

# UPDATING KFUPM MASTER PLAN FOR 2020

## PROPOSED DRAFT COMPONENTS



**Master Plan Committee  
2003-2004**

S. NO	PROPOSED COMPONENTS	PROPOSED DURATION & METHODOLOGY	ASSIGNED TO
I	UNIVERSITY PROFILE	6 – 8 Weeks	
	1.1 Introduction	<ul style="list-style-type: none"> <li>Review the Existing Documents.</li> <li>Understand the existing conditions of the University.</li> <li>Analyze criticisms, feedback from University.</li> <li>Feedback from University Strategic Plan.</li> <li>Future projections of student population.</li> </ul>	Mother Committee
	1.2 History		
	1.3 University Today		
	1.4 Mission Statement		
	1.5 Statement of Goals		
	1.6 Identification of University Property		
	1.7 University in 2020		
	1.8 Enrollment Profile		
II	PREPARATION OF BASEMAP	4 – 6 Weeks	
	2.1 Collection of Updated Information.	<ul style="list-style-type: none"> <li>Preparation of digital as built drawings with exact delineation of boundaries.</li> </ul>	Sub-Committee
	2.2 Preparation of GIS-Based Maps		
III	PURPOSE & METHODOLOGY	10 - 12 Weeks	
	3.1 Purpose of Master Planning	<ul style="list-style-type: none"> <li>Formation of Sub-Committees</li> <li>Formation of Advisory Teams</li> <li>Formation of Task Forces</li> <li>Formation of Focus Groups</li> <li>Campus Community Involvement.</li> </ul>	Mother Committee
	3.2 Methodology of Master Planning		

IV	DATA COLLECTION	8-12 Weeks	
		<ul style="list-style-type: none"> <li>• Conducting Workshops and Symposiums.</li> <li>• Conducting Campus Interviews.</li> <li>• On-Campus Community Surveys.</li> <li>• Internet based surveys.</li> <li>• Preparation of Zoning Maps.</li> <li>• Preparation of maps and update</li> </ul>	Mother Committee
V	ANALYSIS OF EXISTING CAMPUS	16 – 20 Weeks	
	<b>4.1 Campus &amp; Environs Analysis</b>	<ul style="list-style-type: none"> <li>• Review previous studies and published resources.</li> <li>• Inputs from Projects and Maintenance department and existing committees.</li> <li>• Conduct Site Surveys.</li> <li>• Preparation of Maps of all the existing conditions of the campus.</li> <li>• Identification of currently ongoing construction projects, approved projects, future potential building sites.</li> <li>• Produce a detailed document about the analysis of existing conditions.</li> <li>• Identify Short term and Long-Term Projects.</li> <li>• Explore Housing Issues.</li> </ul>	Sub-Committee # 1 Sub-Committee # 2 Sub-Committee # 3
	4.1.1 Context/Environs		
	4.1.2 University Property		
	4.1.3 Topography		
	<b>4.2 Demographics</b>		
	4.2.1 Residential On-Campus Faculty & Staff		
	4.2.2 Students On-Campus		
	4.2.3 Students Off-Campus		
	4.2.4 Staff Off-Campus		
	4.2.5 Academic		

	<b>4.3 Land use</b>		
	4.3.1 Existing Campus Zones		
	4.3.2 Building Sites Under-Construction		
	4.3.3 Approved Building Sites		
	4.3.4 Potential Building Sites		
	4.3.5 Landscapes & Open Spaces		
	4.3.6 Academic Buildings		
	4.3.7 Residential Areas		
	4.3.8 Recreation Areas		
	4.3.9 Medical Facilities		
	4.3.10 Research Buildings		
	<b>4.4 Utility Infrastructure</b>		
	4.4.1 Water		
	4.4.2 Sanitary		
	4.4.3 Natural Gas		
	4.4.4 Electrical		
	4.4.5 Storm water		
	4.4.6 Telecommunications		
	<b>4.5 Transportation &amp; Parking</b>		
	4.5.1 Access and Vehicular Circulation		
	4.5.2 Parking Conditions		
	4.5.3 Pedestrian Circulation		

V	STRATEGIC PLAN	12 - 24 Weeks	
	5.1 Background	<ul style="list-style-type: none"> <li>• Feedback from Strategic Plan of KFUPM, to provide input for development of physical plan of KFUPM.</li> <li>• Infrastructure Requirements of the university.</li> <li>• Interviews, workshops, questionnaires etc to the campus residents and staff.</li> </ul>	Mother Committee's Coordination with Strategic Planning Committee
	5.2 Mission Statement		
	5.3 Enrollment Profile		
	5.4 Existing Space		
	5.5 Demographics		
	5.6 Space Needs Assessment		
	5.7 Faculty and Staff Projections		
	5.8 Analysis of Data		
	5.9 IT Impact		
	6.0 Maximum Allowable Capacity		
	5.9 Future Academic Programs		
VI	PHYSICAL MASTER PLAN	20 - 30 Weeks	
	6.1 Campus Update Issues	<ul style="list-style-type: none"> <li>• Identify the future developments in terms of new academic and residential buildings, recreation, landscape etc., in the form of both written documents and drawings.</li> <li>• Highlight the future direction for KFUPM.</li> </ul>	Mother Committee Sub-Committee # 1 Sub-Committee # 2 Sub-Committee # 3
	6.2 Site Context		
	6.3 Proposed Land Use		
	6.4 Transportation & Parking		
	6.5 Landscape & Open Space		
	6.6 Pedestrian Circulation		
	6.7 Vehicular Circulation and Parking		
	6.8 Recreation Facilities		
	6.9 Utility Infrastructure		

<b>VII</b>	<b>PLAN IMPLEMENTATION</b>	<b>4 – 6 Weeks</b>	
	7.1 Review of the Master Plan	<ul style="list-style-type: none"> <li>Formation of a committee to regularly update the master plan to keep it most updated for future growth of the campus.</li> </ul>	Mother Committee
	7.2 Update of the Master Plan		
	7.3 Development Phasing Strategy		
	7.4 Campus Master Plan Update Strategy		
<b>VIII</b>	<b>BUDGET CONTROL</b>	<b>4 Weeks</b>	
			Sub-Committee # 4
<b>IX</b>	<b>DEVELOPMENT CONTROL GUIDELINES</b>	<b>8 Weeks</b>	
	9.1 Guidelines for Built Spaces	<ul style="list-style-type: none"> <li>Preparation of the document containing the guidelines for master planning.</li> </ul>	Mother Committee Sub-Committee #
	9.2 Landscape Design Guidelines		
	9.3 Architectural Design Guidelines		
	9.4 Building Use Guidelines		
	9.5 Transportation & Parking Guidelines		
	9.6 Utility Infrastructure		
<b>X</b>	<b>PREPARATION OF DELIVERABLES</b>	<b>16- 24 Weeks</b>	
	10.1 Final Report	<ul style="list-style-type: none"> <li>Bound Copies of the Document</li> <li>Maps of varying sizes.</li> <li>CD-ROMs.</li> <li>Presentation to the University.</li> <li>Online Information.</li> </ul>	Mother Committee Sub-Committee #
	10.2 Maps of Physical Master Plan		
	10.3 Final PowerPoint Presentation		
	10.4 Preparation of Interactive Master Plan.		