AN-Najah National University
Faculty of Engineering and Information Technology
Urban Planning Engineering Department

Graduation Project
"Planning of Student Housing /
AN-Najah National University"

Done by: Sujood Batta
Presented to: Dr. Ali Abd-Alhameed
Dr. Zahra’a Zawawi
It is residential complex where there are reasons for rest, tranquility and academic atmosphere, where the student lives and combines the family and the hotel, but it differs from the nature of its members and nature service.
Until now there is no specific experience related to student housing complex as the existing housing is implemented and controlled by the private sector not the university.
Distinguished student housing provides comfort for students and meets their different needs.
Classification of students in An-Najah University by place of residence (at the governorate level)
Location of Universities in Nablus

Legend
- Nablus boundary
- Najah_University
- Open_Quds_University
- Hisham Hijawi College

World Street Map
1:30,000
Site Selection
CRITERIA

1. The topography
2. Far from wadis
3. Far from high agricultural value
4. Near to University
5. Empty parcels
6. Proximity to the main road
7. Infrastructure availability
8. Easy access
9. Security
10. The area of the site $\geq 100$
The Topography of Nablus

City

Legend

- Nablus boundary

Topography

Elevation

- 852.222 - 915
- 789.444 - 852.222
- 726.667 - 789.444
- 663.889 - 726.667
- 601.111 - 663.889
- 538.333 - 601.111
- 475.556 - 538.333
- 412.778 - 475.556
- 350 - 412.778

1:30,000
Site analysis
Topography
Type of soil in the study area is clay loam (rocky soil) which is good in terms of resistance and can be built directly.
Land Use according to master plan of Nablus city (2013)
The relationship between the Site and (city center, old campus)

The distance from the site to the city center is 2km and the distance from the site to the old campus is 1 km.
The Concept and Design
### The project program and areas

The housing designed on 109 Acres for 1500 student

- Girls (65%) : 975
- Boys (35%) : 525

<table>
<thead>
<tr>
<th>Zons</th>
<th>Total Area (m^2)</th>
<th>% from the site</th>
<th>Girl housing</th>
<th>Boy Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential Area</td>
<td>61871.9040</td>
<td>56%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Area (m^2)</td>
<td>% from zons</td>
</tr>
<tr>
<td></td>
<td>35383.7981</td>
<td>57%</td>
<td>33%</td>
<td>26488.1059</td>
</tr>
<tr>
<td>Service Area</td>
<td>24652.7374</td>
<td>18%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Main Administrative</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Area (m^2)</td>
<td>% from zons</td>
</tr>
<tr>
<td></td>
<td>9273.6251</td>
<td>37%</td>
<td>.2%</td>
<td>15379.1123</td>
</tr>
<tr>
<td>Street network</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>22475</td>
<td>26%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The project concept
Street network
The Circulation in the site

1:7000
The Number of Floor
## Total area of unit

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of unit</th>
<th>Number of Floor</th>
<th>Number of Apartment/Area(m^2)</th>
<th>Number of Student in apartment</th>
<th>Area(m^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>8</td>
<td>4 - 6</td>
<td>4 95 m^2</td>
<td>3</td>
<td>1299</td>
</tr>
<tr>
<td>Public</td>
<td>2</td>
<td>3</td>
<td>-</td>
<td>430</td>
<td></td>
</tr>
<tr>
<td>Mall</td>
<td>1</td>
<td>2 - 3</td>
<td>-</td>
<td>1477</td>
<td></td>
</tr>
<tr>
<td>Multipurpose</td>
<td>4</td>
<td>2 - 1</td>
<td>-</td>
<td>315</td>
<td></td>
</tr>
<tr>
<td>Road</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>22475</td>
<td></td>
</tr>
<tr>
<td>Parking</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>730</td>
<td></td>
</tr>
<tr>
<td>Sport</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4343</td>
<td></td>
</tr>
<tr>
<td>Green Area</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1605</td>
<td></td>
</tr>
</tbody>
</table>

**Diagram:**
- Student Housing
- Administration
- Mall
- Multipurpose
The Number of Floor
The Masterplan map
The Masterplan map

1:3000
The Master plan map

1:3000