I. IDENTIFIKAČNÍ ÚDAJE

Název práce:	**Nirvahana – An of the grid and integrated communal living**
Jméno autora:	**Akshata Bhimsen Vadvadgi**
Typ práce:	diplomová
Fakulta/ústav:	Fakulta architektury (FA)
Katedra/ústav:	Architecture and Urbanism
Oponent práce:	Ing. Jan Tilinger, Ph.D.
Pracoviště oponenta práce:	FSv ČVUT

II. HODNOCENÍ JEDNOTLIVÝCH KRITÉRIÍ

Zadání	**náročnější**

Hodnocení náročnosti zadání závěrečné práce.

Student focused on the very actual situation of Bangalore housing. The aim was to solve the whole area in its complexity. It is one of many places where the population is rapidly growing but not the housing opportunities. Creating affordable and green solutions is the actual task today and its more urgent every year. To create affordable modern, ecological, and comfortable housing in overpopulated areas is a task still to be solved. This task is not the only architectural problem but it needs the understanding and cooperation of many other disciplines.

Splnění zadání	**splněno s menšími výhradami**

Posuďte, zda předložená závěrečná práce splňuje zadání. V komentáři případně uveďte body zadání, které nebyly zcela splněny, nebo zda je práce oproti zadání rozšířena.

The thesis is focused on providing social, green, and community-making neighborhood that would provide sustainable housing, not only for current inhabitants but also for new migrants coming to Bangalore who need to find decent housing.

The student is providing 24 typologies of houses. From 30 sq m residential to 810 commercial spaces. There is a missing comparative analysis of nowadays density of inhabitants. We do not see any calculation and placement of a large number of cars. It's not possible to understand whether the proposed design manages to offer enough living space to both nowadays needs and to the potential growth of inhabitants. It is hard to see how much more effective we will be facing the need of new housing shortly. However, the student did her analysis and proposed solution based on received data.

Zvolený postup řešení	**částečně vhodný**

Posuďte, zda student zvolil správný postup nebo metody řešení.

The student is analyzing different types of shelters from kuccha, semi pucca, to different sizes of puccas and introducing new types of construction. Analyzing all areas of resettlement, from vegetation, communication, population density, green places, income groups, and topography. But within the analysis, there is still missing a large number of data from the area, meteorological, demographic, transportation, income groups, actual density, and expected improvement. At the beginning of the work, we know how much the pucchas and kucchas cost but we do not know what is expected cost of the final solution neither what would-be the goal.

Odborná úroveň	**C - dobře**

Posuďte úroveň odbornosti závěrečné práce, využití znalostí získaných studiem a z odborné literatury, využití podkladů. Posuďte též schopnost studenta vnímat řešenou problematiku v širších souvislostech a aplikovat inženýrský přístup při řešení

Student mentioned living conditions, types of materials, and the fact of a growing number of population. The isolated houses surrounded by nature looks so tempting for anyone, moreover for people living in kuccha, but it seems rather impossible to be economically justifiable from what we can see on visualizations. From visualizations, it seems student has very little knowledge about the mechanics of materials.

In the restaurant, it is missing any staff area, toilets, cloakroom, and shower. A single car garage is also rather less effective than larger parking houses.

Formální a jazyková úroveň, srozumitelnost práce	**C - dobře**

Posuďte správnost používání formálních zápisů obsažených v práci. Posuďte typografickou a jazykovou stránku práce a její celkovou srozumitelnost

The thesis is written understandably. There is missing page numbering in content. Most of the pictures used are made by the student herself and are simple to understand. Visualizations are interesting but in some corners seems like missing support beam or doorway (i.e. page 31, 33)

Výběr zdrojů, korektnost citací	**D - uspokojivě**

Vyjádřete se k aktivitě studenta při získávání a využívání studijních materiálů k řešení závěrečné práce. Posuďte výběr pramenů. Ověřte, zda nedošlo k porušení citační etiky a zda jsou bibliografické citace úplné a v souladu s citačními zvyklostmi.

All sources are online and there are missing dates when the pages were listed. Also, some pictures are not correctly listed. The bibliography doesn't fully meet ISO norms.

Další komentáře a hodnocení

The design proposed in visualizations seems rather complicated to build and requires complicated static calculation and highly qualified labor. It can resolute to higher prices and affordability.

III. CELKOVÉ HODNOCENÍ, OTÁZKY K OBHAJOBĚ, NÁVRH KLASIFIKACE

Shrňte aspekty závěrečné práce, které nejvíce ovlivnily Vaše celkové hodnocení. Uveďte případné otázky, které by měl student zodpovědět při obhajobě závěrečné práce před komisí.

The student took a difficult task to solve the very actual situation, but sooner or later it needs a solution. The area densely inhabited needs changes and to create more accurate visions, it needs some stronger effort to dig in the data. Student did basic analysis but for such a project we would need to know much more data from different areas. Not only houses, cafés, offices, and restaurants, but places for sport, schools, kindergartens…
It all needs much more analysis of material possibilities, building techniques potential, the actual amount of people living in the area, and what are the expectations. The student created a thesis with a vision of nice cars parked around solitaire houses in a green garden. The houses presented in the thesis located in the park are a luxury and it is far from any possible reality of resettling overpopulated area.

Questions:
1) How much more effective in accommodating people is your design?
2) Where would be parked all other cars, if we have 3 parking places per unit, no parking outside of restaurants, shopping malls or cafés, is there some common parking area for all?
3) Can you name any sufficient reconstruction of any similar area with successful community making, affordable green, and multiplying the amount of living space?

Předloženou závěrečnou práci hodnotím klasifikačním stupněm **D - uspokojivě.**

Datum: 6.9.2020   Podpis: