that we, as architects, can create qualitative and useful spaces for them. Therefore, it is proposed to create a contemporary version of what was and is known as the "Children's Palace," an educational center whose program will combine creative workshops with activities in the artistic, scientific, and technological fields, along with a library and public functions such as a café, bookstore, and multifunctional hall intended for the entire local community. All of these will address problems both in the immediate vicinity of the site and throughout the entire area. The goal of the project is, on the one hand, to transform existing sites into elements that connect socially and urbanistically, and, on the other hand, to provide a conducive environment for the development and cultivation of children's creativity, responding to the city's need for spaces dedicated to children and non-formal education that stimulates learning through individual or team activities.



Faculty of Architecture and
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Emergency Crisis Center in the City of Câmpulung Moldovenesc

Student:

Irina ISTRATE

Supervisor:

Miruna MOLDOVAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Emergency Crisis Center in the City of Câmpulung Moldovenesc

13 Decembrie street, Câmpulung Moldovenesc, Suceava, România)

stud. arh. Irina ISTRATE

Tutor: dr. arh. Miruna MOLDOVAN

Engineering consultant: Conf. dr. ing. Imola KIRIZSAN

The proposed emergency center is a vital initiative amid current global humanitarian and geopolitical crises. The project is multifunctional and adaptable, providing immediate shelter and support in critical situations such as political conflicts, natural disasters, or pandemics.

The structure includes modular apartments and a lightweight metal framework, flexible for rapid expansion and reconfiguration. Residences are designed to ensure comfort and privacy, with well-defined communal and sanitary spaces. The right wing of the center is dedicated to permanent housing, with options for social housing conversion, while the left wing accommodates temporary residences. The ground floor features diverse functions including reception, cooking, workshops, cafeteria, day care, and medical services, organized flexibly to meet the immediate needs of the affected community.

The goal is to create an integrated and dynamic community, combining residential, educational, recreational, and administrative functions to aid in the recovery and development of individuals in distress.



Temporary housing



Interior garden



Ground floor plan



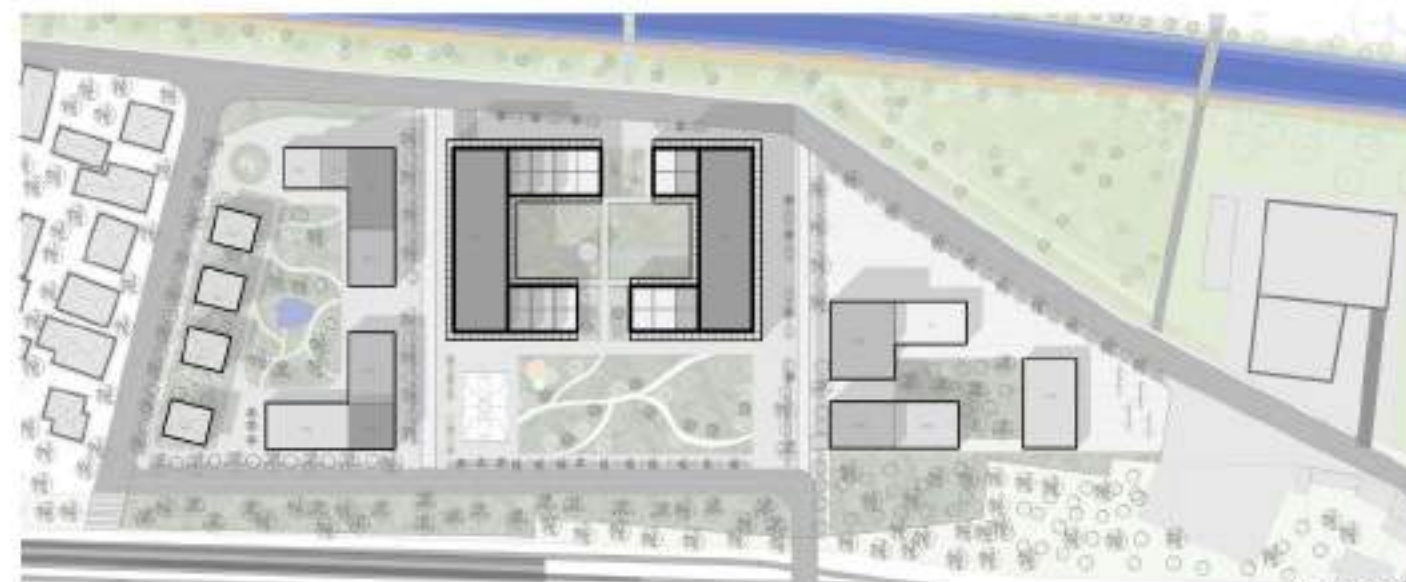
First floor plan



Emergency expansion scenario



Apartment flexibility diagram



Proposed site plan

Faculty of Architecture
and Urban Planning Cluj



Museum of Contemporary Art

Rehabilitation of the built fabric in the historic center of Odorheiu Secuiesc

Student:

Kata LACZKÓ

Supervisor:

Assoc. Prof. Cristina PURCAR, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Museum of Contemporary Art Rehabilitation of the built fabric in the historic centre of Odorheiu Secuiesc

02 Town Hall Square, 09 Kossuth Lajos Street, Odorheiu Secuiesc,
Harghita County, Romania

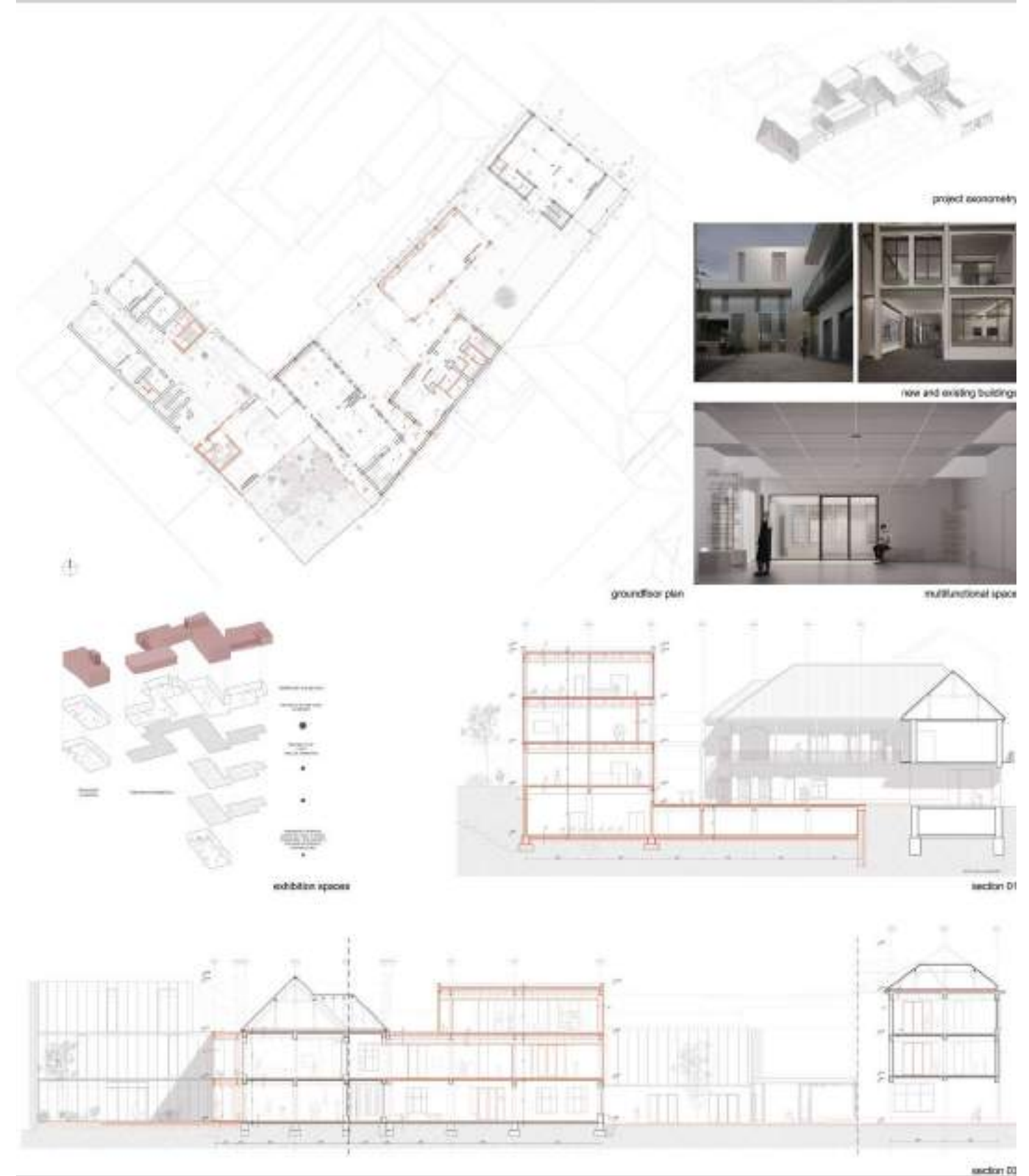
Kata Laczkó

Tutor: Cristina Purcar

Engineering consultant: Imola Kirizsan

Like all cities, the historic centre of Odorheiu Secuiesc has experienced constant change over time, and will continue to do so in the future. The aim of the project is to rehabilitate an abandoned and unused area and to expand the cultural sector by creating a new contemporary art museum. There is a growing trend of unused and derelict buildings in the city centre, such as the abandoned Vokta Clothing Factory site in the historic urban fabric. In response to this problem, the project would transform and reuse people perceived as problematic, opening up urban inner courtyards and continuing the process of urbanization by creating new public and cultural spaces.

The design theme refers to a shortage of museum spaces and contemporary art spaces in the city. The project realizes a contemporary art museum with regard to the development of the existing museum infrastructure and to the cultural life of the city, as well as to the issue of emigration of local artists due to the lack of a suitable environment to develop and exhibit. The 20th-century industrial buildings are distinct in the densely built-up urban fabric; however the decision was made to retain and reuse buildings in good physical condition, so these existing buildings, together with the 19th-century building on the adjacent parcel, are part of a conversion project. The complex will house another permanent exhibition, thus allowing temporary exhibitions to predominate, with the layout of the new and old open spaces providing flexibility.



Faculty of Architecture
and Urban Planning Cluj



Municipal Library in Reghin

Urban Front Recovery at the Mill Canal

Student:

Katalin LENGYEL

Supervisor:

Assoc. Prof. Cristina PURCAR, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Municipal Library in Reghin. Urban Front Recovery at the Mill Canal

Apalinei street nr. 1, Reghin, Mures, Romania

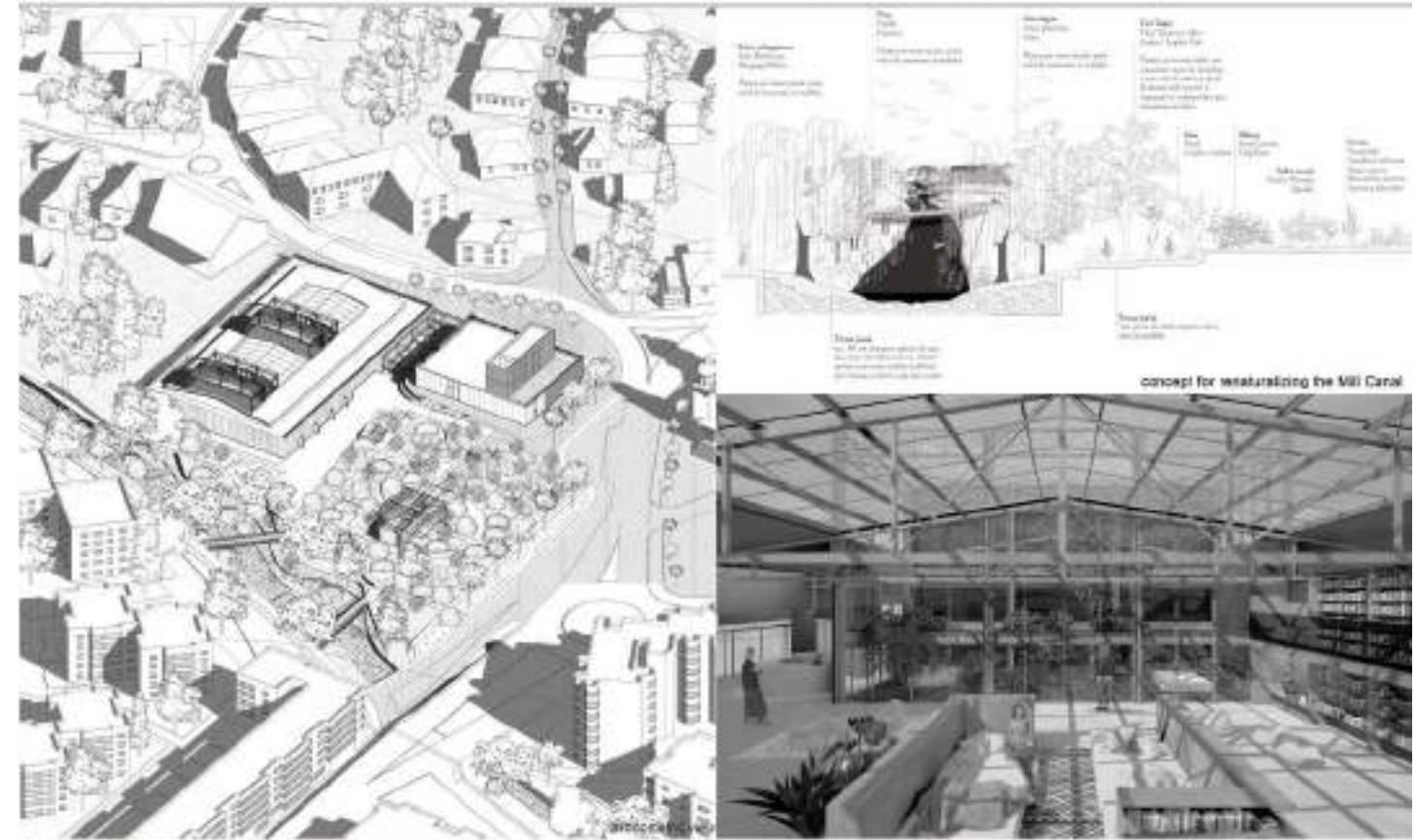
Katalin Lengyel

Tutor: Cristina Purcar

Engineering consultant: Imola Kirizsan

Thanks to the ability of commerce to adapt spatially and temporally to new consumer demands, it has left behind large vacant buildings in the urban space, waiting to be reused. These buildings are often stigmatized as worthless and ugly, but they can be given a new function that reintegrates them into the urban fabric. They can be refurbished with little funding and offer ample and flexible space thanks to their light structure with large openings.

The project to reuse the Lidl supermarket building in the city of Reghin proposes a new space for the municipal library, built in two phases, and the restoration of the parking lot around the building, providing a green oasis and opening access to the Mill Canal. The supermarket is changing its location in order to expand, providing an opportunity for the municipality to reclaim valuable land in the immediate vicinity of the historic center. The commercial building conversion project foresees two phases: a first low-cost intervention on the building, which will house the main library function, and the naturalization of the parking lot. In the second phase, in case further development is needed, an underground public parking and a conference room with rentable co-working offices will be built. In this way, the project offers a solution to make use of the sites of large commercial areas, which in many cases end up being occupied by another commercial chain or demolished.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Multidisciplinary Creation Center

Where Art meets Fashion

Student:

Andrei LEȘCĂU

Supervisor:

Prof. Dana VAIS, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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MULTIDISCIPLINARY CREATION CENTER

Where Art meets Fashion.

Dr. Sorinel LEȘCĂU - Cluj-Napoca, Cluj, Romania

Stud. Arh.: Andrei LEȘCĂU

Tutor: Prof. Dr. Arh. Dana VAIS

Engineering Consultant: Dr. Ing. Imola KIRIZSAN

The building falls under the category of "Cultural Buildings" being classified as a Cultural Center. This building is intended not only for the consumption of art but also for the creation of art. The necessity of the project begins at the academic level. Cluj-Napoca, I observe that the creation workshops are intended for the consumption of art but also for the creation of art. After discussing with students from different departments, I notice a common lack of space. "Space, space," these words are present in every discussion, from any disciplines. From its very existence, the project addresses the theme of space necessity, providing versatile dimensional rooms for students and artists in general. Choosing a program that requires large areas and high ceilings pushed me towards a lightweight structural solution that also allows for large openings. Therefore, I chose metal. The load distribution is done through hollow-core metal columns, measuring 60 x 60 cm with a thickness of 8 cm. They are connected in the other direction by 70 cm high perforated beams. The choice of these beams was made for technical reasons, as I wanted to run ventilation pipes through the perforations of the beams. The flooring is of lightweight construction, consisting of corrugated sheet metal and a secondary support structure made of 100 x 500 beams.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Collective Mixed Housing Sibiu

Student:

Andreea Ioana MARGINEAN

Supervisor:

Prof. Dana VAIS, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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COLECTIVE MIXT HOUSING

Str, Tractorului nr 3, Sibiu, Sibiu, Romania

Andreea Ioana Marginean

Tutor Dr Arh Dana Vais

Engineering Ing Radu Hulea

The project is designed to integrate into the urban fabric while offering high-quality housing with a sustainable focus. Located near lake Binder in Sibiu, this development comprises eco-friendly buildings that blend modern architecture with green spaces.

The project includes rooftop gardens, communal green areas, and integrated shades in design. There are numerous courtyards with different aspects and in the centre a little body of water. It emphasizes community living, with shared spaces for social activities and eco-conscious practices while addressing the pressing need for quality housing in the city.



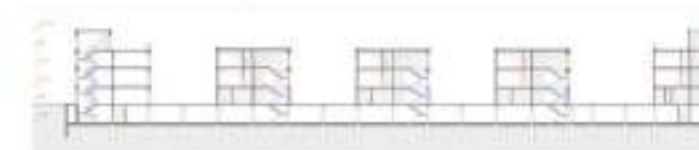
aeronomy



courtyard



Facade



Ground floor

Section

Faculty of Architecture and
Urban Planning Cluj-Napoca



Extracurricular educational center for children Alba Iulia

Student:

Maria MARTINI

Supervisor:

Lect. Daniel ȘERBAN, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Extracurricular educational center for children

B-dul Transilvaniei, 33, Alba Iulia, Alba, Romania

Maria Martini

Tutor: Daniel Șerban

Engineering consultant: Petru Rus

The Children's Palace in Alba Iulia, which offers free tutoring in art, literature, culture and technology is the best solution for the thousands of children who want to discover new hobbies, develop creativity and make friends in Alba Iulia. But the overcrowding of the existing building makes admission a challenge. One solution to the problem is the construction of a new building, the distribution of activities across three buildings in three districts and the creation of a network of centres. The new building will create adapted spaces with plenty of room and facilities, and offer new courses for children. With six art workshops, a dance hall, a sports field and gardening greenhouse, the new centre will focus on these areas, while cultural, literary and technical activities will take place in the other two areas. The volumetric concept follows the functions of the building, which is divided into three areas according to the activities that take place inside. The three different volumes are interconnected, leaving an interior garden for natural light and ventilation. The building creates a connection with the outdoor area on the ground floor and offers the possibility of extending the activities in the garden. Outside of the learning schedule, the multi-purpose hall, the sports hall, the dance hall and the performance hall would serve the neighbourhood.



Day center and temporary housing for young women at risk

Bistrița, Bistrița-Năsăud

Student:

Ariana MOCEAN

Supervisor:

Lect. Silviu ALDEA, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Day center and temporary housing for young women at risk

Gheorghe Șincai 26, Bistrița, Bistrița-Năsăud, România

Ariana Mocean

Tutor: Lecturer dr. arh. Silviu Aldea

Engineering consultant: conf. dr. ing. Imola Kirizsán

The program is a mixed one: social day center and temporary housing. The project studies the architecture through three points: disappearance of the process but led to the transformation of the urban fabric; reappearance is the reconstruction of a function present in the site since the medieval period, to provide the local community with a place for the shelter and protection of those in need. Memory is the key to the project. The atmosphere that the site has preserved both in ruins, images, architectural plans and in the living memory of the community, becomes the appropriate space for a social center. This center is taking shape in Bistrița inside the former fortified enclosure, in the Pădure monastery monastery complex, today the parish complex of the Roman-Catholic church „The Holy Trinity”. It is organized around courtyards: that of the community, the administration and the memorial. The main functions are distributed in 4 buildings: the administration and parish office and home (building A), the social center and housing (building B), the community hall (building C) and the place of contemplation: the church (building D). The project is a complex one: it explores urban renewal, archival research, restoration and more, approaching the reconstruction of a former monastery with hospital in a contemporary form, dedicated to the local community and adapted to today's needs.



site evolution and proposal

atmosphere



ground floor plan



G. Șincai street elevation



first floor plan



longitudinal section

Faculty of Architecture and
Urban Planning Cluj-Napoca



Technology Transfer Center for Robotics and AI Systems, Cluj-Napoca

Student:

Filip - Otniel MOGOVAN

Supervisor:

Lect. Rareș DRĂGAN, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Technology Transfer Center for Robotics and AI Systems

Calea Turzii 116-119, Cluj-Napoca, Cluj, Romania

Filip Otniel Mogovan

Tutor: Rareș Viorel Drăgan

Engineering consultant: Petru Rus

In terms of innovative and technology transfer, at EU level, Romania is a modest innovator, with the lowest percentage of companies that have innovated and commercialized in the European Union. In Romania there is a large amount of research activity, which is generally performed in universities and research institutions. However, many of the research patents resulting from research are not implemented in industrial applications.

The project aims to intervene in this direction by setting up a technology transfer center that will act as an intermediary between the supply and demand of innovation on the market. The center specializes in robotics and artificial intelligence, two areas that together can bring various benefits to society. The proposed location for the technology transfer center is in Cluj-Napoca, Romania's most important development center after Bucharest. The center's program proposes a space to support interaction between research and industry.

The center operates on the basis of secure, fenced zones from the general access area to the technical spaces. All spaces are designed in such a way that unauthorized access to important information and data is prevented. The main access axis is public, restricted (for a limited period of time) and controlled (biometric access). The architectural program is composed of the classical office building program into which parts of the research program are inserted.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Urban Green - Multifunctional Center and Research Laboratory for the Baia Mare Forestry Unit, Conversion of industrial platform Romplimb

Student:

Gabriela MOJOLIC

Supervisor:

Assoc. Prof. Octav OLĂNESCU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Urban Green - Multifunctional Center and Research Laboratory for the Baia Mare Forestry Unit. Conversion of industrial platform Romplimb Str. Barajului, Baia Mare, Maramures, Romania

stud. Gabriela Mojolic

Tutor: Conf. dr. arh. Octav Silviu OLĂNESCU

Engineering consultant: S.I. dr. Ing. Radu HULEA

The project aims at the conversion and urban regeneration of the former metallurgical plant "1 Mai" (currently named Romplimb), an old industrial platform in the center of Baia Mare neighborhood. The entire platform is reconstructed, highlighting the aesthetic values and dynamism of the existing industrial buildings. The existing buildings are divided into distinct areas, each serving a specific function: from its craft center, industry museum, to a school and commercial spaces.

The Multifunctional Center is incorporating the largest hall on the site, a building composed of 3 halls with distinct structures. The concept of the project is to be able to use each hall independently. The first part of the building houses an event hall, the second hall incorporates the research center, the gardens, and the third exhibition area, public catering and workshops. The program is easily integrated into the existing structure made up of precast concrete elements. The building is spread over an area of 7900 square meters, using every space to its full potential.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Contemporary art center

Bistrița, Bistrița-Năsăud

Student:

Nicu-Marian MOLDOVAN

Supervisor:

Prof. Mihaela Ioana AGACHI, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Contemporary art center

Ecaterina Teodorescu street number 2-4, Bistrița, Bistrița-Năsăud, Romania)

Nicu-Marian Moldovan

Tutor: prof. dr. arh. Mihaela I. Agachi

Engineering consultant: assoc. prof. engr. Imola Kirizsan, phd

The contemporary art center is located on the outer edge of the old medieval citadel, in close proximity to George Corbuc Square and the municipal park. The idea of a "Center for Contemporary Arts" came from the desire to create an inspiring place that offers visitors the experience and opportunity for exposure and personal development. The main goal of the project is to create an inviting space for people interested in culture and art, a space where they can explore and develop their talents. The proposal is located on a main axis crossing the old citadel called the Axis of Arts, which connects three important squares: George Corbuc Square, Small Square, and Central Square, forming an important corridor with high potential for cultural development. An important aspect is the way it directly relates to the context. The art center is divided into three areas: the Media area, which opens towards George Corbuc Square and includes functions such as an immersive room, a conference hall, and a media library; the Exhibition area, which is situated towards Ecaterina Teodorescu Street and houses the exhibition space; and the Creation area, which is directly connected to the park. At the same time, the project aims to restore the old historical plot layout, which opens a new circulation route from the central area towards the park.



Proposal site plan - Structural floor scheme



Exhibition space



South-east facade perspective



Inner courtyard perspective



North-west facade



Longitudinal section



George Corbuc square



Immersive space room



Inner courtyard



Inner courtyard

Faculty of Architecture and
Urban Planning Cluj-Napoca



Housing cooperative complex Cluj-Napoca

Student:

Vasile MOLDOVANU

Supervisor:

Lect. Daniel ȘERBAN, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Housing cooperative complex.

Cluj-Napoca

(up to three lines of text if necessary)

Ciocarliei 9 Street, Cluj-Napoca, Cluj, Romania)

Vasile Moldovanu

Tutor: Daniel Șerban

Engineering consultant: Radu Hulea

The housing project is the most frequently utilized urbanization program in our country, especially in the municipality of Cluj-Napoca and its metropolitan area. Despite its widespread use, it remains a highly complex. The subject encompasses a wide range of issues, from achieving a high-quality living environment in all its various forms. The impact of housing quality can improve not only the lives of citizens but also the way individuals interact and the quality of time spent in society by encouraging human interactions through architecture.

The project's objective is to offer both a social and functional mix to the city of Cluj-Napoca and to balance the market area, which is undergoing significant real estate development. This project focuses on contemporary housing issues generated by the current capitalist society, which has significant social implications.

By focusing on cooperative housing analysis, the work aims to identify feasible aspects of this housing type and adapt them to the context of a housing cooperative. The goal is to create a collective where the residents get both beneficiaries and investors, constructing the collective housing with their own funds.

In the market neighborhood, housing predominates, with a lack of commercial spaces and public functions. Thus, the project aims to change the ground floor approach by incorporating various activities that will bring both economic and social benefits to the residents, creating a self-sustaining neighborhood.

The theme addresses the issue of collective housing, implementing both functional and structural principles to provide quality living spaces. Characterized by its innovative structure, the structure will be flexible, accommodating new or adapted modifications, even housing new functions. The work highlights the importance of architecture that responds to both spatial and social needs by creating extensive communities and ensuring housing accessibility for all.

The development of adjacent spaces, restructuring the nearby area will also be for the city's benefit, providing green corridors along streets with aligned trees interconnected with various types of green spaces. All play a crucial role in improving living conditions in the studied neighborhood. A clear hierarchy of private, semi-private gardens, and public green squares in relation to the old canal is proposed so that they can later become part of the city's green network.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Housing in historical fabric

Collective / social housing

Student:

Daniel NEACȘU

Supervisor:

Assoc. Prof. Dragoș DASCĂLU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Housing in historical fabric Collective/social housing

Urban island bounded by Horea, Craiova, Caracal, A.D. Prodan street

Cluj Napoca, Cluj, Romania

Neacșu Daniel

Tutor: Dragoș Dascălu

Engineering consultant: Radu Hulea

- In Cluj-Napoca, the economic and social changes of the post-communist period have had a significant impact on the residential structure of the city center. Horea Street, once a predominantly residential area, has gradually become a place of businesses and heavy traffic, which has contributed to the decline in quality of life and the migration of residents to other parts of the city. The purpose of this work is to analyze the causes and impact of the lack of housing in the historic urban fabric, as well as to propose solutions for revitalizing these areas through a personal project. The available documentation is limited in some respects due to restricted access to certain primary sources and the difficulty of obtaining updated data from certain areas. Results indicate a pressing need for increased housing density in Cluj-Napoca's historic center to accommodate population growth and urban migration while preserving architectural heritage. Discussions delve into the feasibility and impact of demolishing traditional peasant settlements and constructing collective housing complexes with a proportion of social housing.



Collective housing in a mineral public space



Rendering from the inner courtyard towards the greenhouses



Collective housing building in the new urban space



Site plan for the urban solution



Functional diagrams



The main buildings



Urban spaces diagrams



Urban insertion

Faculty of Architecture and
Urban Planning Cluj-Napoca



Alternative Fuel Science Center Rulmentul Industrial Platform, Braşov

Student:

Doru-Constantin NIȚU-ENCEANU

Supervisor:

Lect. Rareș DRĂGAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Alternative Fuels Science Center

Rulmentul Industrial Platform, Braşov, Romania

Doru-Constantin Nițu-Enăceanu

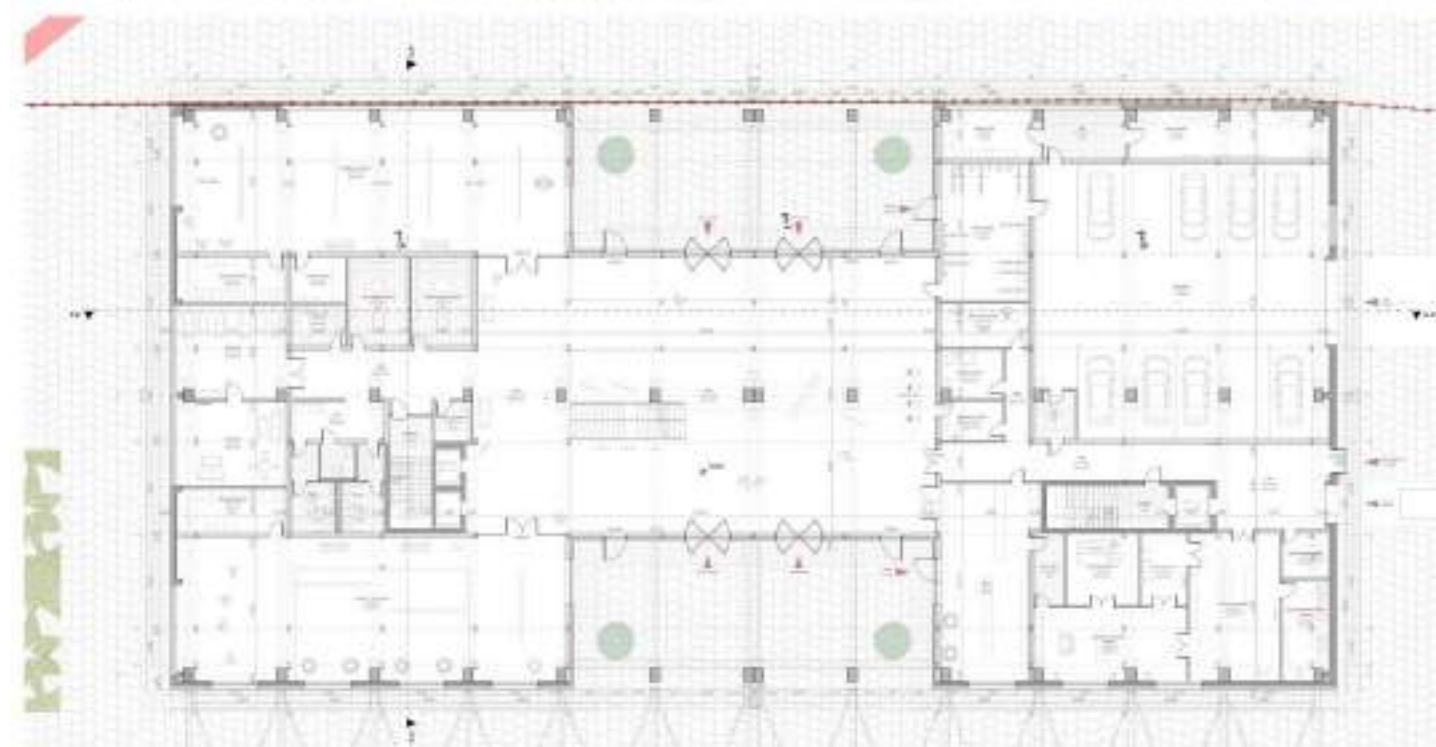
Tutor: Rareș V. DRĂGAN

Engineering consultant: Imola Kirizsan

The topic addressed in this diploma project focuses on the urban regeneration of an industrial site in the city of Braşov through the development of a Science Center dedicated to students and residents of the city, as well as the creation of public spaces through the urban renewal of the area.

The aim is to highlight the possibility of converting former industrial platforms, which after a period have now become ruins, into a place where urban regeneration can become a reality. In this sense, the site is not only a place of industrial heritage, but also a place where the city's future can be shaped. The project is divided into two main phases: the first phase is the urban regeneration of the site, which involves the demolition of existing industrial structures and the construction of new buildings. The second phase is the development of the Science Center, which will be a modern building with a large glass facade, designed to house a museum, a library, and a research center.

The project is a response to the city's need for a new cultural and scientific center, and it represents a significant step towards the urban regeneration of the Rulmentul Industrial Platform in Braşov.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Urban cinema rehabilitation and UNATC extension

Braşov

Student:

Sabina-Anna NIȚULESCU

Supervisor:

Lect. Paul Mihai MOLDOVAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Urban cinema rehabilitation and UNATC extension

Mureşenilor Street nr.7, Braşov, Braşov County, România

Sabina-Anna Niţulescu

Tutor: Paul-Mihai Moldovan

Engineering consultant: Imola Kirizsan

During the interwar period, art cinemas flourished in Romania. However, since 2000, old state cinemas, including Braşov's Popular Cinema, have gradually closed. Popular Cinema, located on Dăbâ Zduri Alley between Apoly Lajos High School and the former Red Cross Headquarters, features an adjacent, undeveloped yard and remnants of walls from a historical tower revealed in an 1887 map. The cinema appears integrated with the fortification wall due to its masonry cornice height. Rehabilitation plans involve inserting a new structure in the projection hall while preserving the foyer, stairs, mezzanine and the lateral masonry walls. Relocating restrooms under the mezzanine creates a foyer space that can function independently as a cafe. For the UNATC branch extension, the faculty director requested projection space, archives, and editing rooms. Given the small number of students, flexible spatial configurations with curtains are proposed. Structurally, a clear separation between old and new elements is maintained with a metal structure, highlighting the contrast between the massive historical wall and the transparency of the new addition. The added structure does not fully attach to the existing building, further emphasizing the fortification wall's solidity and the new structure's lightness. This approach respects the historical integrity while accommodating the present functions, creating a harmonious blend of past and present.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Cluj Sports Museum

Integrating sports heritage into the urban context, Cluj-Napoca

Student:

Alexandru - Ionuț OROS

Supervisor:

Assoc. Prof. Paul MUTICĂ, Ph.D.

Engineering consultant:

Assoc. Prof. Nicolae SOCACIU, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Cluj Sports Museum

Integrating sports heritage into the urban context

Project location (in the following order - Aleea Stadionului nr. 3, Cluj-Napoca, Cluj, România)

Alexandru Ionuț Oros

Tutor: Conf. Dr. Architect Paul Mutică

Engineering consultant: Conf. Dr. Eng. Nicolae Socaciu

The Cluj Sports Museum is designed as an interactive and immersive space that celebrates city's sports heritage. The design integrates advanced digital technologies and also analog methods to enable the interaction between visitors and the museum's interior and outdoor exhibitions.

Central to the project is the seamless integration of indoor and outdoor spaces and seek the creation of new connections within the urban context. The outdoor exhibition, situated in a landscaped area, links an adjacent street to the city's main sports facilities area, offering visitors an engaging open-air experience.

The museum hall acts as a link between the pedestrian route from the stadium grounds to the new outdoor exhibition pathway. This design enhances accessibility, integrates the museum with the city's sports venues, and enriches the urban environment, creating a culturally significant journey through the city's sports heritage.

By blending sports heritage into the urban context, the Cluj Sports Museum preserves memories and also connects the community with its sports traditions, enhancing the city's identity and public spaces.



AERIAL RENDER



INTERIOR RENDER VIEW FROM THE SECOND FLOOR TO THE ATRIUM



A.R. Display

When the window is transparent, visitors can enjoy duty in a flexible interior space which opens completely to the terrace so the library interior space extends outdoors also.

Each of the athletes with dedicated space in the permanent exhibition will receive a life-size 3D illuminated glass figure. Visitors will be able to see the 3D image of the athletes from different angles as they move around the object through the museum's app on their mobile phone. This will be possible by using augmented reality and mapping technology.



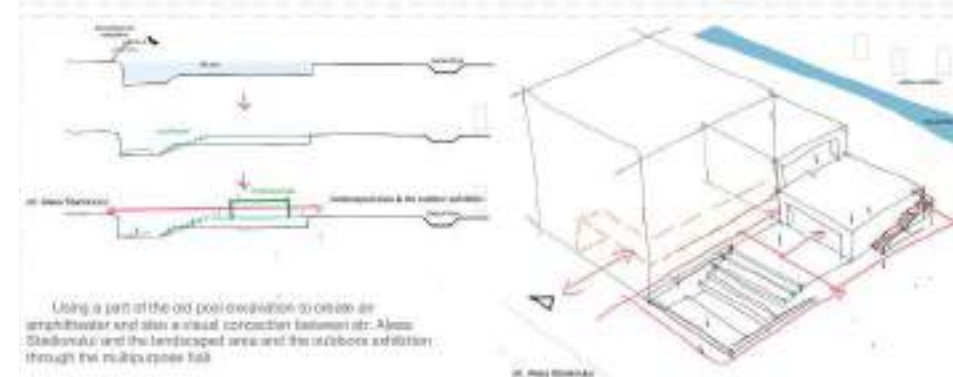
multimedia library and terrace outside terrace

OUTDOOR GROUND



The outdoor exhibition is dedicated to the citizens of the city. The exhibition will be used to promote sports events and at the same time, citizens will have the opportunity to exhibit their own personal collections. All of this will be possible by a fee that supports the museum.

name of showing, unit, 5 min



Using a part of the old pool excavation to create an amphitheater and also a visual connection between str. Aleea Stadionului and the landscaped area and the outdoor exhibition through the multipurpose hall

Dr. Paul Mutică

Using the pool

Volume sketch and circulation

concept sketches



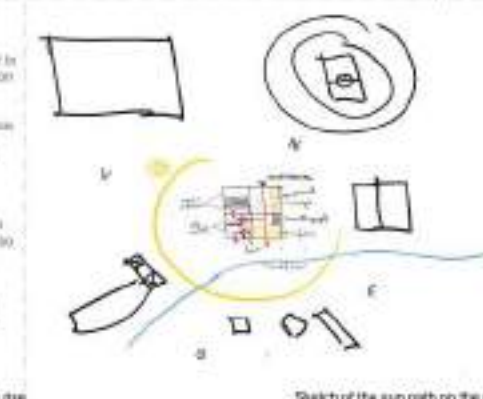
The building was designed to allow the most direct sun light on the field throughout the day.

Due to the gradual decrease in the height of the building people can enjoy the sun over the sand all day.

The reduced height of the multipurpose hall allows the sun light on the outdoor terrace also, at the sunset making a more appealing to the public.

The roof of the multifunctional hall also serves as an outdoor space for the library.

Viewpoint from the slope at sunset



Sketch of the sun path on the site



Physical and psycho-emotional rehabilitation center

Cluj-Napoca

Student:

Carla Diana PETCU

Supervisor:

Assoc. Prof. Dragoș DASCĂLU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Physical and psycho-emotional rehabilitation center

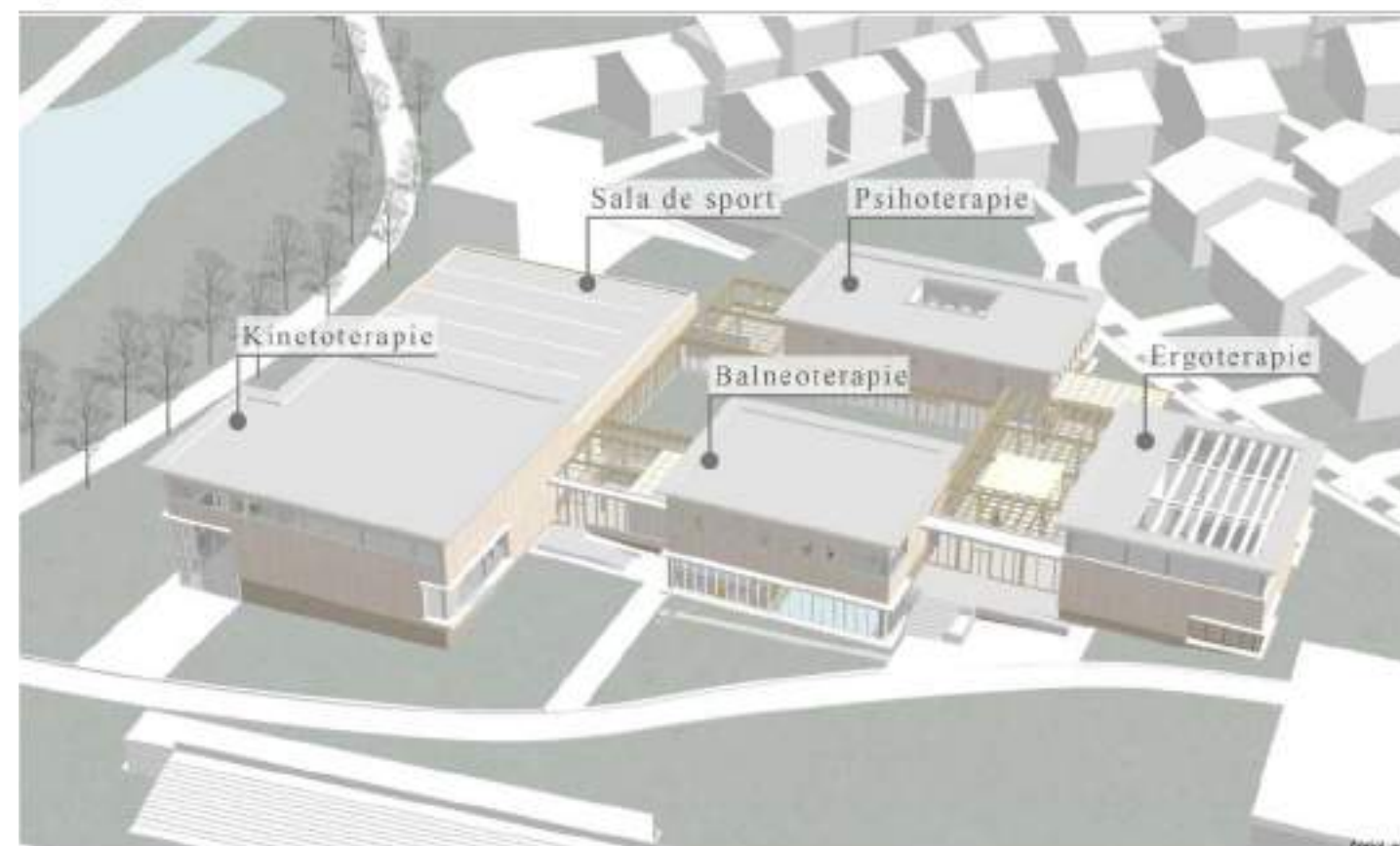
Strajerului Street and Cavaleriei Street, Cluj-Napoca, Cluj County, Romania)

Carla Diana PETCU

Tutor: Dragoș DASCĂLU

Engineering consultant: Radu HULEA

The project presents two categories of spaces: semi-private access spaces and private access spaces. The semi-private access spaces include the fitness room, the sports lobby, and the indoor sports field, while the private access spaces include the therapy rooms and common areas for the center's clients. The fitness room and the sports field have semi-private access because they are also used as part of the center's therapies. The concept of the space involves the opening of the recovery center towards the interior and the opening of the public spaces towards the exterior. A large inner courtyard is dedicated to the recovery center's clients. The concept of interior organization consists of creating four volumes, one for each therapy. These are united by a circulation around the perimeter of the courtyard, allowing them to be accessed independently from each other. The circulation is separated from the rest of the areas by service spaces, making orientation easy. The relative volume resulting from the adjoining therapy spaces is broken up with pavilion-like structures integrated into the building. In this way, the building harmonizes with the scale of the location, the neighborhood being composed of houses.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Conservation and research center for aviary fauna and water quality

Limanu, Constanța

Student:

Andrei Lucian PICIU

Supervisor:

Endre VÁNYOLÓS, Ph.D.

Engineering consultant:

Assoc. Prof. Nicolae SOCACIU, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Conservation and research center for aviary fauna and water quality

Mircea Eliade street, Number 1, Limanu, Constanta, Romania

Piclu Andrei Lucian

Tutor: Varyolos Endre

Engineering consultant: Mircea Socaciu

The present assembly was created following an extraordinary need for the natural context in the Mangalia city area and the Limanu commune to conserve the unprecedented interaction of all the biotopes that Dobruja enjoys. At the intersection of the nine Natura 2000 sites, the site functions as a buffer zone because of its location on the border between the contemporary anthropized environment and the luster of water that nourishes the surrounding natural context. The diversity of functions it aims to satisfy comes from the complexity of pollution. In addition to the scientific dimension that the site proposes, the need for integration into the conservation process of the local population is present mainly in the architectural ensembles of museums, libraries, auditoriums, and cafes. The two research centers enjoy privacy, with public attention directed toward public and semi-public functions. In the design process, awareness of contemporary architecture was aimed at local building principles in relation to weather conditions, functionalities, and materials specific to the area. The activity of this function is all the more important because it is not only addressed in the immediate vicinity but also to the entire southern side of the coast. The service it provides is related to the entire southern area of the coast and involves training in growing both the local population and tourists.



Faculty of Architecture and Urban Planning Cluj-Napoca



Institute of Culture and Arts Bistrița, Bistrița-Năsăud

Student:

Maria-Alexandra PÎSPLARIU

Supervisor:

Lect. Adriana MĂGERUȘAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Institute of Culture and Arts

Republicii 35 Street, Lupeni nr.1 Street
Bistrița, Bistrița-Năsăud

Maria - Alexandra Pîslariu

Tutor: Adriana Măgerușan

Engineering consultant: Imola Kirizsan

Through the strategic location of this program, the aim is to create a space generating interest and cultural awareness, which combines spaces for leisure and cultural consumption with a wide educational program. Thus, the emphasis will be placed on cultural and artistic training through a core of specialized practice and studio workshops, which will enter the local cultural offer through performance, exhibition and conference spaces of the contemporary architectural invention proposed, providing a launching platform and contributing the link between artists and audience community.

The balance between the educational and cultural offer is to be achieved through a mix of cultural fields, redefining the model of urban cultural institutions (such as the Romanian Cultural Institute) which will focus on 3 general areas of interest: performing arts (theatre, dance, music), visual arts and literature.

Being surrounded by some of the most important local historic buildings, the purpose of the project is to explore the way in which the existing cultural infrastructure can be reinforced through contemporary interventions and renovation of existing buildings, building a strong network of cultural spaces that provide a common ground for community and artists to which the identity of the city and to preserve the cultural identity of the city.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Reorganization and expansion of the Bistrița-Năsăud Museum Complex

Student:

Daniela POP

Supervisor:

Lect. Silviu ALDEA, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Reorganization and expansion of the Bistrița-Năsăud Museum Complex

19 General Grigore Bălan, Bistrița, Romania

Daniela POP

Tutor: Lect. Arch. Silviu ALDEA, Ph.D.

Engineering consultant: Assoc. Prof. Engr. Imola KIRIZSAN, Ph.D.



Exterior perspective - inner courtyard



Interior perspective of the lobby

The diploma project represents a proposal for the expansion of the Museum Complex in Bistrița-Năsăud County, with the aim of spatially reorganizing the entire platform. Therefore, the attention is directed to the county of Bistrița-Năsăud, more specifically to the county seat - Bistrița - a city located in the north of Romania, which has been recognized since medieval times as a historical and cultural landmark.

The Museum Complex of this municipality, located on 19 General Grigore Bălan St., has a rich historical cultural and artistic context, being registered in the List of Historical Monuments under the code BN-II-m-B-03447 by the Ministry of Culture.

The museum houses various sections and collections, including ethnography and folk art, history and archaeology, natural sciences and fine arts.

Given the extensive collection of permanent exhibits, the expansion of the museum will focus on creating flexible spaces for temporary exhibitions and events, thus providing a new dynamic to the city museum. It will also define a more complex visitor reception area and add spaces for exploration and research into the areas offered by the museum.

The route to the reception area, starting from the main entrance of the old museum, integrates organically into the inner courtyard bounded by the existing museum and the new building. It is a sinuous path that connects with secondary alleys, contributing to the natural aesthetic of the courtyard. Along the way, people can discover areas for reflection and relaxation, strategically placed to provide spectacular views of the garden and museum buildings. The trail guides the visitor in a natural way to the reception area.

The reception area of a museum plays a crucial role in the visitor experience, significantly influencing their perception and experience. The project proposes the creation of a reception area that not only fulfills basic functions such as an information point, toilets and cloakroom, but also includes facilities essential for the well-being of visitors, such as a spacious cafeteria opening onto the courtyard. This gives people the opportunity to take a break and contemplate the exhibits. The reception area thus becomes a multi-functional space designed to enhance the visitor experience, more than just an access point.

The temporary exhibition spaces, characterized by their large size and varying heights, offer high flexibility and contribute to creating a versatile and dynamic environment capable of hosting various exhibitions and events. These large spaces allow fluid movement, offering visitors relaxed exploration and memorable experiences. Investing in such spaces is crucial for a modern and dynamic museum that can adapt to the changing needs and preferences of the public.

The spaces dedicated to the research area, the creative workshops and the conference hall bring notoriety to the museum and in the academic environment, giving it the opportunity to be recognized. The aim of the program is the development of people of all ages and socio-demographic categories, giving them access to information and the opportunity to participate in different research processes in various fields.



Exterior view from the access corridor to the inner courtyard



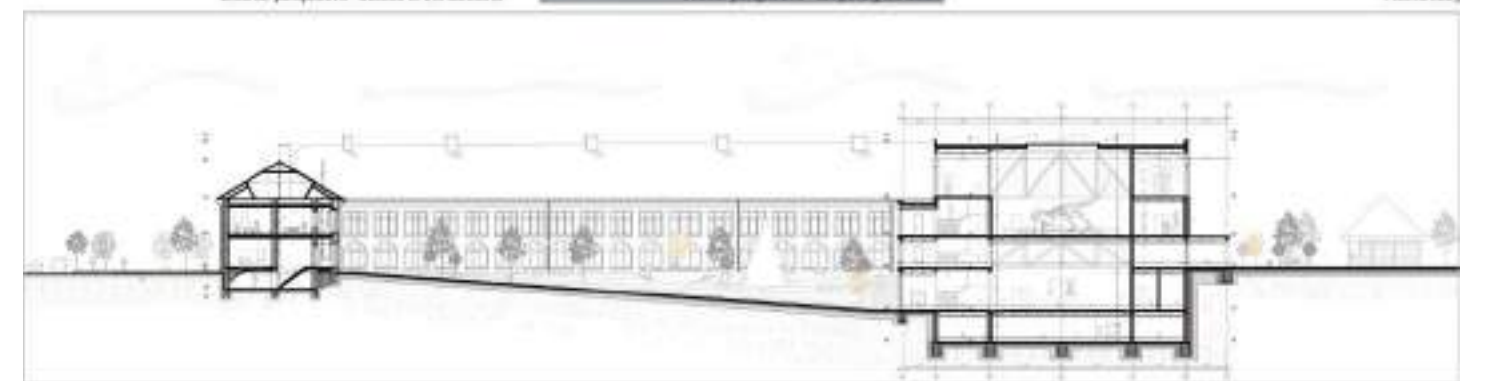
Exterior perspective - access to the cafeteria



Interior perspective - temporary exhibition



Accessibility



Longitudinal section

Faculty of Architecture
and Urban Planning Cluj



Research Center for Bio-inspired Materials and Systems Cluj-Napoca, Cluj

Student:

Larisa - Sânziana POPA

Supervisor:

Lect. Andrei KISS, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Research Center for bioinspired materials and systems

Project location: street Liviu Rebreanu, Cluj-Napoca, Cluj, Romania

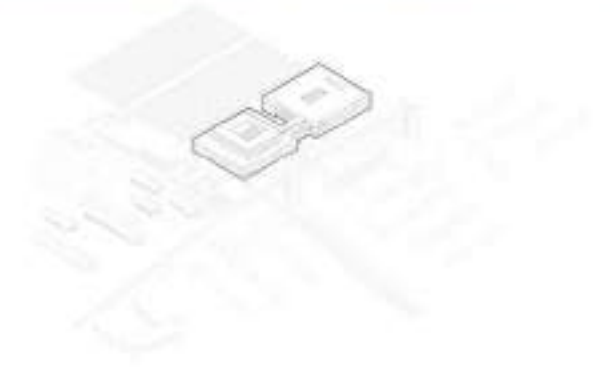
Larisa Sânziana Popa

Tutor: Iosif-Andrei Kiss

Engineering consultant: Radu Hulea

The project has three main objectives:

1. Create a space that is a continuation of the green fabric, inspired by the concept of the integration of bio-inspired and eco-friendly materials.
2. Create a space that is a continuation of the green fabric, inspired by the concept of the integration of bio-inspired and eco-friendly materials.
3. Create a space that is a continuation of the green fabric, inspired by the concept of the integration of bio-inspired and eco-friendly materials.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Oenological Center

Extention of Villa Vinea, Mica, Mureș county

Student:

Codruța Alexandra POTOR

Supervisor:

T.Asist. Alice OPRICĂ, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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OENOLOGICAL CENTER

Extension of Villa Vinea, Mica

Nr. 243, Mica, Mureș, România

Codruța-Alexandra Potor

Tutor: Alice Oprică

Engineering consultant: Petru Rus

Romania is a wine-growing country, member since 1938 of the International Office of Vine and Wine and is a traditional exporter of wines recognized and appreciated on the international market. By the size of the wine-growing areas and the productions, it is among the top ten wine-growing countries in the world. In addition to the fact that viticulture architecture reinforces the connection between man and nature, positive effects of the intervention will also be reflected in the development of the community through the economy: a winery can contribute to the creation of jobs in wine production, tourism, hosting and sales, and it can also stimulate economic activities in the rural area by attracting several categories of people. The project is organized in three volumes. The central body represents the existing building preserved as the nucleus of the winery and has the role of a multifunctional space, a passage space, activating the entire area.



exterior perspective



first floor plan



interior and exterior perspective



Faculty of Architecture and
Urban Planning Cluj-Napoca



Revitalizing Mina Boldut

Transforming the Former Mining Base in Căvnic into a Wellness and Spa Center

Student:

Cătălina - Anca ROHIAN

Supervisor:

Assoc. Prof. Octav OLĂNESCU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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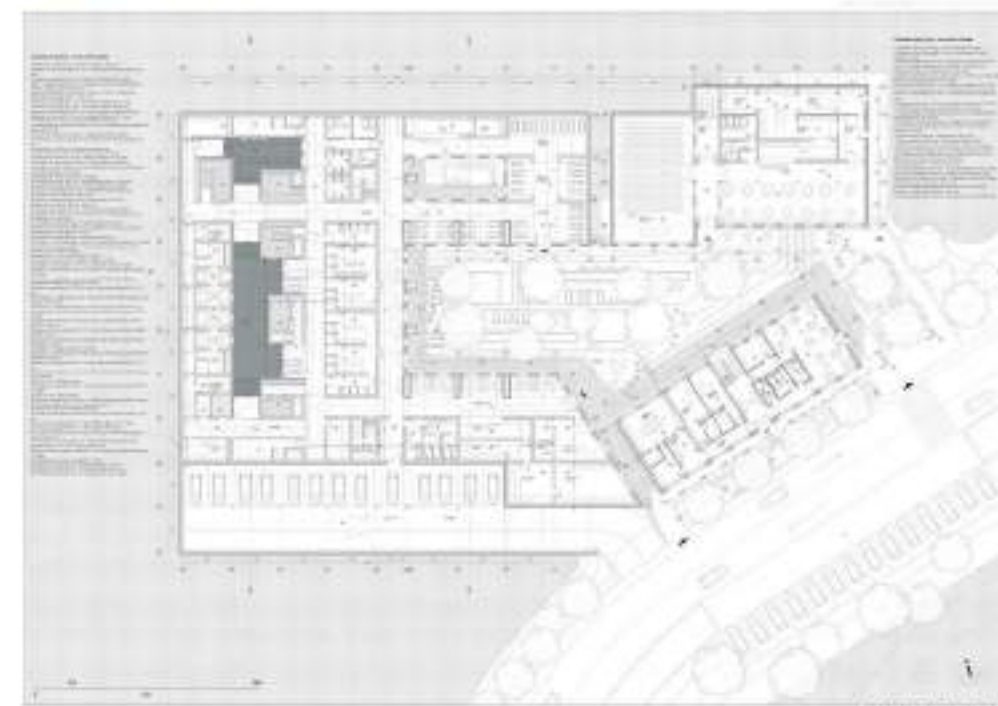
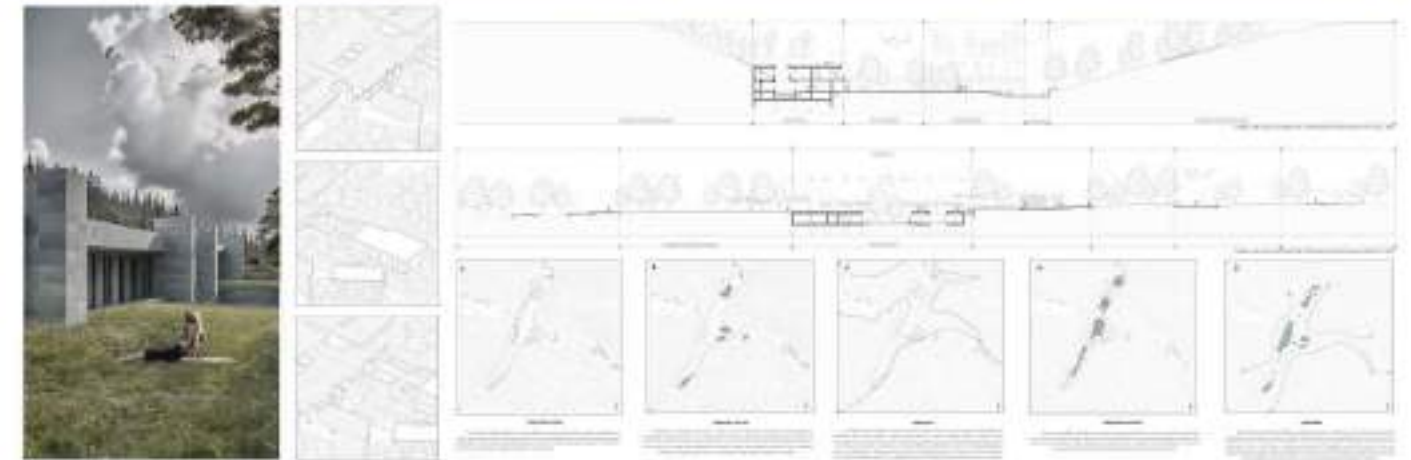
Revitalizing Mina Boldut: Transforming the Former Mining Base in Căvnic into a Wellness and Spa Center

The site is located in Căvnic, Maramureș County, Romania, between the Psychiatric Hospital and the Rândol neighborhood.

Cătălina Anca ROHIAN
Tutor: As. Dr. Ing. Octav OLĂNESCU
Engineering consultant: Radu HULEA

The project is situated in Căvnic, blending the neo-rustic aesthetic with the neo-futuristic elements. The design harmoniously integrates with the natural landscape, utilizing materials such as stone and wood, which reflect the authentic character of the region. The design elements recall the underground structures of old mines, offering visitors an immersive experience. The spaces are organized into distinct volumes that provide privacy, while ensuring a seamless connection to the landscape. The design creates a subtle transition between indoor and outdoor spaces.

The relaxation rooms and baths are designed to reflect the specific character of the neo-rustic region, creating an atmosphere of serenity and purity, in harmony with the surrounding natural landscape. Water, a central element in wellness, is treated as a natural pool and is integrated into the spa's infrastructure, offering a natural spa experience. The project respects the neo-rustic environment and preserves a natural ecological footprint, transforming the former mining site into an oasis of relaxation and well-being. The space pays homage to the history and spirit of the place, offering visitors a unique wellness experience.



Biodiversity research station

Bucharest

Student:

Tudor ROȘCA

Supervisor:

T.Asist. Alexandru SABĂU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Biodiversity research station.

Anton Holban Street, Bucharest, Ilfov, Romania.

Tudor Roșca

Tutor: Alexandru Sabău

Engineering consultant: Radu Hulea

The Petricani Meadow, Văcărești Delta, Călbăștii Delta, and Băneasa Forest are the four biological reserves of the city of Bucharest. The focus of this diploma project is the Petricani Meadow, an area of exceptional importance that emerged following anthropic interventions of a hydrotechnical nature in the last century. The diploma addresses three distinct themes: the conservation of "wild" spaces within cities, artistic methods to improve natural areas in the capital and its surrounding region, and finally, architecture as a platform for public research and education in relation to the urban environment and ecology. In Romania, there are ecological reconstruction initiatives (the process of replanting affected or destroyed natural areas), but all of them have been initiated by private entities such as WWF Romania. Additionally, park management is carried out by the Văcărești Delta Association, which is also a private organization. The project proposes a public-private collaboration through which these anthropic natural areas can be studied, conserved, and multiplied with the aim of combating local climate change and improving urban life. Another aspect to consider is the lack of appropriate infrastructure for this wild area. Therefore, the project also focuses on proposing architectural models and arrangements that are sensitive to the natural environment, while simultaneously facilitating access and helping prevent hazards such as fires or accidents.



Park security tower visualization.



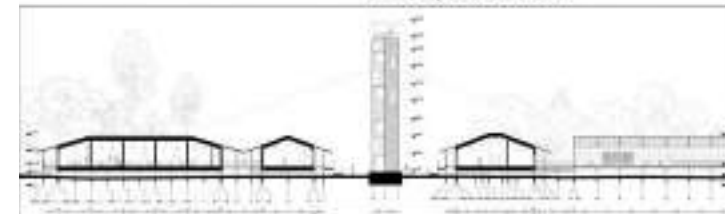
Bioeconomy research lab visualization.



Multifunctional space visualization.



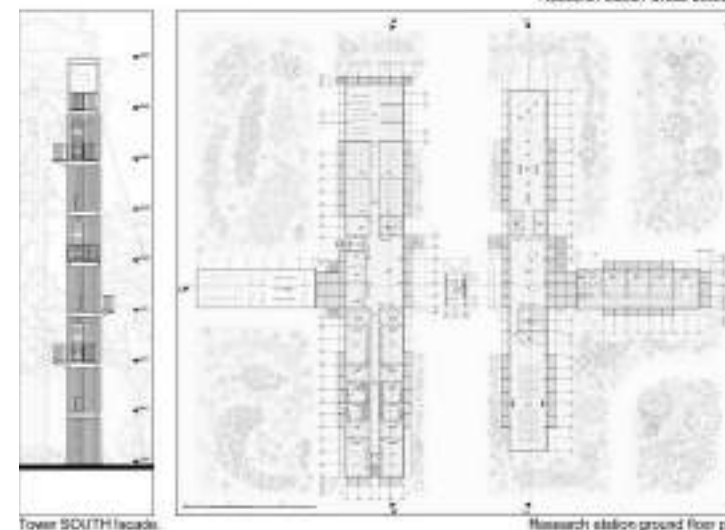
Research station axonometric view.



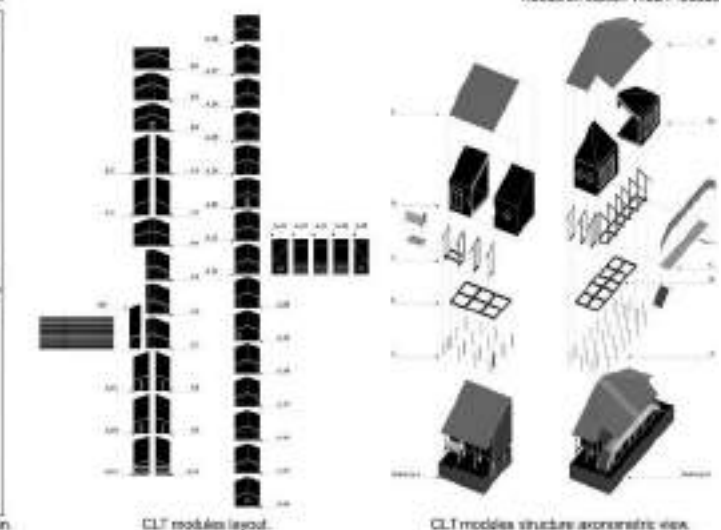
Research station Cross-section.



Research station WEST facade.



Research station ground floor plan.



CLT modules layout.

CLT modules structure axonometric view.

Studio Theatre

Bistrița, Bistrița-Năsăud

Student:

Liana Georgiana RUS

Supervisor:

Assoc. Prof. Andreea Paraschiva MILEA, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

STUDIO THEATRE

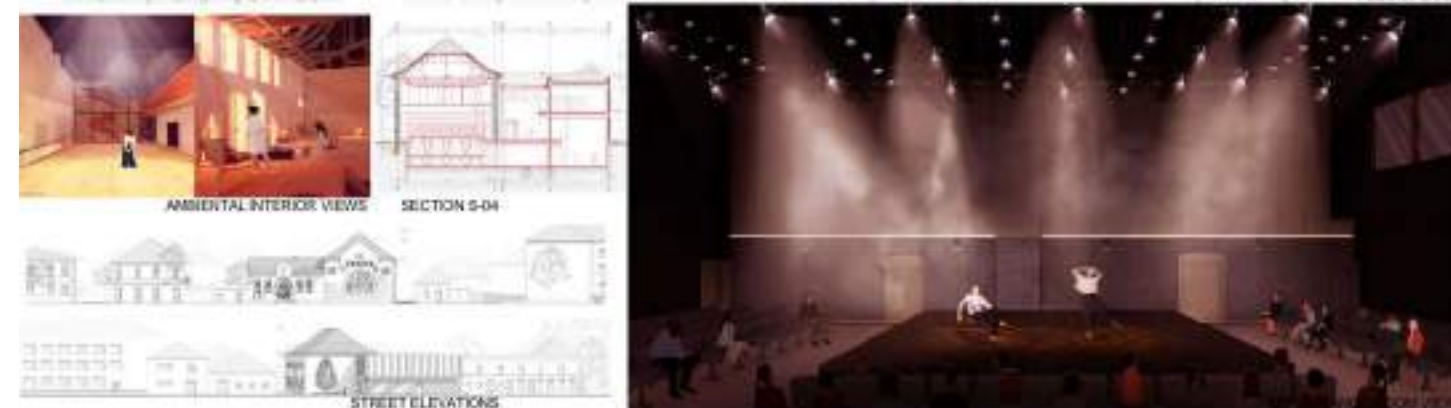
35 Republicii Boulevard, Bistrița, Bistrița-Năsăud County, Romania

Liana Georgiana Rus

Tutor: conf. dr. arh. Andreea Paraschiva Milea

Engineering consultant: Ș.I.Dr.Ing. Radu Hulea

Bistrița, like any other city from the interwar period, flourished with a cultural life that was accentuated day by day, through festive balls, singing and above all, theatrical performances. Whether they were local or touring theatre troupes, once every few days the cultural program was announced in the newspaper. These performances mostly took place at the "Gewerbeverein" hall, meaning today's House of Culture. From then until now, things have changed, and cultural life in Bistrița demands more and more, the place where these activities can be carried out are many numerous, but still not enough for the desired level. This is how the idea of a studio hall, with a not very large capacity, approximately 150-200 seats, is created, in which the actual theatrical activity will be put in the foreground, leaving to the freedom of the actors/director the arrangement and positioning of the spectators' seats in the hall. Rehearsal rooms and workshops will also be designed to further support the development of theatrical activities that will become a landmark for the city community. The site offers the opportunity to restore an important historical building in the contemporary context of continuous adaptability.



Amenajare plajă Malva Rosa și club nautic cu școală Revitalization of Malva Rosa Beach and Nautical Cluj with School, Valencia, Spain

Student:

Iulia-Lorena SABOU

Supervisor:

Prof. Mihaela Ioana Maria AGACHI, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca



Gastronomy and Culinary Arts Center

Cluj-Napoca

Student:

Iulia SĂMARTINEAN

Supervisor:

Lect. Adriana MĂGERUȘAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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GASTRONOMY AND CULINARY ARTS CENTRE

Strada Liviu Rebreanu nr. 68, Cluj Napoca, Romania

Iulia Sămartinean

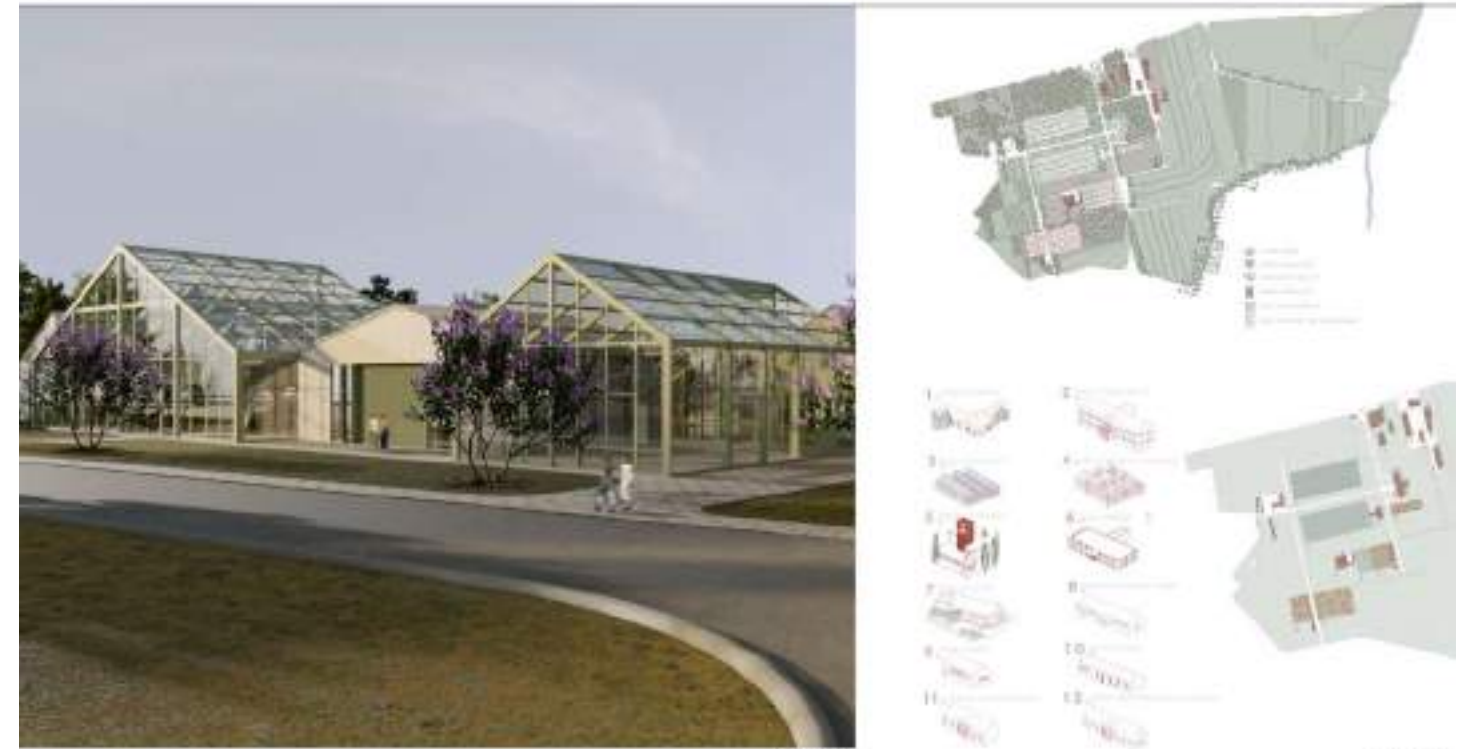
Tutor: First name and Name of tutor

Engineering consultant: First name and Name of tutor

A Center for Gastronomy and Culinary Arts, as part of the University of Agricultural Sciences and Veterinary Medicine is a vocational education institution specializing in preparing students for a career in the food industry. Students enrolled in the programs of this center will learn various cooking techniques, food preparation, presentation, kitchen management, ingredient selection and distribution, as well as aspects related to food safety and hygiene.

The chosen site is located within the Horticultural Research Station in Cluj Napoca, offering a setting where nature and urban elements harmoniously converge. It provides the city's spontaneity with an opportunity to experience a sense of escape from the urban environment, surrounded by nature despite the pressures of intense urban life.

Beyond the educational component of the project, there will be a public component that includes the existing USAMF store on this site, as well as a restaurant open to the public during a predetermined schedule.

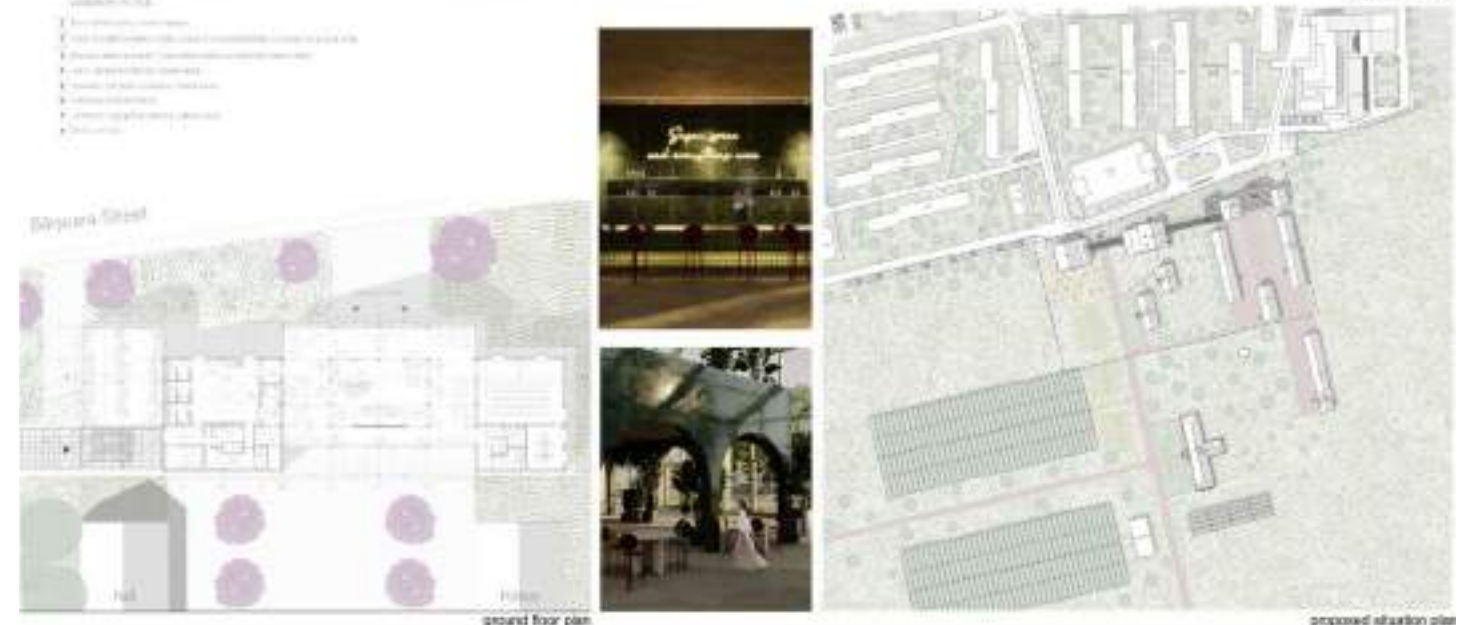


isometric view

site analysis



north facade detail



ground floor plan

proposed situation plan

Faculty of Architecture and
Urban Planning Cluj-Napoca



Sports Recovery Center

Cluj-Napoca

Student:

Ioana Iulia SAVU

Supervisor:

Lect. Adriana MĂGERUȘAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Sports Recovery Centre

28 Ilie Măcelaru Street, Cluj-Napoca, Cluj, Romania

Ioana Iulia Savu

Tutor: Adriana Măgerușan

Engineering consultant: Imola Kirizsan

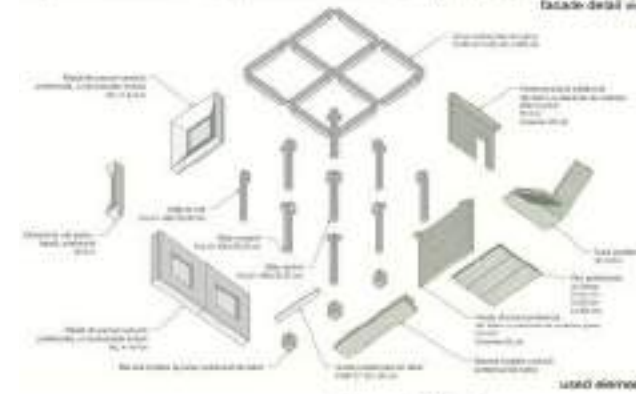
Sports recovery is one of the main elements in any athlete's life. It supports their activity by maintaining health and mobility. Given that Cluj-Napoca is considered the unofficial sports capital of Romania, I believe it is necessary for this service to be provided in the best conditions. Currently, there is no building dedicated to such a center in Cluj-Napoca. Considering the proximity to a main street, starting a construction project of this magnitude could cause major traffic and circulation issues. Therefore, to minimize construction time, the use of prefabricated elements is an optimal solution. The project aims to adopt simple architectural solutions that can be reused, rethought, and adapted over time. Concrete facades are known for their durability, easy maintenance, and the possibility of reusing the concrete at the end of the building's life. The treatment of the facades was inspired by the study of Brice Boleil. I chose to use precast concrete elements framed in 4x4 meter squares, using three molds in which these would be cast. Each module includes a differently positioned window to create depths and glazed surfaces of various sizes. The three resulting modules are multiplied and placed on the facades in such a way that they "self-shade" the windows they frame, depending on their orientation to the cardinal points.



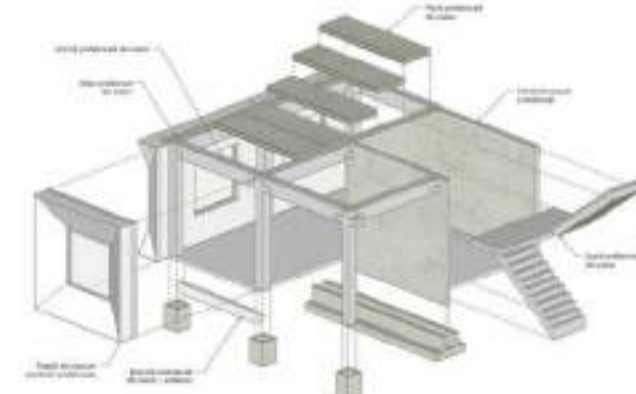
facade detail view



proposed situation plan



facade segment



assembly method



courtyard view

Rehabilitation, Revitalization and Research Center Sângeorgiu de Mureș, Mureș

Student:

Vlad-Andrei SPATARIU, Ph.D.

Supervisor:

Miruna MOLDOVAN, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Rehabilitation, Revitalization, and Research Center

Pluteilor St., Sângeorgiu de Mureș, Mureș, Romania

Stud. arh. Dr. Vlad-Andrei Spataru

Tutor: Dr. arh. Miruna Moldovan

Engineering consultant: Conf. dr. ing. Imola Kirizsan

The rehabilitation center is designed to be a cutting-edge facility focused on patient care, sustainability, and architectural innovation. Spanning 7,000 square meters, the center integrates advanced technologies and modern design principles to create an environment conducive to healing and wellness. At the heart of the project is a central lobby, which serves as the main access point and connects various spaces both horizontally and vertically. This green hub, featuring social areas, ensures clear and efficient spatial distribution. Adjacent to the lobby is a botanical garden-like space, seamlessly linking the restaurant and the multipurpose hall. This 'corner of paradise' aims to motivate healthy dietary habits through its aesthetic appeal. A key feature of the project is its sustainable roofing system, incorporating high-performance insulation panels, skylights, and solar panels. These elements work together to enhance energy efficiency, natural lighting, and renewable energy generation, significantly reducing the building's environmental footprint. The center also includes 'The Health Showcase,' a publicly accessible area designed to inform passersby about the latest medical advancements. This interface between researchers and the public highlights the center's commitment to innovation and education. Overall, the rehabilitation center stands out as a model of modern architectural design, combining patient-centric spaces with sustainable technologies to create a forward-thinking healthcare environment.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Cultural Center and Art gallery

Expansion of the Palatul Culturii in Târgu-Mureș

Student:

Csaba - Tihamer SZABADOS

Supervisor:

Assoc. Prof. Dan Ionuț JULEAN, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Cultural Center and Art Gallery: Expansion of the Palatul Culturii in Târgu-Mureș

str. Horea nr. 1-7, Târgu-Mureș, Mureș, România

Csaba Tihamer Szabados

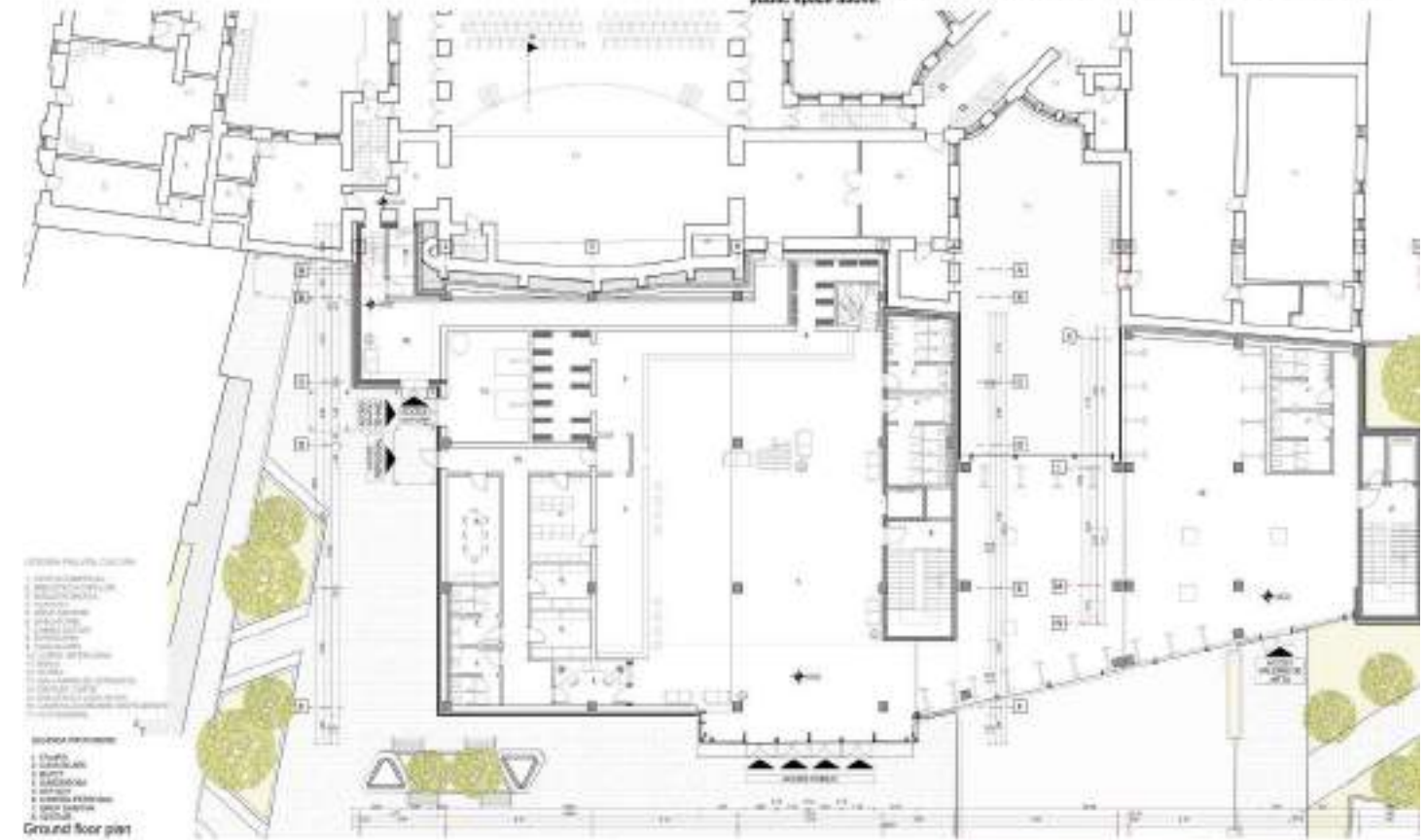
Tutor: Dan Ionuț Julean

Engineering consultant: Petru Rus

Design and Development of a Modern Cultural Center in Târgu Mureș. Promoting the Arts and Innovation in Urban Space. The creation of a multicultural hub for the public with the goal of fostering a community for all the city's residents, these are the main objectives of the project. The main objective of this project is the expansion of the Palace of Culture in Târgu Mureș, with new and flexible functions. This project represents the revival of the Palace of Culture, giving the back of the building a different monumental appearance. Another equally important objective is the rehabilitation of the selected area, demolishing parasitic buildings while preserving valuable historical buildings.

The idea behind the volumetry and design:

First of all, I was inspired by the existing party walls in the neighboring areas. These party walls shape the volumetry of the project, raising it to the 'art of party walls,' which creates an interesting and minimally intrusive dialogue with the surroundings. The volumetry is divided into two parts. The first one, above ground, represents a fine and simple architecture, almost invisible. The second part is below ground level, which has the same purpose to remain hidden and invisible creating an open public space above.



Exterior perspective



Interior perspective inside Photography Museum

Faculty of Architecture and
Urban Planning Cluj-Napoca



County Art Museum “Hollósy Simon” Baia Mare, Maramureș

Student:

Radu - Mihai ȘOIMOȘAN

Supervisor:

T.Asist. Alexandru SABĂU, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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County Art Museum „Hollósy Simon”

Victoriei street, Number 15-17, Baia Mare, Maramureș, Romania

Radu-Mihai Șoimoșan

Tutor: asist. arh. Sabău Alexandru, phd

Engineering consultant: assoc. prof. eng. Imola Kirizsan, phd

The “Hollósy Simon” County Art Museum project is located in the immediate vicinity of the Painters Colony, with access to Victoriei Street, Bui Street, and Turbura Street. It complements the current County Art Museum “Toma Mureșanu” offering not only a new exhibition space for visual art works belonging to the Baia Mare Painting School art movement but also an archive for creating a local art collection of international significance. Additionally, the spaces designated for temporary exhibitions provide opportunities for contemporary artists to display their works, as well as opportunities for collaboration with other European museums in organizing exhibitions featuring works from their collections.

Located on the western bank of the Urturi Valley, at the point of its confluence with the Săsar River, the project aims to continue the green zone of the Painters' Colony and connect it to the ecological corridor of the watercourse. The complex consists of four buildings, namely the museum building with permanent exhibitions, the museum building with temporary exhibitions, which represents the conversion and extension of an existing structure, the visitable archive building, and the multifunctional building, which can be used independently of the museum's activities.

The proposed tower offers a new visual landmark along the watercourse, marking the museum's location and complementing the city's silhouette, characterized by a series of vertical accents.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Center for learning traditional building techniques of Bucovina

Voroneț, Suceava

Student:

Octavia ȘTEFAROI

Supervisor:

T.Asist. Alexandru SABĂU, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Centre for learning traditional building techniques of Bucovina

Voroneț Street, Voroneț, Suceava County, Romania

Octavia Ștefaroî

Tutor: Alexandru Sabău

Engineering consultant: Petru Rus

The appearance of the traditional village in Bucovina is affected and altered over time by the significant changes in the new built environment. The lack of knowledge of traditional building techniques, which are among the most common, hinders a solid understanding of the specific details of the place. In such a difficult scenario, the training of future professionals who understand the specifics of Bucovin architecture is essential. Considering the rural character, the main objective of the project will be to promote the identity of a people with values and traditions, reviving forgotten techniques and thus taking into account a sustainable valorization of the craft heritage, aimed at promoting old building techniques in order to preserve and rehabilitate the built heritage.

It aims to harness the collective potential of collaboration in the rural community to provide a useful learning space for residents. The proposed educational program will prepare a community capable of preserving and rehabilitating built heritage, but also managing and rehabilitating the new built fabric. Considering the local characteristics, the school will focus on the specific craft of the region, namely woodworking. This center will offer real qualification opportunities to the local workforce by allowing them to specialize in this field under the guidance of professionals.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Conversion of the industrial space of Turda

The museum, urban and cultural activator, Museum of History - History of Turda's Industries

Student:

Adela TODORUȚ

Supervisor:

Lect. Andrei KISS, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

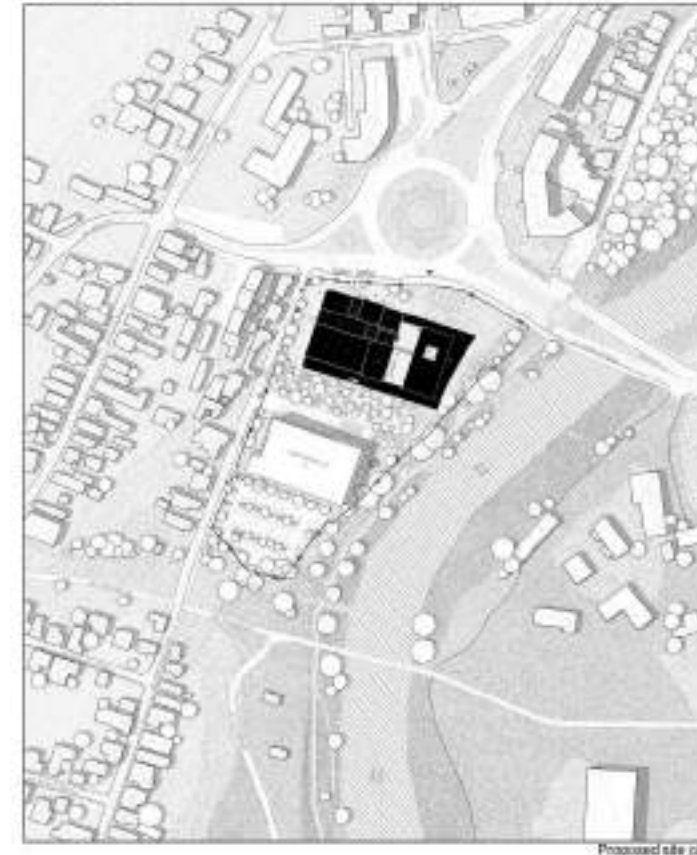
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Conversion of the industrial space of Turda. The museum, urban and cultural activator, Museum of History - History of Turda's Industries 17 Piața Romană, Turda, Romania

Adela TODORUȚ

Tutor: Lect. Arch. Andrei KISS, Ph.D.

Engineering consultant: Assoc. Prof. Engr. Imola Kirizsan, Ph.D.



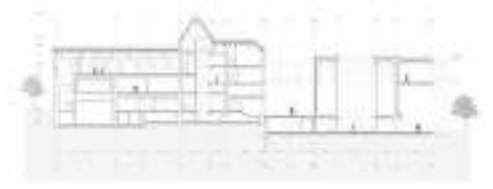
The diploma project proposes the transformation of an iconic industrial building in Turda, the Brewery, strategically located on the banks of the Arieș River. Currently used for storage and some limited cultural activities, the building has untapped heritage potential. Over time, initiatives such as establishing a community center, organizing workshops, and temporary use by the local theater have demonstrated the community's desire to preserve and actively use the building.

The project proposes transforming the brewery into a museum that commemorates Turda's industrial past, integrating exhibition spaces dedicated to major local industries. The building will be treated as an exhibit, with minimal interventions to preserve its historical and architectural authenticity. The exhibition spaces will chronologically follow the historical production flow, providing a comprehensive perception of the industrial spaces.

A new complementary volume will house functions intended for the community, thus supporting community development activities. Additionally, the proximity to the Arieș River will allow the creation of an ecological corridor, extending the exhibition outdoors. The brewery building, included in the List of Historical Monuments, stands out with elements specific to the industrial heritage of the 19th and 20th centuries, such as its solid masonry structure and eclectic roof.

The main goal of the project is to combat the disinterest in the industrial building, reintegrating it into the daily life of the residents and the cultural-touristic circuit. The project aims to remind people of the importance of the brewery and the former industrial base as an identity pole in the town's development. The success of the Brewery's conversion can serve as a model for leveraging the cultural-touristic potential of other industrial sites in the city's history, in line with the Integrated Sustainable Development Strategy of Turda Municipality 2017-2030.

By converting the industrial spaces, the project seeks to reconnect residents with the history and values that have shaped the town's development. Addressed to all social and age categories, the project aims to act as a cultural activator, strengthening this sector in a town with gaps in the cultural domain.



Faculty of Architecture
and Urban Planning Cluj



Center for Culture and Recreation

University Center for Students and Young People, Târgu Mureș

Student:

Ioana-Ancuța UNGUR

Supervisor:

Assoc. Prof. Octav OLĂNESCU, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Center for Culture and Recreation

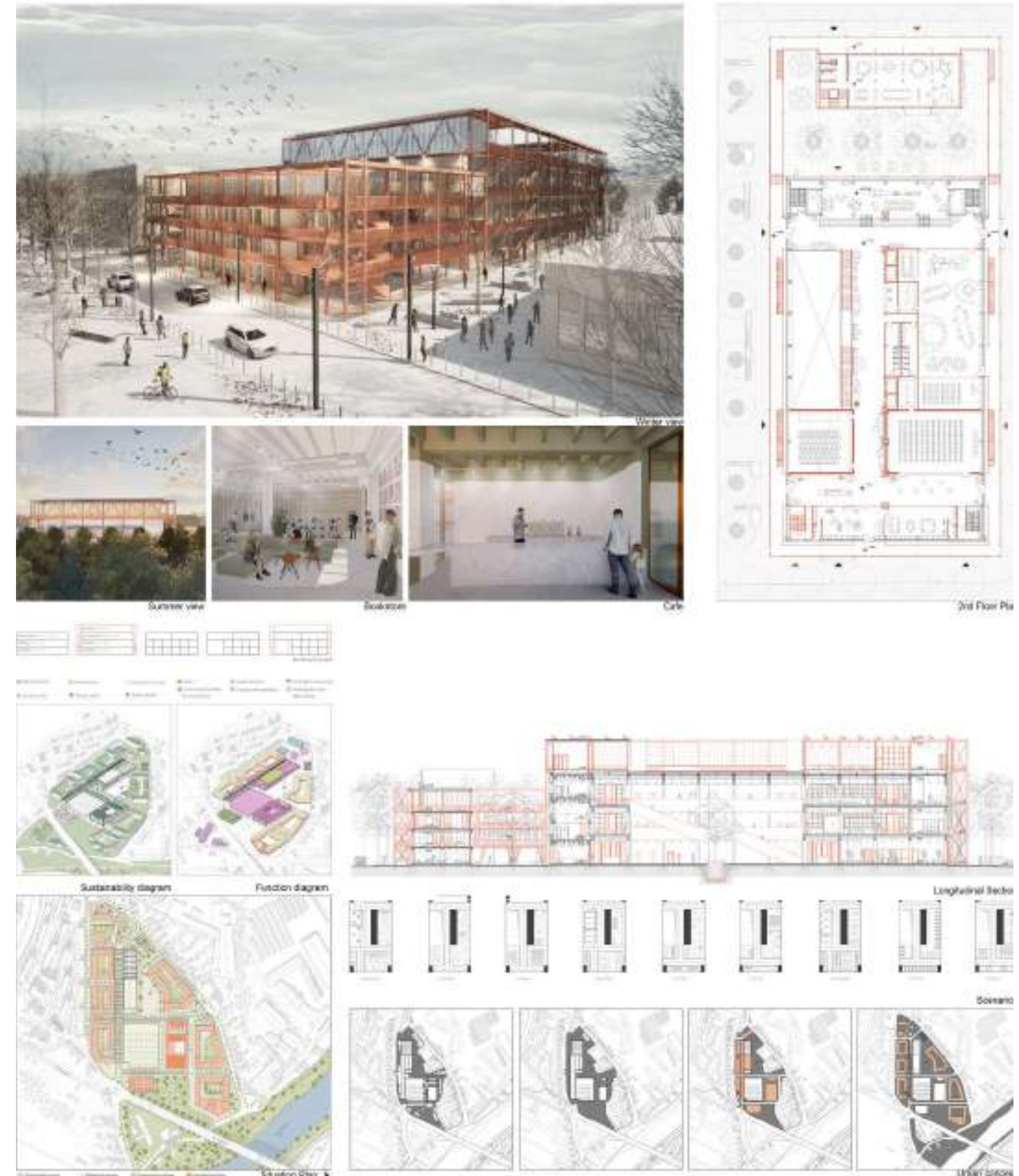
University Center for Students and Young People

35 Voinicilor Street, Târgu Mureș

Student: Ioana-Ancuța Ungur

Tutor: Octav Silviu Olănescu

Engineering consultant: Petru Rus



Faculty of Architecture
and Urban Planning Cluj



International Scout Center

Lunca Gării, Cristian, Brașov

Student:

Mihai URDA

Supervisor:

Lect. Daniel ȘERBAN, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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International Scout Center

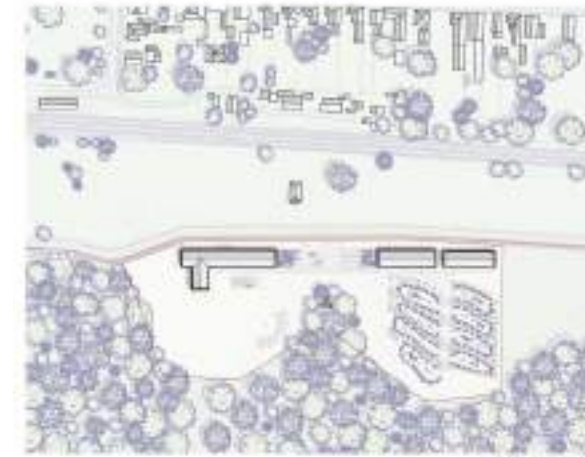
Project location: Lunca Gării, Cristian, Brașov

Mihai Urda

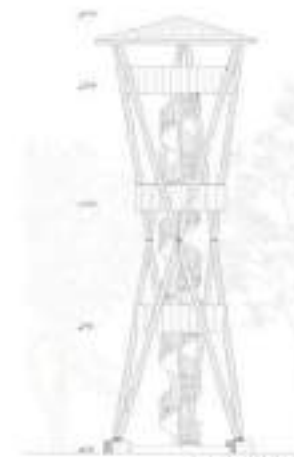
Tutor: arh. Daniel Șerban

Engineering consultant: ing. Petru Rus

The proposed architectural program aims to create a vibrant space inspired by the values of the Scout Method, integrating a youth center in the form of a Scout center and a camping area with accommodation facilities. Drawing from international examples like the Kandersteg International Scout Center in Switzerland and the Girl Scout Camp Lakota in Praeger Park, United States, the design combines modernity with tradition, offering flexible spaces for a variety of activities. Open areas facilitate outdoor workshops and non-formal training sessions, while the modular design encourages adaptability, allowing spaces to be reconfigured to meet the diverse needs of young people. Communal areas foster social interaction and relationship-building, reflecting the core values of the Scout Method. The youth center will house the Scouts Local Center, an after-school area serving the local community, creative workshop spaces, and administrative areas. The camping and accommodation zones are designed to support year-round Scout activities, with a maximum capacity of 800 participants in the summer. Additionally, 100 permanent beds are provided to accommodate residents during winter events or school camps. The center also includes a dining area with a kitchen, a vegetable and medicinal plant garden, and an orchard.



Proposal site plan



Observatory deck



Model image



Inner courtyard perspective



Amphitheater and observatory deck perspective



Longitudinal section



North facade



Seasonal perspectives

Faculty of Architecture and
Urban Planning Cluj-Napoca



Pole of care and therapy for children with autism spectrum disorder

Lunca Gării, Cristian,
Braşov

Student:

Liana-Gina-Carina VAIDA

Supervisor:

Silviu BORŞ, Ph.D.

Engineering consultant:

Assoc. Prof. Imola KIRIZSAN, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

Pole of care and therapy for children with autism spectrum disorders

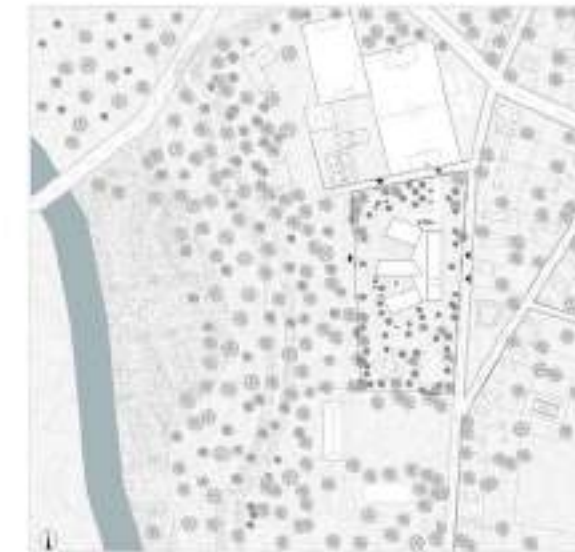
General street, nr. 468, Cluj-Napoca, Cluj, România

Liana-Gina-Carina Vaida

Tutor: prof. dr. arh. Silviu-Claudiu Borş

Engineering consultant: assoc. prof. engr. Imola Kirizsan, phd

The center, situated in Jucu de Sus, Cluj-Napoca, is a special building designed to support children with autism. The building has a peaceful, welcoming atmosphere with soft colors like light blue, green, and yellow on the walls. Its design focuses on creating a safe and comfortable environment for kids who may be sensitive to noise, light, or other sensory experiences. Inside, the center has large, open rooms with plenty of natural light filtering through wide windows. The floors are soft and sound-absorbing, helping reduce echoes and loud noises. Each room has quiet nooks filled with soft furniture like bean bags and pillows, where children can relax if they need a break. There are special sensory rooms that have calming lights, textured walls, and soothing sounds to help children explore their senses in a controlled, comforting way. The building also includes play areas with equipment designed to help with balance and movement, like swings, small climbing walls, and soft mats. Outside, there is a quiet garden with lots of green plants, flowers, and gentle water features like small fountains. This garden is a space where children can explore nature safely, with paths and benches for relaxing and quiet time.



Pan de situație



Plan parter



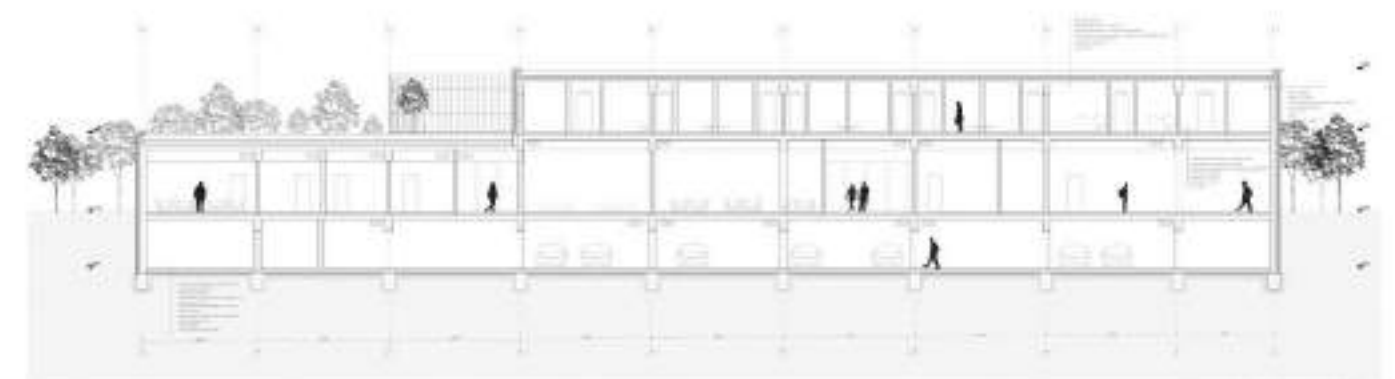
Perspectivă interioară sală de terapie de grup



Perspectivă exterioară curte



Fațadă est



Secțiune longitudinală

Faculty of Architecture and
Urban Planning Cluj-Napoca



... to the wall, freeze!

“Nicolae Titulescu” Secondary School Extension

Student:

Daciana-Briana VANCEA

Supervisor:

Alexandru FLEȘERIU, Ph.D.

Engineering consultant:

Lect. Radu HULEA, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

... to the wall, freeze!

“Nicolae Titulescu” Secondary School Extension

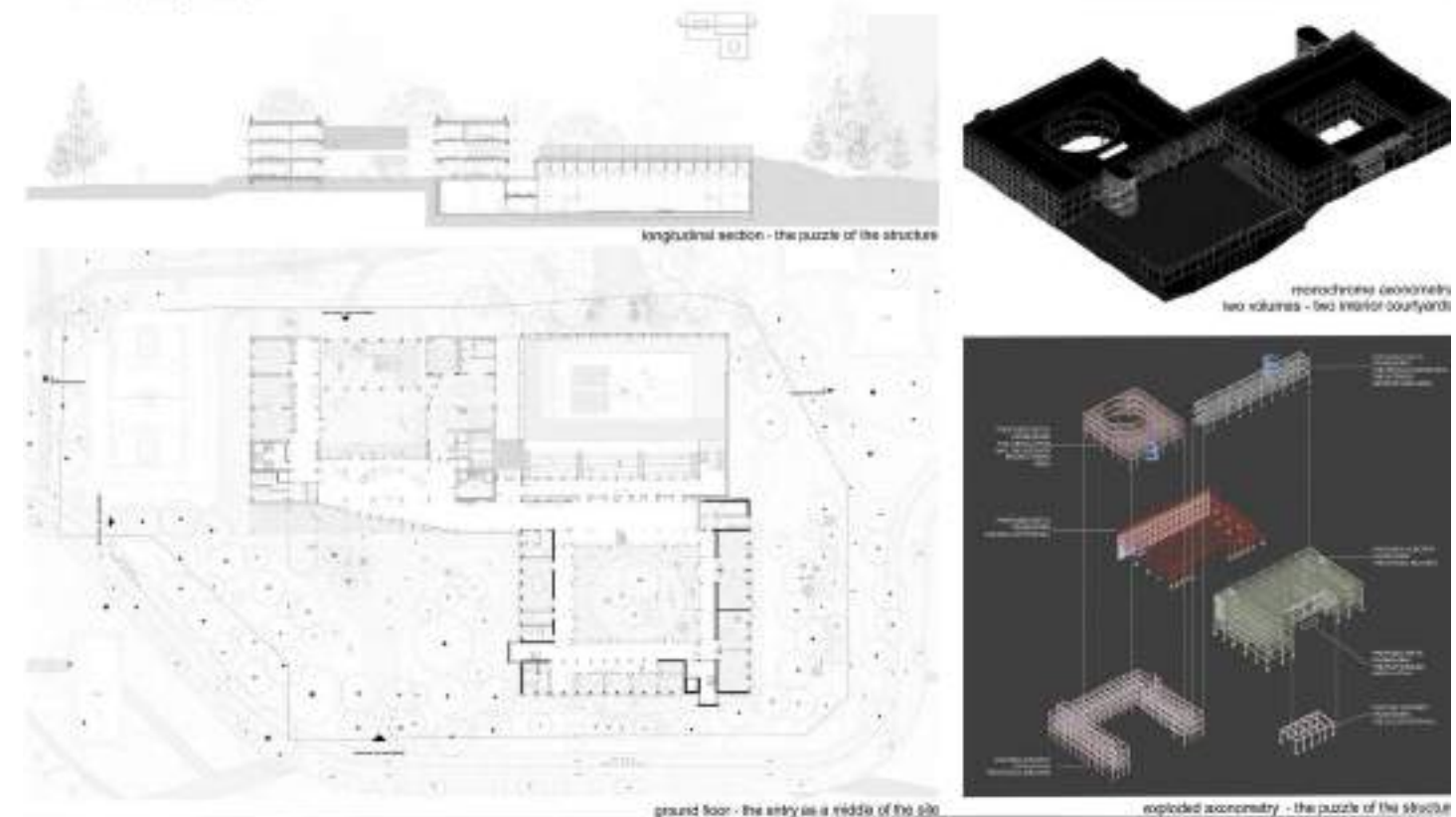
Aleea Herculane 7, Cluj-Napoca, Cluj, Romania

Daciana-Briana Vancea

Tutor: Alexandru Nicolae Fleșeriu

Engineering consultant: Radu Hulea

“Nicolae Titulescu” School extension proposal represents a puzzle of structures defined by their purpose. Starting from the theory that the school itself should be a playground, the project plays with the idea that the framework can and should create spaces that encourage children to play and to engage with one another. It tries to integrate the reinforced concrete frame structure of the existing buildings into a proposal where the main functions of the school are sheltered in new historic buildings, whereas the circulation and recreation areas find themselves creating spaces which are very open and quite flexible because of the light metal structures that they are made from. The solidity of the structure creates a context for play. The new building of the classrooms is slightly shifted on a diagonal to follow the pattern of the surroundings and also to create spaces with different size and functions: a sports ground, an artificial hill, a little “forest”, a mineral courtyard just like a plaza. By doing so, the school becomes its own realm, “a small city” as Aldo van Eyck would call it.



Social, educative and cultural center for teenagers Hunedoara

Student:

Delia Maria VOICA

Supervisor:

Assoc. Prof. Smaranda TODORAN, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Social, educative and cultural center for teenagers in Hunedoara

Republicii street 1, Hunedoara, HD, Romania

Delia Maria VOICA

Tutor: Prof. Smaranda TODORAN, PhD

Engineering consultant: D.Eng. Petru RUS

My motivation for this project stems from my personal experience as a teenager in a medium-sized town where I observed firsthand the issues that adolescents face: lack of motivation, lack of facilities for developing talents and passions, and lack of opportunities for healthy and productive leisure time activities. This program can appropriately meet the needs of the community and empower young people to find their passions and create bonds with their peers. My project will benefit young people aged 10-20 who need spaces for leisure, sports, and artistic activities, as well as workshops, career counseling, and psychological counseling that can help them in both their personal and professional futures. The project provides three components: The educational component focuses on future professions, digitalization, and artistic careers. The social component is encouraged through the building's design, which facilitates interactions among participants of different activities, and through the organization of activities based on a self-sustained model, where young people can gather informally and teach each other various skills. The cultural component includes the general population of Hunedoara and will manifest through a multifunctional hybridization space, as well as a performance hall. In addition to the building, the project proposes an urban space that contributes to the area's urban activation through terraces, urban sports, and special activities and events.



Faculty of Architecture and
Urban Planning Cluj-Napoca



Leisure and recovery spa center and the activation of the green corridor in the municipality of Cahul

Student:

Viorel ZBÎRCIOG

Supervisor:

T.Asist. Alice OPRICĂ, Ph.D.

Engineering consultant:

Lect. Petru RUS, Ph.D.

Faculty of Architecture and Urban Planning Cluj-Napoca

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Leisure and recovery spa center and the activation of the green corridor in the municipality of Cahul

The site is located at Alexandru Mateevici Street, nr. 106, at the intersection with Plugariilor Street

Viorel ZBÎRCIOG

Tutor: As.Dr.Arht. Alice OPRICĂ

Engineering consultant: SLDrlng. Petru RUS

The project aims to capitalize on the natural potential of the city of Cahul by activating the green corridor and proposing a spa and leisure center that will serve as an activator for the vicinity. The main goal of the initiative is to improve the quality of life for residents and to revitalize natural resources to attract tourist flows and expand health tourism. The project aims to harmoniously integrate the spa center into the urban context of the area near the Danube Delta, both through the proposed volumetry and the building concept. The building's location is planned near the eastern side of the existing urbanization, maintaining a generous distance from the residential area. This allows for a natural transition between the existing urban building and the new leisure facilities, respecting the privacy and comfort of the residents. The volumetric approach that divides the building into several levels with different functions allows for these distributions in a way that maximizes the use of space and adapts to the local logic. The green corridor acts as a link between the main bodies of the building and activates the integration of the natural setting within the building, significantly contributing to the landscape of the spa center, providing numerous recreational spaces after the procedure. The project integrates the green space as a landscape element in the composition, becoming part of a very important part of the overall image of the center, being situated in a rich natural context. The center must subordinate itself to the green space to stand out harmoniously within the surrounding landscape.



Faculty of Architecture and
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