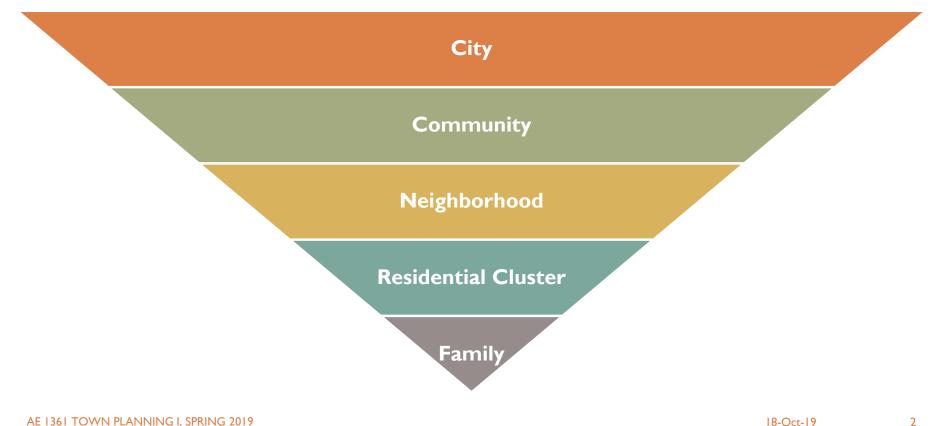
TOWN PLANNING I

DR. SAMEIR M. HAMMAD

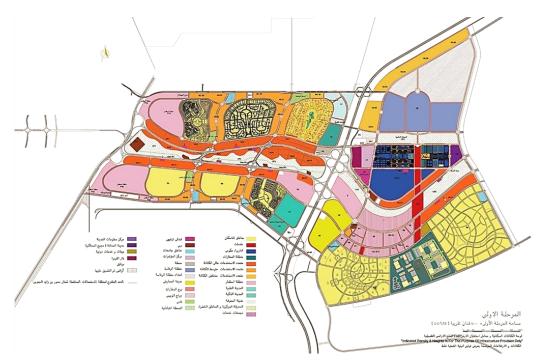
ASSISTANT PROFESSOR, ARCHITECTURAL ENGINEERING DEPARTMENT, BENHA FACULTY OF ENGINEERING

CITY STRUCTURE

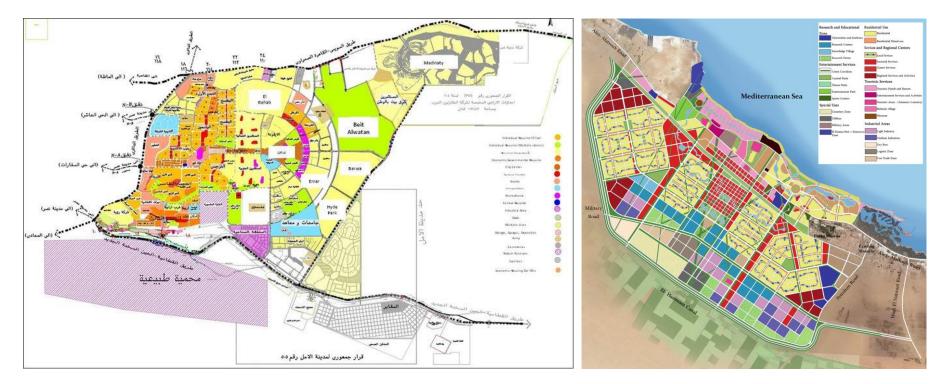


CITY MAIN COMPONENTS

- Central Area.
- Homogeneous Areas.
- Special Areas.
- Circulation Areas.



CITY MAIN COMPONENTS



New Cairo City Map

New Alamein City

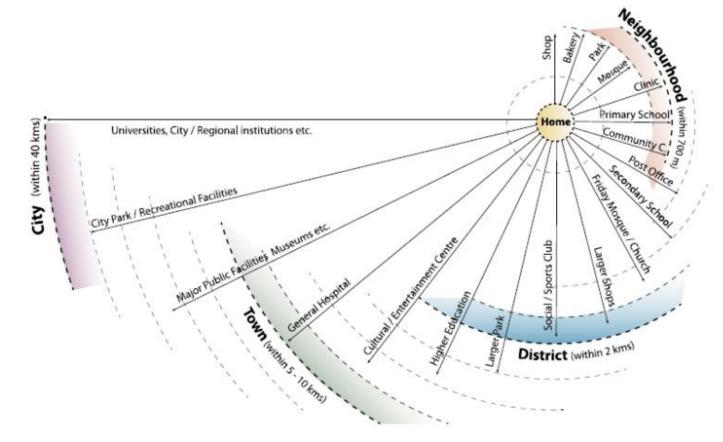
CENTRALAREA

Visiting Rate	Walking Distance	Economic Feasibility	Target Population
Daily/Weekly	Short 500-800 m	Small 500 p.	General
Yearly/ Limited Times	Long More than 3 km	Large 500000 p.	Specific

CENTRALAREA

Services	Neighborhood	Community	City		
Commercial	Kiosks/ Shops	Super market	Mall/ Hyper market		
Educational	Elementary school	High school	University		
Health		Clinic	Specialized Hospital		
Administration		Post Office/ Police Station	Government Offices		
Cultural		Library	Opera house/ Culture center		
Social		Social services	Orphanage		
Religious	Mosque	Mosque	Islamic Center/ Church		
Entertainment	Play ground	Sport Club	Stadium Club		

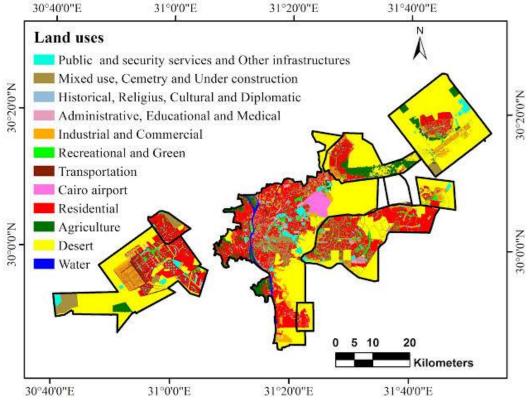
CENTRAL AREA



LAND USE PLANNING

Land use definition:

 Assigning specific area(s) for each activity in city.



LAND USE PLANNING



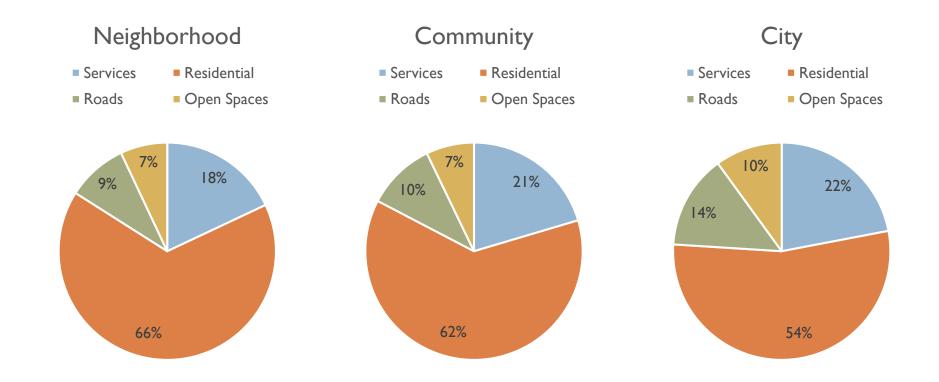
Consultative process were used to develop this land use map of a neighborhood in Manshiyet Nasser (source: GIZ)

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CITY CALCULATIONS .. LAND USE BUDGET

Land Use	Rate (m²/ person)	No. of Users	Total Area (m²)	Total Area (Feddan)	Percentage (%)
Commercial	1.4	5000	7000	1.66	22.5
Educational	4	800	3200	0.76	10.3
Administration	0.05	5000	250	0.06	0.9
Religious	0.2	3000	600	0.14	1.9
Entertainment	4	5000	20000	4.76	64.4
Total Cell Area			31050	7.39	100

CITY CALCULATIONS .. LAND USE BUDGET



CITY CALCULATIONS .. LAND USE BUDGET

2	🔅 Laı	nd I	Bud	lget					قريۃ شلقان
	DISTR SERVICE EDUCATION HEALTH COMMERCIAL CULTURAL SOCIAL RELIGIOUS ADMINST. ENTERT. TOTAL ARE/ 1.2.5 FEDO	PER PERSON 1.42 0.12 0.32 0.17 0.01 0.13 0.08 0.42	28676 2424 6464 3636 204 2020 1616 8484	0.6 1.6 0.9 0.04 0.5 0.04 2	NEIG Service Education Health Commercia Religious Total Are Service ci 3.24 Fedu	2.13 0.24 0.27 0.13 A OF NE	AREA (M2) 10752 1212 1363 656	AREA (FEDDAN) 2.56 0.24 0.32 0.12	AREA OF VACANT LANDS= 1.77 FEDDAN AREA OF AGRIGULTURAL PODKETS= 21.6 FEDDAN AREA OF LAND NEEDED FOR THE TARGET VEAR 2022= 25.8 FEDDAN TOTAL AREA OF ADDED VACANT LANDS= 1.77+21.6+25.8= 49.2 FEDDAN AREA OF ROADS TO BE CREATED= 49.2X 20/100= 9.8 FEDDAN AREA OF SERVICES TO BE CREATED= 12.5 FEDDAN REMAINING LANDS FOR RESIDEN- TIAL USE= 26.9 FEDDAN
اسلام احود عبد الرحمن معتر ابراميم عبد الحليم محمد احمد الشريف معتر عادل المامي محمود عبد الرعوف محمد نادر روضان فريد	مقدم من:-		أمـيــــن البرملجي	اً.د. محمد ال ا.د. احـهـد د. إنجـــي د. مــهـد	طارق عبد اللطيف ســــامي صــبري ســحــر عطـية ســوســـن بـكــر	3.1 3.1	• مقدم ال		

THANK YOU

NEXT LECTURE: RESEARCH AND ANALYSIS FOR URBAN PLANNING

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18-Oct-19